

# CA-CAX

~ 3500 rpm

# 4CA-4CAX

~ 1750 rpm



CA-4CA



CAX-4CAX



## Centrifugal Flanged EN 733

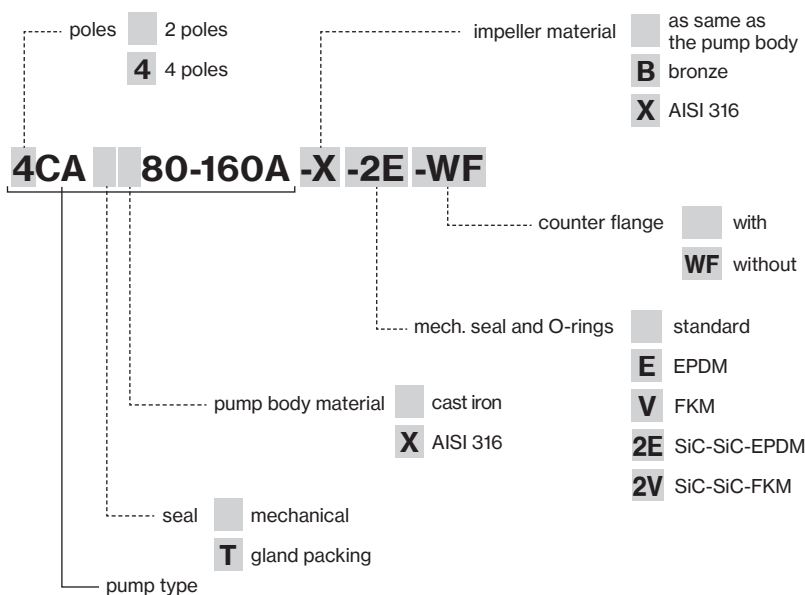
Bare shaft centrifugal pumps constructed in compliance with EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems.

### Construction features

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| <b>Pump body</b>          | cast iron (CA);<br>stainless steel AISI 316 (CAX)                          |
| <b>Motor bracket</b>      | cast iron                                                                  |
| <b>Impeller</b>           | cast iron, bronze, steel (CA);<br>stainless steel AISI 316 (CAX)           |
| <b>Seal type</b>          | mechanical (CA-CAX) or gland<br>packing graphite impregnated<br>(CAT-CATX) |
| <b>Pump shaft end</b>     | stainless steel AISI 316                                                   |
| <b>Liquid temperature</b> | -10 ÷ +90 °C                                                               |
| <b>Operating pressure</b> | max 10 bar<br>max 14 bar (... -315 ~ 3500 rpm)                             |

### Motor

Available with IE3-IE4 efficiency class motor



# CA-CAX

~ 3500 rpm

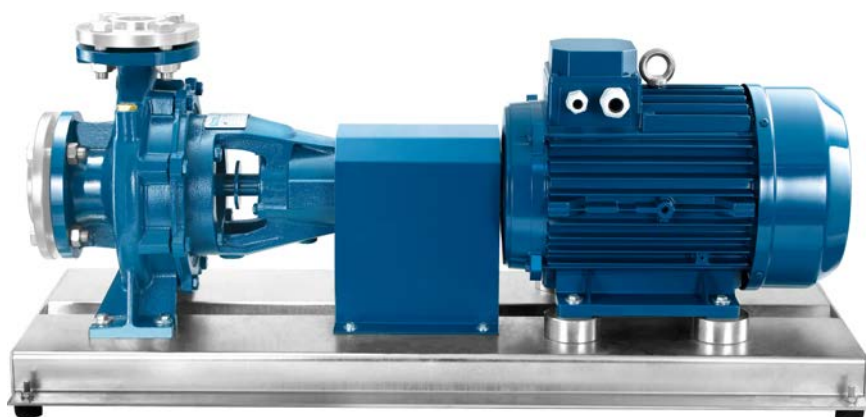
Centrifugal Flanged  
EN 733

# 4CA-4CAX

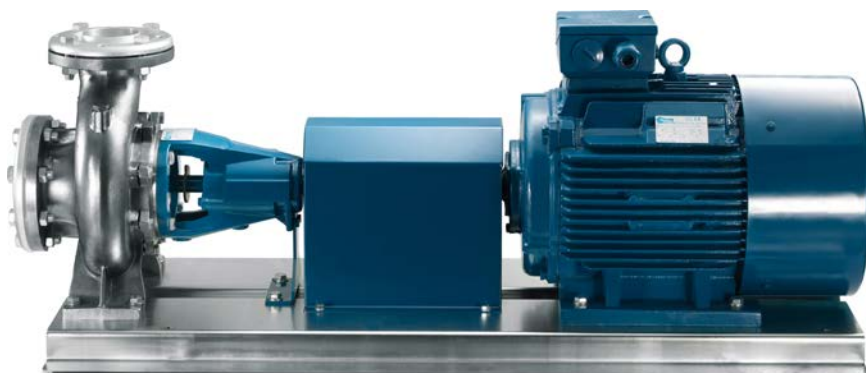
~ 1750 rpm

## Construction versions

The pumps can be fitted next to a motor on a common baseplate, with the pump shaft and the motor shaft connected by a flexible coupling.



**CA-4CA with motor**  
counterflanges supplied separately



**CAX-4CAX with motor**  
counterflanges supplied separately

## Shaft seals versions

The pumps can be provided on request with gland packing instead of mechanical seal.



**CA-CAX-4CA-4CAX**  
mechanical seal



**CAT-CATX-4CAT-4CATX**  
gland packing seal

# CM-CMG-CA-4CA

**Centrifugal Flanged  
EN 733**

**CM:** Front suction close-coupled centrifugal pumps with close impeller mounted on IE3 motor shaft extension. Pump casing with axial suction and radial delivery on top, main dimensions and performance according to EN 733.

**CMG-CMGX:** Front suction centrifugal pumps connected to IE3 standard motor (stub-shaft construction). Pump casing with axial suction and radial delivery on top, main dimensions and performance according to EN 733.

**CA-CAX-4CA-4CAX:** Single-stage end-suction centrifugal frame-mounted pumps.  
Dimensions in accordance with EN 733.

| TYPE     | 2 POLES |     |      |    |                 |           |             | 4 POLES     |               |           |            |
|----------|---------|-----|------|----|-----------------|-----------|-------------|-------------|---------------|-----------|------------|
|          | CM      | CMG | CMGX | CA | CAT<br>CAX CATX | Flow rate | Head        | 4CA<br>4CAT | 4CAX<br>4CATX | Flow rate | Head       |
|          |         |     |      |    |                 | m³/h      | m           |             |               | m³/h      | m          |
| 32-160C  | ■       | -   | -    | ■  | ■               | 6 ÷ 21    | 22,8 ÷ 14   | ■           | ■             | 1,5 ÷ 12  | 5,9 ÷ 2,6  |
| 32-160B  | ■       | -   | -    | ■  | ■               | 6 ÷ 24    | 27,7 ÷ 17   | ■           | ■             | 1,5 ÷ 12  | 7,2 ÷ 3,6  |
| 32-160A  | ■       | -   | -    | ■  | ■               | 6 ÷ 27    | 36,2 ÷ 22,1 | ■           | ■             | 1,5 ÷ 15  | 8,8 ÷ 4    |
| 32-200C  | ■       | -   | -    | ■  | ■               | 6 ÷ 27    | 40,3 ÷ 28,7 | ■           | ■             | 3 ÷ 18    | 10,8 ÷ 4,2 |
| 32-200B1 | ■       | -   | -    | -  | -               | 6 ÷ 27    | 48 ÷ 37,9   | -           | -             | -         | -          |
| 32-200B  | ■       | -   | -    | ■  | ■               | 6 ÷ 30    | 48 ÷ 35,4   | ■           | ■             | 3 ÷ 18    | 12,7 ÷ 6,3 |
| 32-200A1 | ■       | -   | -    | -  | -               | 6 ÷ 30    | 58,3 ÷ 46,6 | -           | -             | -         | -          |
| 32-200A  | ■       | -   | -    | ■  | ■               | 6 ÷ 33    | 58,3 ÷ 44,3 | ■           | ■             | 3 ÷ 21    | 15,7 ÷ 6,8 |
| 32-250C  | ■       | -   | -    | ■  | ■               | 6 ÷ 27    | 72 ÷ 61,3   | ■           | ■             | 3 ÷ 21    | 17,2 ÷ 6,5 |
| 32-250B  | ■       | -   | -    | ■  | ■               | 7,5 ÷ 27  | 84 ÷ 73,2   | ■           | ■             | 3 ÷ 21    | 20 ÷ 8,3   |
| 32-250A1 | ■       | -   | -    | -  | -               | 7,5 ÷ 27  | 93,6 ÷ 85,3 | -           | -             | -         | -          |
| 32-250A  | ■       | -   | -    | ■  | ■               | 7,5 ÷ 27  | 93,6 ÷ 85,5 | ■           | ■             | 3 ÷ 21    | 22,2 ÷ 9,1 |
| 40-125C  | ■       | -   | -    | ■  | ■               | 9 ÷ 36    | 18,5 ÷ 9,4  | ■           | ■             | 4,5 ÷ 21  | 4,4 ÷ 2    |
| 40-125B  | ■       | -   | -    | ■  | ■               | 9 ÷ 39    | 23,4 ÷ 13,2 | ■           | ■             | 4,5 ÷ 21  | 5,5 ÷ 3,3  |
| 40-125A  | ■       | -   | -    | ■  | ■               | 9 ÷ 42    | 27,6 ÷ 16,8 | ■           | ■             | 4,5 ÷ 24  | 6,3 ÷ 3,4  |
| 40-160B  | ■       | -   | -    | ■  | ■               | 9 ÷ 36    | 29,2 ÷ 20,5 | ■           | ■             | 4,5 ÷ 24  | 7,5 ÷ 2,5  |
| 40-160A  | ■       | -   | -    | ■  | ■               | 9 ÷ 42    | 34,9 ÷ 23,4 | ■           | ■             | 4,5 ÷ 24  | 8,9 ÷ 4,5  |
| 40-160AP | ■       | -   | -    | ■  | ■               | 9 ÷ 48    | 39,8 ÷ 25,3 | ■           | ■             | 4,5 ÷ 24  | 11,1 ÷ 6,8 |
| 40-200B1 | ■       | -   | -    | -  | -               | 9 ÷ 39    | 45,5 ÷ 32,3 | -           | -             | -         | -          |
| 40-200B  | ■       | -   | -    | ■  | ■               | 9 ÷ 42    | 45,5 ÷ 29,4 | ■           | ■             | 6 ÷ 24    | 11,4 ÷ 4,7 |
| 40-200A1 | ■       | -   | -    | -  | -               | 9 ÷ 39    | 56,5 ÷ 44,4 | -           | -             | -         | -          |
| 40-200A  | ■       | -   | -    | ■  | ■               | 9 ÷ 42    | 56,5 ÷ 41,6 | ■           | ■             | 6 ÷ 24    | 13,9 ÷ 8,3 |
| 40-200AP | ■       | -   | -    | ■  | ■               | 9 ÷ 45    | 61,4 ÷ 42,2 | ■           | ■             | 6 ÷ 24    | 14,9 ÷ 9,4 |
| 40-250C  | ■       | -   | -    | ■  | ■               | 9 ÷ 36    | 64,4 ÷ 55,4 | ■           | ■             | 9 ÷ 27    | 15,2 ÷ 6,6 |
| 40-250B  | ■       | -   | -    | ■  | ■               | 9 ÷ 39    | 79,9 ÷ 62,1 | ■           | ■             | 9 ÷ 30    | 18,2 ÷ 8,3 |
| 40-250A1 | ■       | -   | -    | -  | -               | 9 ÷ 42    | 84,6 ÷ 72,8 | -           | -             | -         | -          |
| 40-250A  | ■       | -   | -    | ■  | ■               | 9 ÷ 45    | 84,6 ÷ 69   | ■           | ■             | 9 ÷ 33    | 20,8 ÷ 8,4 |
| 40-250BM | ■       | -   | -    | ■  | ■               | 9 ÷ 54    | 93,2 ÷ 72   | -           | -             | -         | -          |
| 40-250AM | ■       | -   | -    | ■  | ■               | 9 ÷ 60    | 103 ÷ 77,5  | -           | -             | -         | -          |
| 50-125B  | ■       | -   | -    | ■  | ■               | 12 ÷ 72   | 20,6 ÷ 9,2  | ■           | ■             | 9 ÷ 42    | 5,5 ÷ 2,1  |
| 50-125A  | ■       | -   | -    | ■  | ■               | 12 ÷ 72   | 24,3 ÷ 14,2 | ■           | ■             | 9 ÷ 45    | 6,4 ÷ 2,9  |
| 50-160B1 | ■       | -   | -    | -  | -               | 21 ÷ 66   | 33,5 ÷ 21,5 | -           | -             | -         | -          |
| 50-160B  | ■       | -   | -    | ■  | ■               | 21 ÷ 72   | 33,5 ÷ 18,9 | ■           | ■             | 9 ÷ 42    | 8 ÷ 2,3    |
| 50-160A1 | ■       | -   | -    | -  | -               | 21 ÷ 72   | 39,8 ÷ 27,6 | -           | -             | -         | -          |
| 50-160A  | ■       | -   | -    | ■  | ■               | 21 ÷ 78   | 39,8 ÷ 25,4 | ■           | ■             | 9 ÷ 48    | 9,4 ÷ 3,1  |
| 50-200C  | ■       | -   | -    | ■  | ■               | 24 ÷ 72   | 49,7 ÷ 28,9 | ■           | ■             | 9 ÷ 39    | 12 ÷ 3,2   |
| 50-200B  | ■       | -   | -    | ■  | ■               | 24 ÷ 72   | 54,6 ÷ 35   | ■           | ■             | 10,5 ÷ 42 | 13,1 ÷ 4,2 |
| 50-200A1 | ■       | -   | -    | -  | -               | 24 ÷ 78   | 61,8 ÷ 39,8 | -           | -             | -         | -          |



| TYPE     | 2 POLES |     |      |    |                 |                   |               | 4 POLES     |               |                   |             |
|----------|---------|-----|------|----|-----------------|-------------------|---------------|-------------|---------------|-------------------|-------------|
|          | CM      | CMG | CMGX | CA | CAT<br>CAX CATX | Flow rate<br>m³/h | Head<br>m     | 4CA<br>4CAT | 4CAX<br>4CATX | Flow rate<br>m³/h | Head<br>m   |
|          |         |     |      |    |                 |                   |               |             |               |                   |             |
| 50-200A  | ■       | -   | -    | ■  | ■               | 24 ÷ 78           | 61,8 ÷ 39,8   | ■           | ■             | 10,5 ÷ 45         | 14,7 ÷ 4,6  |
| 50-250C1 | ■       | -   | -    | -  | -               | 27 ÷ 60           | 68,2 ÷ 56,2   | -           | -             | -                 | -           |
| 50-250C  | ■       | -   | -    | ■  | ■               | 27 ÷ 66           | 68,2 ÷ 52,1   | ■           | ■             | 12 ÷ 45           | 17,7 ÷ 7,5  |
| 50-250B  | ■       | -   | -    | ■  | ■               | 27 ÷ 72           | 78,4 ÷ 58,5   | ■           | ■             | 12 ÷ 48           | 20 ÷ 8,2    |
| 50-250A  | ■       | -   | -    | ■  | ■               | 27 ÷ 78           | 88,3 ÷ 61,8   | ■           | ■             | 12 ÷ 54           | 22,9 ÷ 8,4  |
| 50-315DN | -       | -   | -    | ■  | -               | 42 ÷ 132          | 90,4 ÷ 73,4   | -           | -             | -                 | -           |
| 50-315C  | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 18 ÷ 84           | 24,7 ÷ 16,8 |
| 50-315CN | -       | -   | -    | ■  | -               | 42 ÷ 132          | 105 ÷ 88,7    | -           | -             | -                 | -           |
| 50-315B  | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 18 - 90           | 31,4 - 21,6 |
| 50-315BN | -       | -   | -    | ■  | -               | 42 ÷ 144          | 124,3 ÷ 103,5 | -           | -             | -                 | -           |
| 50-315A  | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 18 - 96           | 37,2 - 25,1 |
| 50-315AN | -       | -   | -    | ■  | -               | 42 ÷ 144          | 146,9 ÷ 125,8 | -           | -             | -                 | -           |
| 65-125B1 | ■       | -   | -    | -  | -               | 30 ÷ 108          | 20,6 ÷ 15     | -           | -             | -                 | -           |
| 65-125B  | ■       | -   | -    | ■  | ■               | 30 ÷ 120          | 20,6 ÷ 13,1   | ■           | ■             | 18 ÷ 60           | 5,1 ÷ 2,8   |
| 65-125A1 | ■       | -   | -    | -  | -               | 30 ÷ 120          | 25,2 ÷ 18,8   | -           | -             | -                 | -           |
| 65-125A  | ■       | -   | -    | ■  | ■               | 30 ÷ 132          | 25,2 ÷ 16,8   | ■           | ■             | 18 ÷ 72           | 6,3 ÷ 3     |
| 65-160C  | ■       | -   | -    | ■  | ■               | 42 ÷ 144          | 30,6 ÷ 13,9   | ■           | ■             | 24 ÷ 78           | 7,6 ÷ 2,9   |
| 65-160B  | ■       | -   | -    | ■  | ■               | 42 ÷ 144          | 35,1 ÷ 20,4   | ■           | ■             | 24 ÷ 78           | 8,6 ÷ 3,6   |
| 65-160A1 | ■       | -   | -    | -  | -               | 42 ÷ 138          | 42,5 ÷ 31,7   | -           | -             | -                 | -           |
| 65-160A  | ■       | -   | -    | ■  | ■               | 42 ÷ 144          | 42,5 ÷ 30,9   | ■           | ■             | 24 ÷ 84           | 9,9 ÷ 4,6   |
| 65-200C1 | ■       | -   | -    | -  | -               | 54 ÷ 132          | 46,1 ÷ 28,9   | -           | -             | -                 | -           |
| 65-200C  | ■       | -   | -    | ■  | ■               | 54 ÷ 138          | 46,1 ÷ 26,8   | ■           | ■             | 27 ÷ 84           | 11,6 ÷ 5    |
| 65-200B  | ■       | -   | -    | ■  | ■               | 54 ÷ 144          | 53,9 ÷ 34,6   | ■           | ■             | 27 ÷ 84           | 13,1 ÷ 7    |
| 65-200A  | ■       | -   | -    | ■  | ■               | 54 ÷ 144          | 61,8 ÷ 44,4   | ■           | ■             | 27 ÷ 84           | 14,8 ÷ 9,3  |
| 65-250B  | ■       | -   | -    | ■  | ■               | 54 ÷ 144          | 80,6 ÷ 47,3   | ■           | ■             | 27 ÷ 84           | 21 ÷ 8,7    |
| 65-250A  | ■       | -   | -    | ■  | ■               | 54 ÷ 150          | 91,6 ÷ 57,9   | ■           | ■             | 30 ÷ 90           | 22,9 ÷ 8,8  |
| 65-315CM | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 27 ÷ 126          | 23,5 ÷ 13,9 |
| 65-315CN | -       | -   | -    | ■  | -               | 54 ÷ 180          | 96,5 ÷ 80,8   | -           | -             | -                 | -           |
| 65-315BM | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 27 ÷ 132          | 28,9 ÷ 17,2 |
| 65-315BN | -       | -   | -    | ■  | -               | 54 ÷ 195          | 117,9 ÷ 96,3  | -           | -             | -                 | -           |
| 65-315AM | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 27 ÷ 138          | 34 ÷ 18,2   |
| 65-315AN | -       | -   | -    | ■  | -               | 54 ÷ 210          | 138,8 ÷ 110,4 | -           | -             | -                 | -           |
| 80-160E  | ■       | -   | -    | ■  | ■               | 66 ÷ 168          | 22,9 ÷ 13,7   | ■           | ■             | 24 ÷ 96           | 5,7 ÷ 2,2   |
| 80-160D  | ■       | -   | -    | ■  | ■               | 66 ÷ 180          | 27,3 ÷ 16,4   | ■           | ■             | 27 ÷ 102          | 6,8 ÷ 2,6   |
| 80-160C1 | ■       | -   | -    | -  | -               | 66 ÷ 195          | 30,9 ÷ 18,4   | -           | -             | -                 | -           |
| 80-160C  | ■       | -   | -    | ■  | ■               | 66 ÷ 195          | 30,9 ÷ 18,4   | ■           | ■             | 30 ÷ 108          | 7,4 ÷ 3,1   |
| 80-160B  | ■       | -   | -    | ■  | ■               | 66 ÷ 210          | 35,9 ÷ 22     | ■           | ■             | 33 ÷ 120          | 8,9 ÷ 3,5   |
| 80-160A  | ■       | -   | -    | ■  | ■               | 66 ÷ 225          | 40,5 ÷ 23,9   | ■           | ■             | 36 ÷ 132          | 9,8 ÷ 3,8   |
| 80-200B  | ■       | -   | -    | ■  | ■               | 72 ÷ 225          | 54,5 ÷ 38,5   | ■           | ■             | 42 ÷ 132          | 13,1 ÷ 7,1  |
| 80-200A  | ■       | -   | -    | ■  | ■               | 72 ÷ 240          | 61,7 ÷ 43,9   | ■           | ■             | 42 ÷ 144          | 14,7 ÷ 7,5  |
| 80-250B  | -       | ■   | ■    | ■  | ■               | 96 ÷ 225          | 80 ÷ 58,8     | ■           | ■             | 42 ÷ 132          | 19,2 ÷ 11,1 |
| 80-250A  | -       | ■   | ■    | ■  | ■               | 96 ÷ 240          | 92,8 ÷ 65,2   | ■           | ■             | 42 ÷ 144          | 22,9 ÷ 12,6 |
| 80-315B  | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 42 ÷ 150          | 28,3 ÷ 19,9 |
| 80-315A  | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 42 ÷ 168          | 35 ÷ 23,7   |
| 100-160B | ■       | -   | -    | -  | -               | 96 ÷ 330          | 40,7 ÷ 25,7   | -           | -             | -                 | -           |
| 100-160A | ■       | -   | -    | -  | -               | 96 ÷ 330          | 45,1 ÷ 31,9   | -           | -             | -                 | -           |
| 100-200D | -       | -   | -    | ■  | ■               | 108 ÷ 300         | 43,1 ÷ 26,6   | ■           | ■             | 48 ÷ 168          | 10,8 ÷ 4,8  |
| 100-200C | -       | -   | -    | ■  | ■               | 108 ÷ 330         | 48,4 ÷ 28,1   | ■           | ■             | 48 ÷ 168          | 12 ÷ 6,3    |
| 100-200B | -       | ■   | ■    | ■  | ■               | 108 ÷ 330         | 56,8 ÷ 39,7   | ■           | ■             | 48 ÷ 180          | 13,6 ÷ 7,8  |
| 100-200A | -       | ■   | ■    | ■  | ■               | 108 ÷ 360         | 62,2 ÷ 42,5   | ■           | ■             | 48 ÷ 192          | 15,4 ÷ 9,1  |
| 100-250E | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 60 ÷ 180          | 16,9 ÷ 11,4 |
| 100-250D | -       | -   | -    | -  | -               | -                 | -             | ■           | ■             | 60 ÷ 192          | 19,6 ÷ 12,7 |
| 100-250C | -       | ■   | ■    | ■  | ■               | 120 ÷ 300         | 73,2 ÷ 61     | -           | -             | -                 | -           |
| 100-250B | -       | ■   | ■    | ■  | ■               | 120 ÷ 330         | 83,7 ÷ 67,6   | -           | -             | -                 | -           |

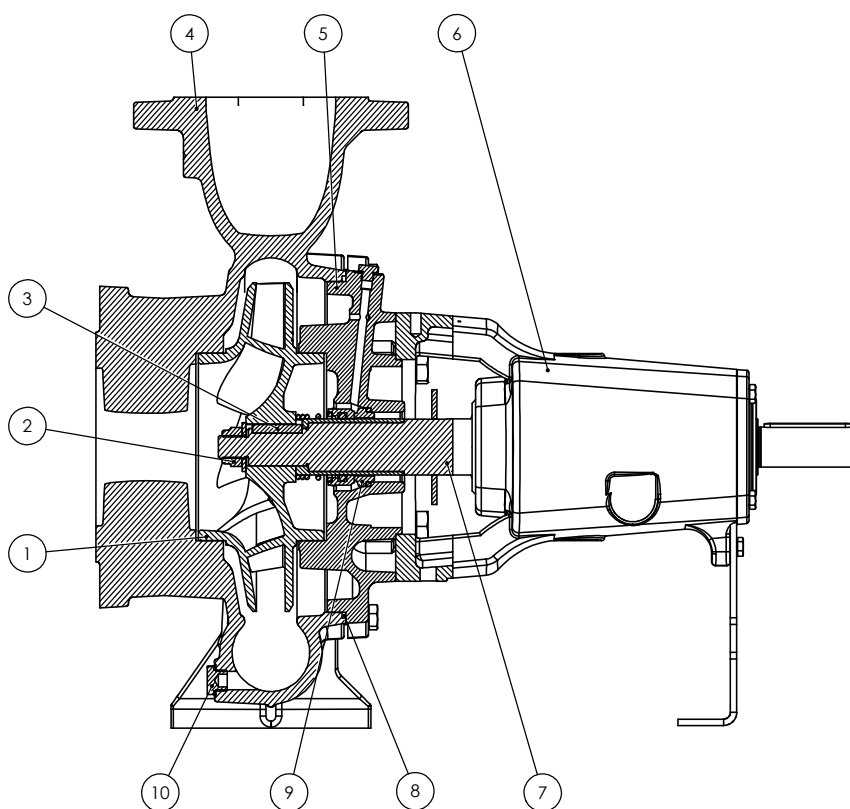


| TYPE                                 | 2 POLES |     |      |    |                    |           |             | 4 POLES     |               |            |             |
|--------------------------------------|---------|-----|------|----|--------------------|-----------|-------------|-------------|---------------|------------|-------------|
|                                      | CM      | CMG | CMGX | CA | CAT<br>CAX<br>CATX | Flow rate | Head        | 4CA<br>4CAT | 4CAX<br>4CATX | Flow rate  | Head        |
|                                      |         |     |      |    |                    | m³/h      | m           |             |               | m³/h       | m           |
| 100-250A                             | -       | ■   | ■    | ■  | ■                  | 120 ÷ 360 | 93,9 ÷ 73,2 | ■           | ■             | 60 ÷ 204   | 22,3 ÷ 13,8 |
| 100-315B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 72 ÷ 216   | 31,4 ÷ 17,9 |
| 100-315A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 72 ÷ 216   | 36,5 ÷ 23,1 |
| 100-400C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 84 ÷ 228   | 40,6 ÷ 25,8 |
| 100-400B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 84 ÷ 240   | 48,7 ÷ 31,6 |
| 100-400A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 84 ÷ 252   | 56 ÷ 36,7   |
| 125-250B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 102 ÷ 252  | 20,2 ÷ 11,1 |
| 125-250A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 102 ÷ 276  | 24 ÷ 14,7   |
| 125-315C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 120 ÷ 348  | 25,8 ÷ 15,7 |
| 125-315B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 120 ÷ 372  | 33 ÷ 22,2   |
| 125-315A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 120 ÷ 372  | 39,6 ÷ 28,2 |
| 125-400C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 120 ÷ 372  | 47,6 ÷ 33,8 |
| 125-400B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 120 ÷ 396  | 54,5 ÷ 39,1 |
| 125-400A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 120 ÷ 396  | 59,5 ÷ 45   |
| 150-315D                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 144 ÷ 444  | 28,3 ÷ 19,6 |
| 150-315C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 144 ÷ 492  | 32,2 ÷ 21,8 |
| 150-315B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 144 ÷ 540  | 36,3 ÷ 23,6 |
| 150-315A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 144 ÷ 564  | 41 ÷ 27,2   |
| 150-400C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 168 ÷ 564  | 47,8 ÷ 28,7 |
| 150-400B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 168 ÷ 588  | 54,4 ÷ 34,3 |
| 150-400A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 168 ÷ 612  | 60,3 ÷ 39,8 |
| Not envisaged in the EN 733 standard |         |     |      |    |                    |           |             |             |               |            |             |
| 200-315D                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 800  | 21,7 ÷ 12,5 |
| 200-315C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 850  | 26,6 ÷ 14,6 |
| 200-315B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 900  | 33,4 ÷ 16,7 |
| 200-315A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 900  | 35,9 ÷ 19,8 |
| 200-400C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 800  | 44,1 ÷ 31,5 |
| 200-400B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 850  | 50,8 ÷ 36,6 |
| 200-400A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 200 ÷ 900  | 58,5 ÷ 44   |
| 250-315C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1100 | 25,5 ÷ 16,8 |
| 250-315B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1170 | 33 ÷ 19     |
| 250-315A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1200 | 35 ÷ 20     |
| 250-400D                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1300 | 39,9 ÷ 24,3 |
| 250-400C                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1400 | 45,8 ÷ 27,4 |
| 250-400B                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1500 | 51,7 ÷ 30,3 |
| 250-400A                             | -       | -   | -    | -  | -                  | -         | -           | ■           | ■             | 250 ÷ 1600 | 57,4 ÷ 31,7 |



# CA-4CA Series

## Models list and materials



| POS. N. | DENOMINATION                 | VERSION      | MATERIAL                                               | REFERENCE STANDARDS      |               |
|---------|------------------------------|--------------|--------------------------------------------------------|--------------------------|---------------|
|         |                              |              |                                                        | EUROPE                   | USA           |
| 1       | Impeller                     | Standard     | Cast iron G20                                          | GJL-200 (JL1030)         | ASTM Class 30 |
|         |                              | B            | Bronze                                                 | CuSn10-C (CC480K)        | UNS C90700    |
|         |                              | X            | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |
| 2       | Impeller lock nut and washer |              | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |
| 3       | Impeller key                 |              | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |
| 4       | Volute casing                | Up to 80-200 | Cast iron G20                                          | GJL-200 (JL1030)         | ASTM Class 30 |
|         |                              | From 80-250  | Cast iron G25                                          | GJL-250 (JL1040)         | ASTM Class 35 |
|         |                              | X            | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |
| 5       | Casing cover                 | Standard     | Cast iron G20                                          | GJL-200 (JL1030)         | ASTM Class 30 |
|         |                              | X            | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |
| 6       | Bracket                      |              | Cast iron G20                                          | GJL-200 (JL1030)         | ASTM Class 30 |
| 7       | Shaft                        |              | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |
| 8       | O-ring                       | Standard     | (Search for the material in the mechanical seal table) |                          |               |
|         |                              | E            |                                                        |                          |               |
|         |                              | V            |                                                        |                          |               |
| 9       | Mechanical seal              |              |                                                        |                          |               |
| 10      | Fill and drain plugs         | Standard     | Brass                                                  | CU ZN 40 PB2 UNI 5705/65 | C37700        |
|         |                              | X            | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401  | AISI 316      |

| TYPE -<br>60 Hz                | P2         | Motor<br>Size | Q (m³/h - l/min) |              |              |              |              |               |               |               |               |               |              |              |
|--------------------------------|------------|---------------|------------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|
|                                |            |               | 0                | 6            | 7,5          | 9            | 12           | 15            | 18            | 21            | 24            | 27            | 30           | 33           |
|                                | kW         |               | 0                | 100          | 125          | 150          | 200          | 250           | 300           | 350           | 400           | 450           | 500          | 550          |
| H (m)<br>pump input power (kW) |            |               |                  |              |              |              |              |               |               |               |               |               |              |              |
| 32-160C                        | 1,5        | 90S           | 23,1<br>0,53     | 23,0<br>0,92 | 22,7<br>1,01 | 22,2<br>1,09 | 20,8<br>1,25 | 18,9<br>1,39  | 16,5<br>1,52  | 13,6<br>1,63  |               |               |              |              |
| 32-160B                        | 2,2        | 90L           | 28,0<br>0,76     | 28,1<br>1,23 | 27,8<br>1,34 | 27,3<br>1,45 | 26,1<br>1,65 | 24,6<br>1,83  | 22,5<br>2,00  | 19,6<br>2,14  | 16,3<br>2,26  |               |              |              |
| 32-160A                        | 3          | 100L          | 35,3<br>1,10     | 35,1<br>1,64 | 34,9<br>1,79 | 34,5<br>1,92 | 33,4<br>2,18 | 32,3<br>2,42  | 30,4<br>2,65  | 27,8<br>2,84  | 24,5<br>3,02  | 21,0<br>3,17  |              |              |
| 32-200C                        | 4          | 112M          | 39,3<br>1,59     | 39,3<br>2,27 | 39,2<br>2,46 | 39,0<br>2,64 | 38,3<br>2,97 | 37,3<br>3,31  | 35,7<br>3,61  | 33,4<br>3,88  | 30,5<br>4,13  | 28,2<br>4,34  |              |              |
| 32-200B                        | 5,5<br>7,5 | 132S<br>132S  | 47,7<br>2,23     | 47,6<br>3,05 | 47,6<br>3,26 | 47,5<br>3,49 | 46,9<br>3,91 | 45,9<br>4,32  | 44,7<br>4,70  | 42,9<br>5,05  | 40,5<br>5,40  | 37,4<br>5,70  | 35,7<br>5,98 |              |
| 32-200A                        | 7,5        | 132S          | 58,0<br>2,90     | 57,5<br>3,84 | 57,5<br>4,09 | 57,3<br>4,35 | 56,7<br>4,86 | 55,7<br>5,34  | 54,5<br>5,80  | 52,9<br>6,26  | 50,9<br>6,67  | 48,3<br>7,00  | 45,1<br>7,37 | 43,0<br>7,74 |
| 32-250C                        | 11         | 160M          | 76,2<br>4,06     |              | 74,3<br>5,60 | 74,0<br>5,94 | 72,9<br>6,53 | 71,2<br>7,08  | 69,0<br>7,56  | 66,4<br>8,00  | 63,4<br>8,48  | 59,5<br>8,93  |              |              |
| 32-250B                        | 11         | 160M          | 87,6<br>5,29     |              | 85,6<br>7,03 | 85,4<br>7,39 | 84,6<br>8,09 | 83,2<br>8,76  | 81,1<br>9,37  | 78,6<br>9,96  | 75,7<br>10,50 | 72,3<br>11,00 |              |              |
| 32-250A                        | 15         | 160M          | 96,7<br>6,27     |              | 95,1<br>8,20 | 94,9<br>8,61 | 94,4<br>9,42 | 93,2<br>10,18 | 91,4<br>10,92 | 89,1<br>11,61 | 86,4<br>12,27 | 83,2<br>12,85 |              |              |

| TYPE -<br>60 Hz                | P2         | Motor<br>Size | Q (m³/h - l/min) |                |                |                |                |                |                |                |                |               |               |               |               |               |               |
|--------------------------------|------------|---------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                |            |               | 0                | 9              | 12             | 15             | 18             | 21             | 24             | 27             | 30             | 33            | 36            | 39            | 42            | 45            | 48            |
|                                | kW         |               | 0                | 150            | 200            | 250            | 300            | 350            | 400            | 450            | 500            | 550           | 600           | 650           | 700           | 750           | 800           |
| H (m)<br>pump input power (kW) |            |               |                  |                |                |                |                |                |                |                |                |               |               |               |               |               |               |
| 40-125C                        | 1,5<br>2,2 | 90S<br>90L    | 17,7<br>0,54     | 18,6<br>0,97   | 18,4<br>1,11   | 18,0<br>1,23   | 17,3<br>1,33   | 16,4<br>1,43   | 15,3<br>1,50   | 14,0<br>1,55   | 12,6<br>1,59   | 10,9<br>1,60  | 8,9<br>1,60   |               |               |               |               |
| 40-125B                        | 2,2<br>3   | 90L<br>100L   | 22,9<br>1,79     | 24,1<br>1,33   | 24,1<br>1,52   | 23,7<br>1,68   | 23,1<br>1,83   | 22,3<br>1,96   | 21,2<br>2,08   | 20,1<br>2,17   | 18,7<br>2,24   | 17,1<br>2,29  | 15,1<br>2,32  | 12,9<br>2,34  |               |               |               |
| 40-125A                        | 3          | 100L          | 27,3<br>1,08     | 28,4<br>1,67   | 28,4<br>1,90   | 28,3<br>2,10   | 27,9<br>2,29   | 27,2<br>2,45   | 26,4<br>2,59   | 25,3<br>2,71   | 23,9<br>2,82   | 22,2<br>2,91  | 20,3<br>2,98  | 18,2<br>3,02  | 16,0<br>3,05  |               |               |
| 40-160B                        | 3<br>4     | 100L<br>112M  | 28,3<br>1,25     | 28,9<br>1,95   | 28,9<br>2,16   | 28,8<br>2,38   | 28,5<br>2,59   | 27,7<br>2,77   | 26,6<br>2,94   | 25,4<br>3,07   | 23,9<br>3,18   | 22,2<br>3,26  | 20,1<br>3,33  |               |               |               |               |
| 40-160A                        | 4          | 112M          | 32,7<br>1,42     | 33,8<br>2,22   | 33,9<br>2,47   | 33,9<br>2,72   | 33,6<br>2,95   | 33,0<br>3,18   | 32,2<br>3,40   | 31,2<br>3,60   | 30,0<br>3,78   | 28,4<br>3,91  | 26,6<br>4,02  | 24,6<br>4,11  | 22,3<br>4,19  |               |               |
| 40-160AP                       | 5,5        | 132S          | 38,2<br>1,96     | 39,5<br>2,88   | 39,8<br>3,18   | 39,7<br>3,48   | 39,4<br>3,76   | 38,8<br>4,02   | 38,0<br>4,26   | 37,0<br>4,47   | 35,7<br>4,66   | 34,1<br>4,84  | 32,5<br>5,00  | 30,8<br>5,14  | 28,8<br>5,26  | 26,6<br>5,36  | 24,2<br>5,43  |
| 40-200B                        | 7,5<br>7,5 | 132S<br>132S  | 44,7<br>2,31     | 45,3<br>3,35   | 45,2<br>3,71   | 44,9<br>4,06   | 44,2<br>4,42   | 43,2<br>4,71   | 41,9<br>4,98   | 40,4<br>5,26   | 38,4<br>5,49   | 36,0<br>5,70  | 33,3<br>5,89  | 30,5<br>6,04  | 27,2<br>6,11  |               |               |
| 40-200A                        | 7,5<br>11  | 132S<br>160M  | 55,2<br>3,25     | 56,3<br>4,46   | 56,3<br>4,91   | 56,4<br>5,35   | 55,9<br>5,76   | 55,0<br>6,16   | 53,8<br>6,53   | 52,4<br>6,87   | 50,7<br>7,20   | 48,6<br>7,50  | 46,1<br>7,77  | 43,4<br>8,03  | 40,1<br>8,24  |               |               |
| 40-200AP                       | 11         | 160M          | 60,2<br>3,63     | 60,8<br>4,95   | 60,9<br>5,45   | 60,9<br>5,94   | 60,5<br>6,39   | 59,6<br>6,82   | 58,5<br>7,22   | 57,2<br>7,60   | 55,7<br>7,96   | 53,9<br>8,29  | 51,6<br>8,61  | 48,9<br>8,90  | 45,8<br>9,17  | 42,8<br>9,41  |               |
| 40-250C                        | 11         | 160M          | 63,2<br>3,99     | 65,1<br>5,67   | 65,3<br>6,23   | 65,2<br>6,79   | 64,8<br>7,32   | 64,2<br>7,85   | 63,3<br>8,36   | 61,4<br>8,79   | 59,0<br>9,22   | 56,3<br>9,67  | 53,3<br>10,11 |               |               |               |               |
| 40-250B                        | 11         | 160M          | 71,7<br>4,97     | 73,7<br>6,76   | 74,1<br>7,41   | 74,0<br>8,08   | 73,7<br>8,68   | 73,1<br>9,23   | 71,7<br>9,75   | 70,1<br>10,26  | 68,5<br>10,79  | 66,2<br>11,32 | 63,2<br>11,84 | 60,0<br>12,36 |               |               |               |
| 40-250A                        | 15         | 160M          | 81,3<br>6,31     | 83,7<br>8,36   | 84,2<br>9,11   | 84,3<br>9,80   | 83,9<br>10,47  | 82,8<br>11,13  | 81,6<br>11,78  | 80,6<br>12,42  | 79,4<br>13,08  | 77,9<br>13,74 | 75,4<br>14,34 | 72,4<br>14,89 | 68,9<br>15,42 | 65,1<br>15,93 |               |
| 40-250BM<br>max 14 bar         | 18,5       | 160L          | 89,8<br>7,12     | 91,8<br>9,03   | 91,8<br>9,70   | 91,4<br>10,39  | 91,0<br>11,08  | 90,6<br>11,78  | 90,0<br>12,49  | 89,4<br>13,25  | 88,8<br>14,00  | 88,1<br>14,69 | 87,3<br>15,34 | 85,7<br>15,97 | 83,2<br>16,58 | 80,1<br>17,17 | 76,5<br>17,77 |
| 40-250AM<br>max 14 bar         | 22         | 180M          | 101,0<br>8,17    | 102,7<br>10,36 | 102,8<br>11,11 | 102,8<br>11,86 | 102,6<br>12,62 | 102,2<br>13,46 | 101,7<br>14,29 | 101,1<br>15,10 | 100,2<br>15,89 | 99,1<br>16,65 | 98,0<br>17,43 | 96,6<br>18,20 | 94,8<br>18,91 | 92,5<br>19,59 | 89,4<br>20,27 |

# CA-CAX ~ EN 733

| TYPE - 60 Hz | P2   | Motor Size | Q (m³/h - l/min)               |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|--------------|------|------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|              |      |            | 0                              | 12                  | 15                  | 18                  | 21                  | 24                  | 27                   | 30                   | 33                   | 36                   | 39                   | 42                   | 45                   | 48                   | 54                   | 60                   | 66                   | 72                   | 78                   |
|              |      |            | 0                              | 200                 | 250                 | 300                 | 350                 | 400                 | 450                  | 500                  | 550                  | 600                  | 650                  | 700                  | 750                  | 800                  | 900                  | 1000                 | 1100                 | 1200                 | 1300                 |
|              |      |            | H (m)<br>pump input power (kW) |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 50-125B      | 3    | 100L       | 20,2<br><u>1,29</u>            | 20,6<br><u>1,68</u> | 20,5<br><u>1,82</u> | 20,3<br><u>1,96</u> | 20,1<br><u>2,10</u> | 19,8<br><u>2,23</u> | 19,5<br><u>2,36</u>  | 19,1<br><u>2,47</u>  | 18,7<br><u>2,57</u>  | 18,3<br><u>2,67</u>  | 17,8<br><u>2,75</u>  | 17,3<br><u>2,84</u>  | 16,7<br><u>2,91</u>  | 16,1<br><u>2,98</u>  | 14,5<br><u>3,09</u>  | 12,6<br><u>3,15</u>  | 10,5<br><u>3,17</u>  | 8,4<br><u>3,18</u>   |                      |
| 50-125A      | 4    | 112M       | 23,7<br><u>1,48</u>            | 24,6<br><u>2,05</u> | 24,5<br><u>2,23</u> | 24,5<br><u>2,40</u> | 24,3<br><u>2,55</u> | 24,1<br><u>2,70</u> | 23,9<br><u>2,86</u>  | 23,6<br><u>3,02</u>  | 23,3<br><u>3,18</u>  | 22,9<br><u>3,31</u>  | 22,4<br><u>3,44</u>  | 21,9<br><u>3,56</u>  | 21,3<br><u>3,66</u>  | 20,6<br><u>3,76</u>  | 19,2<br><u>3,92</u>  | 17,5<br><u>4,04</u>  | 15,4<br><u>4,12</u>  | 13,4<br><u>4,18</u>  |                      |
| 50-160B      | 5,5  | 132S       | 34,2<br><u>2,10</u>            |                     |                     |                     | 35,1<br><u>3,96</u> | 34,8<br><u>4,20</u> | 34,4<br><u>4,43</u>  | 33,8<br><u>4,64</u>  | 33,1<br><u>4,84</u>  | 32,4<br><u>5,03</u>  | 31,6<br><u>5,20</u>  | 30,8<br><u>5,36</u>  | 29,8<br><u>5,49</u>  | 28,8<br><u>5,60</u>  | 26,6<br><u>5,77</u>  | 24,0<br><u>5,86</u>  | 21,0<br><u>5,89</u>  | 17,6<br><u>5,81</u>  |                      |
| 50-160A      | 7,5  | 132S       | 40,5<br><u>2,71</u>            |                     |                     |                     | 42,4<br><u>4,85</u> | 42,4<br><u>5,14</u> | 42,2<br><u>5,42</u>  | 41,9<br><u>5,70</u>  | 41,4<br><u>5,97</u>  | 40,8<br><u>6,22</u>  | 40,2<br><u>6,46</u>  | 39,5<br><u>6,68</u>  | 38,7<br><u>6,88</u>  | 37,8<br><u>7,06</u>  | 35,7<br><u>7,37</u>  | 33,2<br><u>7,60</u>  | 30,6<br><u>7,76</u>  | 27,9<br><u>7,84</u>  | 24,5<br><u>7,89</u>  |
| 50-200C      | 11   | 160M       | 48,1<br><u>2,84</u>            |                     |                     |                     |                     | 50,2<br><u>6,10</u> | 49,7<br><u>6,46</u>  | 49,0<br><u>6,79</u>  | 48,2<br><u>7,08</u>  | 47,3<br><u>7,34</u>  | 46,3<br><u>7,61</u>  | 45,2<br><u>7,89</u>  | 44,0<br><u>8,14</u>  | 42,6<br><u>8,36</u>  | 39,4<br><u>8,70</u>  | 35,6<br><u>8,96</u>  | 30,8<br><u>9,12</u>  | 25,2<br><u>9,19</u>  |                      |
| 50-200B      | 11   | 160M       | 54,9<br><u>3,77</u>            |                     |                     |                     |                     | 57,1<br><u>7,35</u> | 56,7<br><u>7,74</u>  | 56,1<br><u>8,12</u>  | 55,3<br><u>8,48</u>  | 54,5<br><u>8,81</u>  | 53,5<br><u>9,13</u>  | 52,4<br><u>9,43</u>  | 51,3<br><u>9,72</u>  | 50,0<br><u>9,99</u>  | 47,0<br><u>10,44</u> | 43,3<br><u>10,79</u> | 39,0<br><u>11,07</u> | 34,4<br><u>11,26</u> |                      |
| 50-200A      | 15   | 160M       | 62,0<br><u>4,39</u>            |                     |                     |                     |                     | 64,9<br><u>8,40</u> | 64,6<br><u>8,87</u>  | 64,1<br><u>9,35</u>  | 63,5<br><u>9,81</u>  | 62,7<br><u>10,21</u> | 61,8<br><u>10,57</u> | 60,7<br><u>10,91</u> | 59,6<br><u>11,26</u> | 58,3<br><u>11,60</u> | 55,5<br><u>12,19</u> | 52,3<br><u>12,67</u> | 48,1<br><u>13,08</u> | 43,5<br><u>13,40</u> | 38,4<br><u>13,65</u> |
| 50-250C      | 15   | 160M       | 67,8<br><u>4,54</u>            |                     |                     |                     |                     |                     | 66,7<br><u>9,60</u>  | 66,1<br><u>10,13</u> | 65,4<br><u>10,64</u> | 64,6<br><u>11,13</u> | 63,8<br><u>11,60</u> | 62,9<br><u>12,04</u> | 61,7<br><u>12,47</u> | 60,3<br><u>12,88</u> | 56,9<br><u>13,66</u> | 53,3<br><u>14,38</u> | 49,3<br><u>15,04</u> |                      |                      |
| 50-250B      | 18,5 | 160L       | 78,1<br><u>6,13</u>            |                     |                     |                     |                     |                     | 78,1<br><u>11,96</u> | 77,4<br><u>12,59</u> | 76,7<br><u>13,18</u> | 75,9<br><u>13,75</u> | 75,1<br><u>14,29</u> | 74,1<br><u>14,82</u> | 72,9<br><u>15,33</u> | 71,5<br><u>15,84</u> | 68,3<br><u>16,83</u> | 64,3<br><u>17,74</u> | 59,9<br><u>18,59</u> | 55,6<br><u>19,37</u> |                      |
| 50-250A      | 22   | 180M       | 87,2<br><u>7,03</u>            |                     |                     |                     |                     |                     | 87,1<br><u>13,27</u> | 86,5<br><u>14,00</u> | 85,9<br><u>14,71</u> | 85,3<br><u>15,37</u> | 84,8<br><u>16,00</u> | 84,1<br><u>16,61</u> | 83,2<br><u>17,20</u> | 82,2<br><u>17,76</u> | 79,6<br><u>18,83</u> | 76,2<br><u>19,84</u> | 72,1<br><u>20,79</u> | 67,7<br><u>21,72</u> | 63,1<br><u>22,60</u> |

| TYPE - 60 Hz                                | P2 | Motor Size | Q (m³/h - l/min)               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|---------------------------------------------|----|------------|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                             |    |            | 0                              | 42                    | 45                    | 48                    | 54                    | 60                    | 66                    | 72                    | 78                    | 84                    | 96                    | 108                   | 120                   | 132                   |
|                                             |    |            | 0                              | 700                   | 750                   | 800                   | 900                   | 1000                  | 1100                  | 1200                  | 1300                  | 1400                  | 1600                  | 1800                  | 2000                  | 2200                  |
|                                             |    |            | H (m)<br>pump input power (kW) |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| 50-315DN<br>No EN 733;<br>no CAT, CAX, CATX | 37 | 200L       | 87,8<br><u>11,19</u>           | 90,4<br><u>20,11</u>  | 90,3<br><u>20,82</u>  | 90,2<br><u>21,53</u>  | 89,9<br><u>22,91</u>  | 89,2<br><u>24,19</u>  | 88,2<br><u>25,41</u>  | 87,1<br><u>26,59</u>  | 86,0<br><u>27,71</u>  | 84,8<br><u>28,79</u>  | 82,4<br><u>30,91</u>  | 79,9<br><u>32,95</u>  | 76,9<br><u>34,81</u>  | 73,4<br><u>36,56</u>  |
| 50-315CN<br>No EN 733;<br>no CAT, CAX, CATX | 45 | 225M       | 101,8<br><u>13,32</u>          | 105,0<br><u>23,97</u> | 104,9<br><u>24,80</u> | 104,8<br><u>25,62</u> | 104,3<br><u>27,25</u> | 103,7<br><u>28,79</u> | 102,7<br><u>30,21</u> | 101,5<br><u>31,54</u> | 100,3<br><u>32,85</u> | 99,1<br><u>34,15</u>  | 96,7<br><u>36,68</u>  | 94,1<br><u>39,07</u>  | 91,3<br><u>41,26</u>  | 88,7<br><u>43,26</u>  |
| 50-315BN<br>No EN 733;<br>no CAT, CAX, CATX | 55 | 250M       | 122,3<br><u>17,44</u>          | 124,3<br><u>29,30</u> | 124,4<br><u>30,29</u> | 124,5<br><u>31,27</u> | 124,7<br><u>33,28</u> | 124,4<br><u>35,14</u> | 123,6<br><u>36,80</u> | 122,5<br><u>38,34</u> | 121,3<br><u>39,85</u> | 119,9<br><u>41,39</u> | 116,6<br><u>44,41</u> | 113,3<br><u>47,32</u> | 110,1<br><u>50,01</u> | 107,1<br><u>52,39</u> |
| 50-315AN<br>No EN 733;<br>no CAT, CAX, CATX | 75 | 280S       | 146,1<br><u>22,75</u>          | 146,9<br><u>35,89</u> | 147,1<br><u>37,06</u> | 147,3<br><u>38,23</u> | 147,4<br><u>40,53</u> | 147,3<br><u>42,67</u> | 146,9<br><u>44,71</u> | 146,3<br><u>46,70</u> | 145,3<br><u>48,67</u> | 144,1<br><u>50,61</u> | 141,2<br><u>54,26</u> | 137,9<br><u>57,62</u> | 134,1<br><u>60,84</u> | 130,0<br><u>63,78</u> |

| TYPE - 60 Hz | P2   | Motor Size | Q (m³/h - l/min)               |                     |                     |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|--------------|------|------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|              |      |            | 0                              | 30                  | 33                  | 36                  | 39                  | 42                  | 45                  | 48                  | 54                   | 60                   | 66                   | 72                   | 78                   | 84                   | 96                   | 108                  | 120                  |
|              |      |            | 0                              | 500                 | 550                 | 600                 | 650                 | 700                 | 750                 | 800                 | 900                  | 1000                 | 1100                 | 1200                 | 1300                 | 1400                 | 1600                 | 1800                 | 2000                 |
|              |      |            | H (m)<br>pump input power (kW) |                     |                     |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 65-125B      | 5,5  | 132S       | 18,2<br><u>2,35</u>            | 19,6<br><u>3,52</u> | 19,5<br><u>3,63</u> | 19,4<br><u>3,73</u> | 19,2<br><u>3,82</u> | 19,0<br><u>3,92</u> | 18,8<br><u>4,01</u> | 18,5<br><u>4,10</u> | 18,0<br><u>4,27</u>  | 17,7<br><u>4,48</u>  | 17,5<br><u>4,71</u>  | 17,2<br><u>4,93</u>  | 16,9<br><u>5,13</u>  | 16,4<br><u>5,31</u>  | 15,0<br><u>5,56</u>  | 13,7<br><u>5,83</u>  | 11,9<br><u>5,88</u>  |
| 65-125A      | 7,5  | 132S       | 23,2<br><u>2,95</u>            | 24,7<br><u>4,39</u> | 24,7<br><u>4,54</u> | 24,6<br><u>4,70</u> | 24,5<br><u>4,85</u> | 24,4<br><u>4,99</u> | 24,3<br><u>5,14</u> | 24,1<br><u>5,28</u> | 23,8<br><u>5,55</u>  | 23,4<br><u>5,80</u>  | 23,0<br><u>6,05</u>  | 22,7<br><u>6,30</u>  | 22,3<br><u>6,52</u>  | 21,7<br><u>6,72</u>  | 20,4<br><u>7,08</u>  | 19,0<br><u>7,40</u>  | 15,1<br><u>7,72</u>  |
| 65-160C      | 11   | 160M       | 29,5<br><u>3,15</u>            |                     |                     |                     |                     | 30,7<br><u>5,71</u> | 30,5<br><u>5,91</u> | 30,3<br><u>6,10</u> | 29,8<br><u>6,47</u>  | 29,3<br><u>6,83</u>  | 28,8<br><u>7,18</u>  | 28,2<br><u>7,51</u>  | 27,5<br><u>7,79</u>  | 26,8<br><u>8,05</u>  | 24,9<br><u>8,50</u>  | 22,5<br><u>8,83</u>  | 19,7<br><u>9,08</u>  |
| 65-160B      | 11   | 160M       | 33,9<br><u>3,86</u>            |                     |                     |                     |                     | 35,7<br><u>6,88</u> | 35,6<br><u>7,11</u> | 35,4<br><u>7,34</u> | 35,0<br><u>7,80</u>  | 34,5<br><u>8,25</u>  | 34,0<br><u>8,66</u>  | 33,4<br><u>9,04</u>  | 32,7<br><u>9,39</u>  | 32,0<br><u>9,72</u>  | 30,3<br><u>10,30</u> | 28,0<br><u>10,76</u> | 25,3<br><u>11,11</u> |
| 65-160A      | 15   | 160M       | 41,6<br><u>4,80</u>            |                     |                     |                     |                     | 44,1<br><u>8,63</u> | 44,0<br><u>8,92</u> | 43,9<br><u>9,22</u> | 43,7<br><u>9,80</u>  | 43,3<br><u>10,39</u> | 42,8<br><u>10,94</u> | 42,3<br><u>11,45</u> | 41,7<br><u>11,91</u> | 41,1<br><u>12,34</u> | 39,8<br><u>13,08</u> | 37,8<br><u>13,84</u> | 35,3<br><u>14,52</u> |
| 65-200C      | 15   | 160M       | 44,8<br><u>4,49</u>            |                     |                     |                     |                     |                     |                     |                     | 45,2<br><u>10,62</u> | 44,5<br><u>11,19</u> | 43,6<br><u>11,78</u> | 42,7<br><u>12,34</u> | 41,8<br><u>12,85</u> | 41,0<br><u>13,31</u> | 38,6<br><u>14,08</u> | 35,0<br><u>14,67</u> | 30,9<br><u>15,12</u> |
| 65-200B      | 18,5 | 160L       | 52,1<br><u>5,55</u>            |                     |                     |                     |                     |                     |                     |                     | 53,8<br><u>12,73</u> | 53,0<br><u>13,50</u> | 52,3<br><u>14,16</u> | 51,6<br><u>14,74</u> | 50,8<br><u>15,32</u> | 49,9<br><u>15,95</u> | 47,8<br><u>17,03</u> | 45,4<br><u>17,85</u> | 41,4<br><u>18,58</u> |
| 65-200A      | 22,5 | 180M       | 59,0<br><u>6,71</u>            |                     |                     |                     |                     |                     |                     |                     | 61,9<br><u>14,86</u> | 61,3<br><u>15,68</u> | 60,6<br><u>16,48</u> | 60,0<br><u>17,26</u> | 59,3<br><u>18,02</u> | 58,6<br><u>18,74</u> | 56,5<br><u>20,01</u> | 54,2<br><u>21,06</u> | 51,4<br><u>22,74</u> |
| 65-250B      | 30   | 200L       | 79,8<br><u>8,51</u>            |                     |                     |                     |                     |                     |                     |                     | 80,8<br><u>19,89</u> | 79,7<br><u>20,96</u> | 78,4<br><u>21,91</u> | 77,0<br><u>22,77</u> | 75,5<br><u>23,59</u> | 73,9<br><u>24,43</u> | 70,4<br><u>25,96</u> | 66,3<br><u>27,20</u> | 61,2<br><u>28,06</u> |
| 65-250A      | 37   | 200L       | 90,2<br><u>10,18</u>           |                     |                     |                     |                     |                     |                     |                     | 91,8<br><u>23,00</u> | 90,8<br><u>24,23</u> | 89,6<br><u>25,41</u> | 88,1<br><u>26,54</u> | 86,5<br><u>27,56</u> | 85,0<br><u>28,41</u> | 81,4<br><u>29,97</u> | 77,0<br><u>31,48</u> | 72,0<br><u>32,60</u> |



| TYPE -<br>60 Hz                      | P2 | Motor<br>Size | Q (m³/h - l/min)               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|--------------------------------------|----|---------------|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                      |    |               | 0                              | 54                    | 60                    | 66                    | 72                    | 78                    | 84                    | 96                    | 108                   | 120                   | 132                   | 138                   | 144                   | 150                   | 156                   | 168                   | 180                   | 195                   | 210                   |
|                                      |    |               | 0                              | 900                   | 1000                  | 1100                  | 1200                  | 1300                  | 1400                  | 1600                  | 1800                  | 2000                  | 2200                  | 2300                  | 2400                  | 2500                  | 2600                  | 2800                  | 3000                  | 3250                  | 3500                  |
|                                      |    |               | H (m)<br>pump input power (kW) |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| <b>65-315CN</b><br>No CAT, CAX, CATX | 55 | 250M          | 89,1<br><i>14,88</i>           | 94,6<br><i>27,27</i>  | 94,6<br><i>28,69</i>  | 94,6<br><i>30,09</i>  | 94,2<br><i>31,43</i>  | 93,7<br><i>32,74</i>  | 93,3<br><i>34,03</i>  | 92,1<br><i>36,56</i>  | 90,4<br><i>39,10</i>  | 88,6<br><i>41,55</i>  | 86,9<br><i>43,80</i>  | 86,1<br><i>44,88</i>  | 85,2<br><i>45,95</i>  | 84,2<br><i>47,04</i>  | 83,1<br><i>48,12</i>  | 80,8<br><i>50,26</i>  | 78,2<br><i>52,38</i>  |                       |                       |
| <b>65-315BN</b><br>No CAT, CAX, CATX | 75 | 280S          | 109,3<br><i>19,73</i>          | 113,8<br><i>33,93</i> | 114,0<br><i>35,64</i> | 114,2<br><i>37,33</i> | 114,2<br><i>38,93</i> | 113,9<br><i>40,50</i> | 113,6<br><i>42,10</i> | 112,4<br><i>45,26</i> | 110,7<br><i>48,26</i> | 108,6<br><i>51,13</i> | 106,5<br><i>53,82</i> | 105,4<br><i>55,13</i> | 104,4<br><i>56,45</i> | 103,4<br><i>57,80</i> | 102,5<br><i>59,17</i> | 100,7<br><i>61,90</i> | 98,5<br><i>64,51</i>  | 94,8<br><i>67,56</i>  |                       |
| <b>65-315AN</b><br>No CAT, CAX, CATX | 90 | 280M          | 132,5<br><i>26,42</i>          | 137,4<br><i>43,32</i> | 137,9<br><i>45,51</i> | 138,3<br><i>47,69</i> | 138,4<br><i>49,75</i> | 138,3<br><i>51,74</i> | 138,1<br><i>53,71</i> | 137,3<br><i>57,58</i> | 135,8<br><i>61,35</i> | 133,8<br><i>64,98</i> | 131,7<br><i>68,43</i> | 130,6<br><i>70,11</i> | 129,5<br><i>71,78</i> | 128,4<br><i>73,47</i> | 127,3<br><i>75,17</i> | 125,2<br><i>78,50</i> | 123,0<br><i>81,56</i> | 120,1<br><i>84,90</i> | 116,3<br><i>89,60</i> |

| TYPE -<br>60 Hz | P2   | Motor<br>Size | Q (m³/h - l/min)               |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|------|---------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |      |               | 0                              | 66                   | 72                   | 78                   | 84                   | 96                   | 108                  | 120                  | 132                  | 138                  | 144                  | 150                  | 156                  | 168                  | 180                  | 195                  | 210                  | 225                  | 240                  |
|                 |      |               | 0                              | 1100                 | 1200                 | 1300                 | 1400                 | 1600                 | 1800                 | 2000                 | 2200                 | 2300                 | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3250                 | 3500                 | 3750                 | 4000                 |
|                 |      |               | H (m)<br>pump input power (kW) |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| <b>80-160E</b>  | 11   | 160M          | 20,7<br><i>4,46</i>            | 22,5<br><i>7,05</i>  | 21,9<br><i>7,17</i>  | 21,3<br><i>7,28</i>  | 20,8<br><i>7,41</i>  | 19,7<br><i>7,69</i>  | 18,8<br><i>8,09</i>  | 17,9<br><i>8,49</i>  | 16,6<br><i>8,69</i>  | 16,0<br><i>8,80</i>  | 15,5<br><i>8,93</i>  | 15,0<br><i>9,06</i>  | 14,6<br><i>9,18</i>  | 13,5<br><i>9,35</i>  |                      |                      |                      |                      |                      |
| <b>80-160D</b>  | 11   | 160M          | 23,9<br><i>5,03</i>            | 25,9<br><i>8,11</i>  | 25,4<br><i>8,30</i>  | 24,8<br><i>8,49</i>  | 24,3<br><i>8,70</i>  | 23,3<br><i>9,18</i>  | 22,5<br><i>9,64</i>  | 21,8<br><i>10,07</i> | 20,5<br><i>10,40</i> | 19,8<br><i>10,54</i> | 19,1<br><i>10,67</i> | 18,5<br><i>10,82</i> | 18,0<br><i>10,98</i> | 16,9<br><i>11,22</i> | 15,5<br><i>11,34</i> |                      |                      |                      |                      |
| <b>80-160C</b>  | 15   | 160M          | 29,4<br><i>5,73</i>            | 32,6<br><i>9,88</i>  | 32,2<br><i>10,20</i> | 31,8<br><i>10,51</i> | 31,3<br><i>10,82</i> | 30,3<br><i>11,44</i> | 29,3<br><i>12,05</i> | 28,2<br><i>12,57</i> | 27,2<br><i>12,96</i> | 26,6<br><i>13,16</i> | 26,0<br><i>13,40</i> | 25,4<br><i>13,65</i> | 24,8<br><i>13,88</i> | 23,4<br><i>14,24</i> | 21,9<br><i>14,49</i> | 19,2<br><i>14,56</i> |                      |                      |                      |
| <b>80-160B</b>  | 18,5 | 160L          | 34,9<br><i>6,98</i>            | 37,9<br><i>11,63</i> | 37,6<br><i>12,05</i> | 37,3<br><i>12,44</i> | 36,9<br><i>12,82</i> | 36,0<br><i>13,54</i> | 35,0<br><i>14,25</i> | 33,9<br><i>14,91</i> | 32,7<br><i>15,44</i> | 32,1<br><i>15,66</i> | 31,5<br><i>15,89</i> | 30,9<br><i>16,13</i> | 30,4<br><i>16,38</i> | 29,2<br><i>16,86</i> | 27,5<br><i>17,27</i> | 24,9<br><i>17,65</i> | 22,3<br><i>17,84</i> |                      |                      |
| <b>80-160A</b>  | 22,5 | 180M          | 38,8<br><i>7,79</i>            | 42,4<br><i>12,99</i> | 42,1<br><i>13,42</i> | 41,8<br><i>13,88</i> | 41,4<br><i>14,39</i> | 40,6<br><i>15,40</i> | 39,7<br><i>16,21</i> | 38,7<br><i>16,88</i> | 37,5<br><i>17,54</i> | 36,8<br><i>17,86</i> | 36,1<br><i>18,17</i> | 35,5<br><i>18,46</i> | 34,9<br><i>18,75</i> | 33,6<br><i>19,27</i> | 32,1<br><i>19,73</i> | 29,8<br><i>20,20</i> | 27,4<br><i>20,54</i> | 24,5<br><i>20,69</i> |                      |
| <b>80-200B</b>  | 30   | 200L          | 49,4<br><i>9,37</i>            |                      |                      |                      | 53,8<br><i>18,68</i> | 53,0<br><i>20,00</i> | 52,0<br><i>21,30</i> | 51,1<br><i>22,63</i> | 50,2<br><i>23,96</i> | 49,7<br><i>24,56</i> | 49,2<br><i>25,08</i> | 48,7<br><i>25,53</i> | 48,1<br><i>25,94</i> | 47,0<br><i>26,75</i> | 45,6<br><i>27,57</i> | 43,6<br><i>28,51</i> | 40,8<br><i>29,35</i> | 37,6<br><i>30,00</i> |                      |
| <b>80-200A</b>  | 37   | 200L          | 56,7<br><i>10,55</i>           |                      |                      |                      | 62,1<br><i>21,49</i> | 61,5<br><i>23,09</i> | 60,6<br><i>24,74</i> | 59,7<br><i>26,30</i> | 58,8<br><i>27,78</i> | 58,2<br><i>28,47</i> | 57,7<br><i>29,12</i> | 57,2<br><i>29,71</i> | 56,6<br><i>30,27</i> | 55,4<br><i>31,30</i> | 53,9<br><i>32,34</i> | 51,7<br><i>33,60</i> | 49,4<br><i>34,65</i> | 46,8<br><i>35,49</i> | 43,8<br><i>36,21</i> |
| <b>80-250B</b>  | 45   | 225M          | 77,2<br><i>14,22</i>           |                      |                      |                      |                      | 77,7<br><i>32,00</i> | 76,4<br><i>34,32</i> | 75,2<br><i>36,41</i> | 74,0<br><i>37,94</i> | 73,3<br><i>38,70</i> | 72,6<br><i>39,45</i> | 71,8<br><i>40,27</i> | 70,9<br><i>41,09</i> | 69,1<br><i>42,67</i> | 67,3<br><i>44,03</i> | 64,9<br><i>45,51</i> | 62,3<br><i>46,76</i> | 59,5<br><i>47,80</i> |                      |
| <b>80-250A</b>  | 55   | 250M          | 90,0<br><i>17,04</i>           |                      |                      |                      |                      | 92,0<br><i>37,50</i> | 90,8<br><i>39,95</i> | 89,4<br><i>42,26</i> | 87,9<br><i>44,45</i> | 87,0<br><i>45,48</i> | 86,1<br><i>46,46</i> | 85,1<br><i>47,37</i> | 84,1<br><i>48,24</i> | 81,9<br><i>49,83</i> | 79,7<br><i>51,32</i> | 77,1<br><i>53,03</i> | 74,2<br><i>54,66</i> | 71,0<br><i>56,20</i> | 68,0<br><i>57,50</i> |

| TYPE -<br>60 Hz | P2       | Motor<br>Size | Q (m³/h - l/min)               |                      |                       |                       |                       |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----------|---------------|--------------------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |          |               | 0                              | 108                  | 120                   | 132                   | 138                   | 144                  | 150                  | 156                  | 168                  | 180                  | 195                  | 210                  | 225                  | 240                  | 255                  | 270                  | 300                  | 330                  | 360                  |
|                 |          |               | 0                              | 1800                 | 2000                  | 2200                  | 2300                  | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3250                 | 3500                 | 3750                 | 4000                 | 4250                 | 4500                 | 5000                 | 5500                 | 6000                 |
|                 |          |               | H (m)<br>pump input power (kW) |                      |                       |                       |                       |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| <b>100-200D</b> | 30       | 200L          | 41,9<br><i>21,10</i>           | 41,2<br><i>24,40</i> | 40,8<br><i>24,83</i>  | 40,0<br><i>25,26</i>  | 39,7<br><i>25,50</i>  | 39,3<br><i>25,76</i> | 38,8<br><i>26,02</i> | 38,4<br><i>26,27</i> | 37,3<br><i>26,69</i> | 36,2<br><i>26,97</i> | 34,7<br><i>27,28</i> | 33,2<br><i>27,68</i> | 31,8<br><i>28,13</i> | 30,2<br><i>28,64</i> | 28,4<br><i>29,19</i> | 26,7<br><i>29,69</i> | 22,7<br><i>30,42</i> |                      |                      |
| <b>100-200C</b> | 37       | 200L          | 49,8<br><i>23,68</i>           | 49,5<br><i>28,27</i> | 49,3<br><i>29,02</i>  | 48,6<br><i>29,77</i>  | 48,2<br><i>30,14</i>  | 47,7<br><i>30,48</i> | 47,2<br><i>30,81</i> | 46,8<br><i>31,12</i> | 45,9<br><i>31,70</i> | 44,9<br><i>32,25</i> | 43,3<br><i>32,85</i> | 41,7<br><i>33,41</i> | 40,1<br><i>34,08</i> | 38,7<br><i>34,81</i> | 37,2<br><i>35,47</i> | 35,6<br><i>36,07</i> | 31,6<br><i>36,90</i> | 26,4<br><i>37,16</i> |                      |
| <b>100-200B</b> | 45       | 225M          | 58,0<br><i>21,69</i>           | 58,5<br><i>29,77</i> | 58,3<br><i>30,83</i>  | 57,9<br><i>31,89</i>  | 57,6<br><i>32,42</i>  | 57,3<br><i>32,96</i> | 57,0<br><i>33,51</i> | 56,6<br><i>34,07</i> | 55,8<br><i>35,19</i> | 54,8<br><i>36,32</i> | 53,6<br><i>37,73</i> | 52,2<br><i>39,12</i> | 50,8<br><i>40,37</i> | 49,3<br><i>41,51</i> | 47,8<br><i>42,42</i> | 46,1<br><i>43,16</i> | 41,8<br><i>44,26</i> | 36,9<br><i>45,12</i> |                      |
| <b>100-200A</b> | 55       | 250M          | 64,4<br><i>24,80</i>           | 64,8<br><i>34,31</i> | 64,6<br><i>35,51</i>  | 64,3<br><i>36,72</i>  | 64,0<br><i>37,32</i>  | 63,7<br><i>37,94</i> | 63,4<br><i>38,56</i> | 63,1<br><i>39,16</i> | 62,3<br><i>40,45</i> | 61,4<br><i>41,65</i> | 60,2<br><i>43,02</i> | 58,9<br><i>44,31</i> | 57,5<br><i>45,63</i> | 56,1<br><i>46,97</i> | 54,7<br><i>48,14</i> | 53,2<br><i>49,15</i> | 49,3<br><i>50,77</i> | 44,5<br><i>52,16</i> | 39,4<br><i>52,86</i> |
| <b>100-250C</b> | 55<br>75 | 250M<br>280S  | 79,9<br><i>25,58</i>           |                      | 81,0<br><i>43,12</i>  | 80,7<br><i>44,90</i>  | 80,6<br><i>45,79</i>  | 80,4<br><i>46,68</i> | 80,2<br><i>47,57</i> | 79,9<br><i>48,46</i> | 79,4<br><i>50,21</i> | 78,7<br><i>51,90</i> | 77,7<br><i>53,93</i> | 76,5<br><i>55,86</i> | 74,9<br><i>57,68</i> | 73,1<br><i>59,39</i> | 70,9<br><i>60,96</i> | 68,6<br><i>62,44</i> | 64,1<br><i>65,30</i> |                      |                      |
| <b>100-250B</b> | 75       | 280S          | 90,0<br><i>29,82</i>           |                      | 89,9<br><i>49,11</i>  | 89,6<br><i>51,23</i>  | 89,4<br><i>52,27</i>  | 89,2<br><i>53,30</i> | 89,0<br><i>54,32</i> | 88,8<br><i>55,34</i> | 88,2<br><i>57,27</i> | 87,6<br><i>58,98</i> | 86,8<br><i>60,82</i> | 85,9<br><i>62,59</i> | 84,7<br><i>64,38</i> | 83,3<br><i>66,22</i> | 81,0<br><i>68,39</i> | 78,4<br><i>70,55</i> | 73,2<br><i>73,87</i> | 70,9<br><i>77,92</i> |                      |
| <b>100-250A</b> | 90       | 280M          | 100,5<br><i>32,74</i>          |                      | 100,7<br><i>54,04</i> | 100,3<br><i>56,39</i> | 100,1<br><i>57,55</i> | 99,8<br><i>58,71</i> | 99,5<br><i>59,90</i> | 99,2<br><i>61,08</i> | 98,4<br><i>63,34</i> | 97,6<br><i>65,30</i> | 96,4<br><i>67,40</i> | 95,0<br><i>69,46</i> | 93,2<br><i>71,65</i> | 91,2<br><i>73,82</i> | 89,3<br><i>75,81</i> | 87,1<br><i>77,67</i> | 81,8<br><i>81,17</i> | 78,7<br><i>85,71</i> | 74,0<br><i>88,00</i> |



# 4CA-4CAX

## Centrifugal Flanged EN 733

| TYPE -<br>60 Hz | P2   | Motor<br>Size                         | Q (m³/h - l/min)    |                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |  |
|-----------------|------|---------------------------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--|
|                 |      |                                       | 0                   | 1,5                | 3                   | 4,5                 | 6                   | 7,5                 | 9                   | 10,5                | 12                  | 15                  | 18                  | 21                 |  |
|                 |      |                                       | 0                   | 25                 | 50                  | 75                  | 100                 | 125                 | 150                 | 175                 | 200                 | 250                 | 300                 | 350                |  |
|                 | kW   | H (m)<br><i>pump input power (kW)</i> |                     |                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |  |
| 32-160C         | 0,37 | 71B                                   | 5,9<br><i>0,15</i>  | 5,9<br><i>0,18</i> | 5,8<br><i>0,20</i>  | 5,5<br><i>0,22</i>  | 5,3<br><i>0,24</i>  | 4,8<br><i>0,26</i>  | 4,3<br><i>0,28</i>  | 3,5<br><i>0,28</i>  | 2,6<br><i>0,29</i>  |                     |                     |                    |  |
| 32-160B         | 0,37 | 71B                                   | 7,2<br><i>0,18</i>  | 7,2<br><i>0,21</i> | 7,1<br><i>0,24</i>  | 6,7<br><i>0,27</i>  | 6,4<br><i>0,29</i>  | 5,9<br><i>0,31</i>  | 5,3<br><i>0,33</i>  | 4,6<br><i>0,34</i>  | 3,6<br><i>0,36</i>  |                     |                     |                    |  |
| 32-160A         | 0,55 | 80A                                   | 8,8<br><i>0,22</i>  | 8,8<br><i>0,26</i> | 8,7<br><i>0,29</i>  | 8,5<br><i>0,31</i>  | 8,2<br><i>0,35</i>  | 7,9<br><i>0,37</i>  | 7,4<br><i>0,39</i>  | 6,9<br><i>0,41</i>  | 6,1<br><i>0,43</i>  | 4,0<br><i>0,45</i>  |                     |                    |  |
| 32-200C         | 0,75 | 80B                                   | 11,0<br><i>0,26</i> |                    | 10,8<br><i>0,39</i> | 10,6<br><i>0,43</i> | 10,2<br><i>0,47</i> | 9,9<br><i>0,51</i>  | 9,4<br><i>0,54</i>  | 8,9<br><i>0,57</i>  | 8,4<br><i>0,59</i>  | 6,7<br><i>0,66</i>  | 4,2<br><i>0,71</i>  |                    |  |
| 32-200B         | 1,1  | 90S                                   | 13,0<br><i>0,38</i> |                    | 12,7<br><i>0,47</i> | 12,5<br><i>0,51</i> | 12,2<br><i>0,56</i> | 11,7<br><i>0,61</i> | 11,2<br><i>0,66</i> | 10,6<br><i>0,70</i> | 10,1<br><i>0,74</i> | 8,7<br><i>0,78</i>  | 6,3<br><i>0,81</i>  |                    |  |
| 32-200A         | 1,1  | 90S                                   | 15,9<br><i>0,44</i> |                    | 15,7<br><i>0,53</i> | 15,5<br><i>0,57</i> | 15,3<br><i>0,66</i> | 15,0<br><i>0,71</i> | 14,5<br><i>0,77</i> | 13,8<br><i>0,82</i> | 13,2<br><i>0,88</i> | 11,7<br><i>0,98</i> | 9,5<br><i>1,04</i>  | 6,8<br><i>1,10</i> |  |
| 32-250C         | 1,5  | 90L                                   | 17,5<br><i>0,55</i> |                    | 17,2<br><i>0,75</i> | 16,9<br><i>0,79</i> | 16,6<br><i>0,85</i> | 16,2<br><i>0,90</i> | 15,7<br><i>0,95</i> | 15,1<br><i>1,00</i> | 14,4<br><i>1,04</i> | 12,5<br><i>1,09</i> | 10,0<br><i>1,18</i> | 6,5<br><i>1,21</i> |  |
| 32-250B         | 1,5  | 90L                                   | 20,3<br><i>0,75</i> |                    | 20,0<br><i>0,87</i> | 19,7<br><i>0,93</i> | 19,4<br><i>1,00</i> | 19,0<br><i>1,06</i> | 18,4<br><i>1,14</i> | 17,8<br><i>1,19</i> | 17,0<br><i>1,24</i> | 15,3<br><i>1,33</i> | 12,6<br><i>1,39</i> | 8,3<br><i>1,42</i> |  |
| 32-250A         | 2,2  | 100L                                  | 22,6<br><i>0,80</i> |                    | 22,2<br><i>0,95</i> | 21,9<br><i>1,03</i> | 21,6<br><i>1,10</i> | 21,3<br><i>1,18</i> | 20,7<br><i>1,24</i> | 20,0<br><i>1,30</i> | 18,9<br><i>1,36</i> | 17,2<br><i>1,46</i> | 14,8<br><i>1,52</i> | 9,1<br><i>1,55</i> |  |

| TYPE -<br>60 Hz | P2           | Motor<br>Size                         | Q (m³/h - l/min)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |
|-----------------|--------------|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
|                 |              |                                       | 0                   | 4,5                 | 6                   | 7,5                 | 9                   | 10,5                | 12                  | 15                  | 18                  | 21                  | 24                  | 27                  | 30                  | 33                 |
|                 |              |                                       | 0                   | 75                  | 100                 | 125                 | 150                 | 175                 | 200                 | 250                 | 300                 | 350                 | 400                 | 450                 | 500                 | 550                |
|                 | kW           | H (m)<br><i>pump input power (kW)</i> |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |
| 40-125C         | 0,37         | 71B                                   | 4,2<br><i>0,15</i>  | 4,4<br><i>0,18</i>  | 4,3<br><i>0,19</i>  | 4,2<br><i>0,21</i>  | 4,1<br><i>0,23</i>  | 4,0<br><i>0,23</i>  | 3,8<br><i>0,25</i>  | 3,4<br><i>0,26</i>  | 2,8<br><i>0,27</i>  | 2,0<br><i>0,29</i>  |                     |                     |                     |                    |
| 40-125B         | 0,37         | 71B                                   | 5,4<br><i>0,19</i>  | 5,5<br><i>0,22</i>  | 5,5<br><i>0,25</i>  | 5,4<br><i>0,26</i>  | 5,3<br><i>0,28</i>  | 5,2<br><i>0,29</i>  | 5,0<br><i>0,31</i>  | 4,6<br><i>0,34</i>  | 4,0<br><i>0,35</i>  | 3,3<br><i>0,37</i>  |                     |                     |                     |                    |
| 40-125A         | 0,55         | 80A                                   | 6,2<br><i>0,23</i>  | 6,3<br><i>0,28</i>  | 6,3<br><i>0,30</i>  | 6,2<br><i>0,32</i>  | 6,1<br><i>0,34</i>  | 6,0<br><i>0,36</i>  | 5,8<br><i>0,38</i>  | 5,4<br><i>0,40</i>  | 4,9<br><i>0,43</i>  | 4,2<br><i>0,44</i>  | 3,4<br><i>0,46</i>  |                     |                     |                    |
| 40-160B         | 0,55         | 80A                                   | 7,4<br><i>0,21</i>  | 7,5<br><i>0,29</i>  | 7,6<br><i>0,34</i>  | 7,4<br><i>0,37</i>  | 7,2<br><i>0,40</i>  | 7,0<br><i>0,42</i>  | 6,8<br><i>0,43</i>  | 6,1<br><i>0,45</i>  | 4,9<br><i>0,47</i>  | 3,7<br><i>0,48</i>  | 2,5<br><i>0,47</i>  |                     |                     |                    |
| 40-160A         | 0,75         | 80B                                   | 8,8<br><i>0,23</i>  | 8,9<br><i>0,34</i>  | 9,0<br><i>0,38</i>  | 8,9<br><i>0,41</i>  | 8,7<br><i>0,45</i>  | 8,5<br><i>0,47</i>  | 8,3<br><i>0,49</i>  | 7,5<br><i>0,53</i>  | 6,6<br><i>0,57</i>  | 5,6<br><i>0,59</i>  | 4,5<br><i>0,60</i>  |                     |                     |                    |
| 40-160AP        | 0,75<br>1,10 | 80B<br>90S                            | 11,1<br><i>0,32</i> | 11,1<br><i>0,47</i> | 11,3<br><i>0,52</i> | 11,3<br><i>0,56</i> | 11,1<br><i>0,60</i> | 10,9<br><i>0,64</i> | 10,6<br><i>0,67</i> | 10,0<br><i>0,72</i> | 9,0<br><i>0,77</i>  | 8,0<br><i>0,81</i>  | 6,8<br><i>0,84</i>  |                     |                     |                    |
| 40-200B         | 1,1          | 90S                                   | 11,3<br><i>0,36</i> |                     | 11,4<br><i>0,52</i> | 11,3<br><i>0,56</i> | 11,1<br><i>0,60</i> | 10,8<br><i>0,64</i> | 10,5<br><i>0,68</i> | 9,6<br><i>0,75</i>  | 8,5<br><i>0,78</i>  | 6,9<br><i>0,81</i>  | 4,7<br><i>0,84</i>  |                     |                     |                    |
| 40-200A         | 1,1          | 90S                                   | 13,8<br><i>0,37</i> |                     | 13,9<br><i>0,64</i> | 13,8<br><i>0,72</i> | 13,6<br><i>0,74</i> | 13,4<br><i>0,79</i> | 13,2<br><i>0,82</i> | 12,3<br><i>0,91</i> | 11,3<br><i>0,99</i> | 10,0<br><i>1,06</i> | 8,3<br><i>1,13</i>  |                     |                     |                    |
| 40-200AP        | 1,1<br>1,5   | 90S<br>90L                            | 14,8<br><i>0,41</i> |                     | 14,9<br><i>0,69</i> | 14,8<br><i>0,79</i> | 14,6<br><i>0,81</i> | 14,4<br><i>0,86</i> | 14,2<br><i>0,90</i> | 13,3<br><i>0,99</i> | 12,3<br><i>1,08</i> | 11,0<br><i>1,16</i> | 9,4<br><i>1,23</i>  |                     |                     |                    |
| 40-250C         | 1,5          | 90L                                   | 15,7<br><i>0,61</i> |                     |                     |                     | 15,2<br><i>0,93</i> | 15,0<br><i>0,98</i> | 14,7<br><i>1,04</i> | 14,0<br><i>1,14</i> | 12,8<br><i>1,22</i> | 11,1<br><i>1,32</i> | 9,1<br><i>1,38</i>  | 6,6<br><i>1,45</i>  |                     |                    |
| 40-250B         | 2,2          | 100L                                  | 18,3<br><i>0,73</i> |                     |                     |                     | 18,2<br><i>1,13</i> | 17,9<br><i>1,19</i> | 17,7<br><i>1,24</i> | 17,1<br><i>1,39</i> | 16,2<br><i>1,51</i> | 14,9<br><i>1,62</i> | 12,9<br><i>1,73</i> | 10,7<br><i>1,82</i> | 8,3<br><i>1,89</i>  |                    |
| 40-250A         | 2,2          | 100L                                  | 20,9<br><i>0,89</i> |                     |                     |                     | 20,8<br><i>1,32</i> | 20,6<br><i>1,40</i> | 20,4<br><i>1,47</i> | 19,8<br><i>1,62</i> | 19,0<br><i>1,75</i> | 17,9<br><i>1,88</i> | 16,3<br><i>2,00</i> | 14,1<br><i>2,10</i> | 11,5<br><i>2,21</i> | 8,4<br><i>2,31</i> |

| TYPE -<br>60 Hz | P2   | Motor<br>Size                | Q (m³/h - l/min)    |                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |
|-----------------|------|------------------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
|                 |      |                              | 0                   | 9                  | 10,5                | 12                  | 15                  | 18                  | 21                  | 24                  | 27                  | 30                  | 33                  | 36                  | 39                  | 42                  | 45                  | 48                  | 54                 |
|                 |      |                              | 0                   | 150                | 175                 | 200                 | 250                 | 300                 | 350                 | 400                 | 450                 | 500                 | 550                 | 600                 | 650                 | 700                 | 750                 | 800                 | 900                |
|                 | kW   | H (m)                        |                     |                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |
|                 |      | <i>pump input power (kW)</i> |                     |                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |
| 50-125B         | 0,55 | 80A                          | 5,3<br><i>0,15</i>  | 5,5<br><i>0,23</i> | 5,5<br><i>0,25</i>  | 5,4<br><i>0,28</i>  | 5,3<br><i>0,32</i>  | 5,1<br><i>0,38</i>  | 4,9<br><i>0,40</i>  | 4,7<br><i>0,44</i>  | 4,4<br><i>0,45</i>  | 4,1<br><i>0,46</i>  | 3,6<br><i>0,47</i>  | 3,1<br><i>0,47</i>  | 2,6<br><i>0,48</i>  | 2,1<br><i>0,49</i>  |                     |                     |                    |
| 50-125A         | 0,75 | 80B                          | 6,2<br><i>0,23</i>  | 6,4<br><i>0,38</i> | 6,4<br><i>0,39</i>  | 6,3<br><i>0,41</i>  | 6,3<br><i>0,44</i>  | 6,1<br><i>0,48</i>  | 6,0<br><i>0,51</i>  | 5,8<br><i>0,55</i>  | 5,5<br><i>0,59</i>  | 5,2<br><i>0,62</i>  | 4,8<br><i>0,63</i>  | 4,4<br><i>0,64</i>  | 3,9<br><i>0,64</i>  | 2,9<br><i>0,63</i>  |                     |                     |                    |
| 50-160B         | 0,75 | 80B                          | 7,9<br><i>0,23</i>  | 8<br><i>0,43</i>   | 7,9<br><i>0,45</i>  | 7,8<br><i>0,47</i>  | 7,7<br><i>0,51</i>  | 7,3<br><i>0,56</i>  | 6,9<br><i>0,60</i>  | 6,4<br><i>0,63</i>  | 5,9<br><i>0,65</i>  | 5,3<br><i>0,66</i>  | 4,7<br><i>0,67</i>  | 4<br><i>0,68</i>    | 3,2<br><i>0,68</i>  | 2,3<br><i>0,67</i>  |                     |                     |                    |
| 50-160A         | 1,1  | 90S                          | 9,4<br><i>0,34</i>  | 9,4<br><i>0,55</i> | 9,4<br><i>0,57</i>  | 9,3<br><i>0,59</i>  | 9,2<br><i>0,65</i>  | 9<br><i>0,72</i>    | 8,7<br><i>0,77</i>  | 8,3<br><i>0,80</i>  | 7,8<br><i>0,82</i>  | 7,2<br><i>0,84</i>  | 6,7<br><i>0,86</i>  | 6<br><i>0,87</i>    | 5,4<br><i>0,88</i>  | 4,7<br><i>0,88</i>  | 3,9<br><i>0,89</i>  | 3,1<br><i>0,88</i>  |                    |
| 50-200C         | 1,1  | 90S                          | 12,0<br><i>0,39</i> | 12<br><i>0,63</i>  | 11,8<br><i>0,68</i> | 11,7<br><i>0,72</i> | 11,2<br><i>0,79</i> | 10,7<br><i>0,83</i> | 10<br><i>0,86</i>   | 9,3<br><i>0,89</i>  | 8,2<br><i>0,91</i>  | 7,2<br><i>0,93</i>  | 6<br><i>0,94</i>    | 4,6<br><i>0,94</i>  | 3,2<br><i>0,95</i>  |                     |                     |                     |                    |
| 50-200B         | 1,5  | 90L                          | 13,1<br><i>0,48</i> |                    | 13,1<br><i>0,77</i> | 13,1<br><i>0,83</i> | 12,7<br><i>0,92</i> | 12,2<br><i>1,02</i> | 11,6<br><i>1,09</i> | 10,9<br><i>1,14</i> | 10,0<br><i>1,18</i> | 9,2<br><i>1,22</i>  | 8,2<br><i>1,24</i>  | 7,0<br><i>1,27</i>  | 5,7<br><i>1,27</i>  | 4,2<br><i>1,27</i>  |                     |                     |                    |
| 50-200A         | 1,5  | 90L                          | 14,8<br><i>0,54</i> |                    | 14,7<br><i>0,87</i> | 14,5<br><i>0,92</i> | 14,4<br><i>1,03</i> | 13,9<br><i>1,14</i> | 13,4<br><i>1,22</i> | 12,7<br><i>1,28</i> | 11,9<br><i>1,32</i> | 11,0<br><i>1,36</i> | 10,0<br><i>1,40</i> | 8,9<br><i>1,43</i>  | 7,6<br><i>1,45</i>  | 6,3<br><i>1,47</i>  | 4,6<br><i>1,48</i>  |                     |                    |
| 50-250C         | 2,2  | 100L                         | 17,9<br><i>0,58</i> |                    |                     | 17,7<br><i>1,24</i> | 17,4<br><i>1,32</i> | 16,9<br><i>1,47</i> | 16,4<br><i>1,59</i> | 15,8<br><i>1,71</i> | 14,9<br><i>1,80</i> | 14,2<br><i>1,89</i> | 13,4<br><i>1,97</i> | 12,4<br><i>2,04</i> | 11,0<br><i>2,10</i> | 9,5<br><i>2,16</i>  | 7,5<br><i>2,22</i>  |                     |                    |
| 50-250B         | 3    | 100L                         | 19,9<br><i>0,79</i> |                    |                     |                     | 19,6<br><i>1,58</i> | 19,1<br><i>1,72</i> | 18,8<br><i>1,85</i> | 18,2<br><i>1,97</i> | 17,5<br><i>2,07</i> | 16,7<br><i>2,19</i> | 15,7<br><i>2,28</i> | 14,6<br><i>2,37</i> | 13,6<br><i>2,45</i> | 12,0<br><i>2,52</i> | 10,4<br><i>2,58</i> | 8,2<br><i>2,64</i>  |                    |
| 50-250A         | 4    | 112M                         | 23,0<br><i>0,90</i> |                    |                     |                     | 22,7<br><i>1,84</i> | 22,5<br><i>2,07</i> | 22,2<br><i>2,21</i> | 21,8<br><i>2,42</i> | 21,1<br><i>2,60</i> | 20,4<br><i>2,78</i> | 19,5<br><i>2,95</i> | 18,7<br><i>3,12</i> | 17,7<br><i>3,28</i> | 16,6<br><i>3,43</i> | 15,2<br><i>3,53</i> | 13,4<br><i>3,62</i> | 8,4<br><i>3,74</i> |



| TYPE -<br>60 Hz      | P2  | Motor<br>Size                         | Q (m³/h - l/min)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|----------------------|-----|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                      |     |                                       | 0                   | 18                  | 21                  | 24                  | 27                  | 30                  | 33                  | 36                  | 39                  | 42                  | 45                  | 48                  | 54                  | 60                  | 66                  | 72                  | 78                  | 84                  | 90                  | 96                  |
|                      |     |                                       | 0                   | 300                 | 350                 | 400                 | 450                 | 500                 | 550                 | 600                 | 650                 | 700                 | 750                 | 800                 | 900                 | 1000                | 1100                | 1200                | 1300                | 1400                | 1500                | 1600                |
|                      | kW  | H (m)<br><i>pump input power (kW)</i> |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 50-315C<br>No EN 733 | 5,5 | 132M                                  | 24,4<br><i>1.64</i> | 24,7<br><i>2.58</i> | 24,7<br><i>2.77</i> | 24,6<br><i>2.96</i> | 24,5<br><i>3.15</i> | 24,3<br><i>3.33</i> | 24,0<br><i>3.50</i> | 23,7<br><i>3.66</i> | 23,4<br><i>3.82</i> | 23,1<br><i>3.96</i> | 22,8<br><i>4.11</i> | 22,5<br><i>4.24</i> | 21,9<br><i>4.51</i> | 21,1<br><i>4.77</i> | 20,2<br><i>5.01</i> | 19,2<br><i>5.23</i> | 18,1<br><i>5.43</i> | 16,8<br><i>5.62</i> |                     |                     |
| 50-315B<br>No EN 733 | 7,5 | 132M                                  | 31,3<br><i>2.35</i> | 31,4<br><i>3.54</i> | 31,4<br><i>3.78</i> | 31,3<br><i>4.01</i> | 31,3<br><i>4.24</i> | 31,2<br><i>4.47</i> | 30,9<br><i>4.68</i> | 30,6<br><i>4.89</i> | 30,3<br><i>5.08</i> | 29,9<br><i>5.27</i> | 29,5<br><i>5.46</i> | 29,1<br><i>5.64</i> | 28,2<br><i>5.99</i> | 27,3<br><i>6.32</i> | 26,5<br><i>6.61</i> | 25,5<br><i>6.89</i> | 24,4<br><i>7.14</i> | 23,1<br><i>7.37</i> | 21,6<br><i>7.58</i> |                     |
| 50-315A<br>No EN 733 | 11  | 160M                                  | 37,5<br><i>3.06</i> | 37,2<br><i>4.39</i> | 37,2<br><i>4.65</i> | 37,1<br><i>4.92</i> | 37,0<br><i>5.18</i> | 36,9<br><i>5.45</i> | 36,7<br><i>5.72</i> | 36,5<br><i>5.97</i> | 36,3<br><i>6.22</i> | 36,0<br><i>6.45</i> | 35,6<br><i>6.68</i> | 35,2<br><i>6.90</i> | 34,3<br><i>7.31</i> | 33,3<br><i>7.69</i> | 32,1<br><i>8.04</i> | 30,9<br><i>8.37</i> | 29,7<br><i>8.69</i> | 28,4<br><i>8.96</i> | 26,9<br><i>9.18</i> | 25,1<br><i>9.37</i> |

| TYPE -<br>60 Hz | P2       | Motor<br>Size | Q (m³/h - l/min)               |             |             |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |             |
|-----------------|----------|---------------|--------------------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
|                 |          |               | 0                              | 18          | 21          | 24          | 27           | 30           | 33           | 36           | 39           | 42           | 45           | 48           | 54           | 60           | 66           | 72           | 78           | 84           | 90          |
|                 |          |               | 0                              | 300         | 350         | 400         | 450          | 500          | 550          | 600          | 650          | 700          | 750          | 800          | 900          | 1000         | 1100         | 1200         | 1300         | 1400         | 1500        |
|                 | kW       |               | H (m)<br>pump input power (kW) |             |             |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |             |
| 65-125B         | 0,75     | 80M           | 4,9<br>0,31                    | 5,1<br>0,48 | 5,1<br>0,50 | 5,0<br>0,53 | 5,0<br>0,55  | 4,9<br>0,57  | 4,7<br>0,60  | 4,6<br>0,63  | 4,5<br>0,64  | 4,3<br>0,66  | 4,0<br>0,67  | 3,8<br>0,68  | 3,3<br>0,69  | 2,8<br>0,68  |              |              |              |              |             |
| 65-125A         | 1,1      | 90S           | 6,1<br>0,40                    | 6,3<br>0,60 | 6,2<br>0,63 | 6,1<br>0,66 | 6,1<br>0,69  | 6,0<br>0,73  | 5,9<br>0,76  | 5,8<br>0,79  | 5,7<br>0,80  | 5,5<br>0,82  | 5,3<br>0,83  | 5,0<br>0,85  | 4,7<br>0,86  | 4,3<br>0,88  | 3,7<br>0,88  | 3,0          |              |              |             |
| 65-160C         | 1,5      | 90L           | 7,3<br>0,44                    |             |             | 7,6<br>0,80 | 7,5<br>0,85  | 7,3<br>0,89  | 7,2<br>0,93  | 7,0<br>0,96  | 6,8<br>0,99  | 6,7<br>1,01  | 6,4<br>1,02  | 6,2<br>1,04  | 5,7<br>1,07  | 5,1<br>1,12  | 4,4<br>1,13  | 3,6<br>1,13  | 2,9<br>1,13  |              |             |
| 65-160B         | 1,5      | 90L           | 8,4<br>0,47                    |             |             | 8,6<br>0,86 | 8,4<br>0,90  | 8,3<br>0,95  | 8,2<br>1,01  | 8,0<br>1,06  | 7,8<br>1,11  | 7,6<br>1,14  | 7,4<br>1,17  | 7,2<br>1,19  | 6,5<br>1,25  | 5,9<br>1,28  | 5,2<br>1,31  | 4,4<br>1,33  | 3,6<br>1,34  |              |             |
| 65-160A         | 2,2      | 100L          | 9,8<br>0,66                    |             |             | 9,9<br>1,06 | 9,9<br>1,14  | 9,8<br>1,20  | 9,6<br>1,25  | 9,5<br>1,30  | 9,3<br>1,34  | 9,1<br>1,39  | 8,9<br>1,42  | 8,7<br>1,46  | 8,2<br>1,52  | 7,6<br>1,58  | 6,8<br>1,63  | 6,1<br>1,67  | 5,3<br>1,72  | 4,6<br>1,72  |             |
| 65-200C         | 2,2      | 100L          | 11,0<br>0,48                   |             |             |             | 11,6<br>1,26 | 11,5<br>1,35 | 11,4<br>1,44 | 11,3<br>1,53 | 11,2<br>1,60 | 10,9<br>1,66 | 10,5<br>1,72 | 10,3<br>1,79 | 9,7<br>1,90  | 9,1<br>1,96  | 8,3<br>2,01  | 7,4<br>2,06  | 6,5<br>2,11  | 5,0<br>2,14  |             |
| 65-200B         | 3        | 100L          | 12,3<br>0,69                   |             |             |             | 13,1<br>1,45 | 13,0<br>1,51 | 12,8<br>1,61 | 12,7<br>1,70 | 12,5<br>1,77 | 12,3<br>1,88 | 12,1<br>1,95 | 11,9<br>2,01 | 11,3<br>2,11 | 10,6<br>2,21 | 10,0<br>2,29 | 9,0<br>2,36  | 8,0<br>2,42  | 7,0<br>2,48  |             |
| 65-200A         | 3        | 100L          | 14,0<br>1,12                   |             |             |             | 14,8<br>1,74 | 14,7<br>1,82 | 14,6<br>1,92 | 14,5<br>2,02 | 14,2<br>2,10 | 14,0<br>2,18 | 13,9<br>2,26 | 13,7<br>2,34 | 13,3<br>2,48 | 12,7<br>2,59 | 12,0<br>2,70 | 11,3<br>2,81 | 10,3<br>2,91 | 9,3<br>3,00  |             |
| 65-250B         | 4<br>5,5 | 112M<br>132S  | 20,6<br>1,42                   |             |             |             | 21,0<br>2,87 | 20,8<br>2,98 | 20,4<br>3,18 | 20,1<br>3,38 | 19,8<br>3,50 | 19,3<br>3,61 | 18,8<br>3,70 | 18,4<br>3,78 | 17,3<br>3,87 | 16,0<br>3,97 | 14,5<br>4,07 | 12,9<br>4,17 | 11,2<br>4,19 | 8,7<br>4,21  |             |
| 65-250A         | 5,5      | 132S          | 22,8<br>1,58                   |             |             |             |              | 22,9<br>3,41 | 22,5<br>3,56 | 22,1<br>3,70 | 21,7<br>3,79 | 21,4<br>3,88 | 20,9<br>4,00 | 20,4<br>4,11 | 19,2<br>4,31 | 18,0<br>4,44 | 16,9<br>4,58 | 15,4<br>4,71 | 13,6<br>4,75 | 11,5<br>4,79 | 8,8<br>4,80 |

| TYPE -<br>60 Hz | P2  | Motor<br>Size                         | Q (m³/h - l/min)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |  |  |
|-----------------|-----|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|--|
|                 |     |                                       | 0                   | 27                  | 30                  | 33                  | 36                  | 39                  | 42                  | 45                  | 48                  | 54                  | 60                  | 66                  | 72                  | 78                  | 84                  | 90                  | 96                  | 102                  | 108                  | 114                  | 120                  | 126                  | 132                  | 138                  |  |  |
|                 |     |                                       | 0                   | 450                 | 500                 | 550                 | 600                 | 650                 | 700                 | 750                 | 800                 | 900                 | 1000                | 1100                | 1200                | 1300                | 1400                | 1500                | 1600                | 1700                 | 1800                 | 1900                 | 2000                 | 2100                 | 2200                 | 2300                 |  |  |
|                 | kW  | H (m)<br><i>pump input power (kW)</i> |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |  |  |
| 65-315CM        | 7,5 | 132M                                  | 22,2<br><i>1,82</i> | 23,3<br><i>3,30</i> | 23,3<br><i>3,46</i> | 23,2<br><i>3,63</i> | 23,1<br><i>3,79</i> | 23,0<br><i>3,95</i> | 22,9<br><i>4,11</i> | 22,8<br><i>4,27</i> | 22,6<br><i>4,42</i> | 22,1<br><i>4,72</i> | 21,6<br><i>5,02</i> | 21,2<br><i>5,30</i> | 20,7<br><i>5,57</i> | 20,2<br><i>5,84</i> | 19,6<br><i>6,10</i> | 18,9<br><i>6,36</i> | 18,2<br><i>6,60</i> | 17,4<br><i>6,84</i>  | 16,5<br><i>7,06</i>  | 15,6<br><i>7,27</i>  | 14,5<br><i>7,47</i>  | 13,5<br><i>7,66</i>  |                      |                      |  |  |
| 65-315BM        | 11  | 160M                                  | 27,4<br><i>2,47</i> | 28,2<br><i>4,17</i> | 28,2<br><i>4,37</i> | 28,2<br><i>4,58</i> | 28,2<br><i>4,78</i> | 28,1<br><i>4,98</i> | 28,0<br><i>5,17</i> | 27,8<br><i>5,36</i> | 27,6<br><i>5,54</i> | 27,2<br><i>5,91</i> | 26,7<br><i>6,26</i> | 26,2<br><i>6,60</i> | 25,7<br><i>6,93</i> | 25,2<br><i>7,26</i> | 24,6<br><i>7,57</i> | 24,1<br><i>7,88</i> | 23,4<br><i>8,18</i> | 22,7<br><i>8,47</i>  | 21,8<br><i>8,76</i>  | 20,8<br><i>9,03</i>  | 19,8<br><i>9,29</i>  | 18,9<br><i>9,54</i>  | 18,1<br><i>9,78</i>  |                      |  |  |
| 65-315AM        | 11  | 160M                                  | 32,9<br><i>3,20</i> | 33,4<br><i>5,15</i> | 33,4<br><i>5,38</i> | 33,4<br><i>5,60</i> | 33,3<br><i>5,83</i> | 33,3<br><i>6,04</i> | 33,2<br><i>6,25</i> | 33,1<br><i>6,46</i> | 32,9<br><i>6,67</i> | 32,3<br><i>7,12</i> | 31,8<br><i>7,55</i> | 31,2<br><i>7,97</i> | 30,6<br><i>8,36</i> | 30,0<br><i>8,75</i> | 29,4<br><i>9,10</i> | 28,7<br><i>9,44</i> | 28,1<br><i>9,77</i> | 27,3<br><i>10,10</i> | 26,4<br><i>10,44</i> | 25,4<br><i>10,78</i> | 24,2<br><i>11,11</i> | 23,2<br><i>11,41</i> | 22,1<br><i>11,68</i> | 20,9<br><i>11,94</i> |  |  |

| TYPE -<br>60 Hz | P2  | Motor<br>Size | Q (m³/h - l/min)               |             |             |             |             |             |              |              |              |              |              |              |              |              |              |
|-----------------|-----|---------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                 |     |               | 0                              | 24          | 27          | 30          | 33          | 36          | 42           | 48           | 60           | 72           | 84           | 96           | 102          | 108          | 120          |
|                 |     |               | 0                              | 400         | 450         | 500         | 550         | 600         | 700          | 800          | 1000         | 1200         | 1400         | 1600         | 1700         | 1800         | 2000         |
|                 | kW  |               | H (m)<br>pump input power (kW) |             |             |             |             |             |              |              |              |              |              |              |              |              |              |
| 80-160E         | 1,1 | 90S           | 5,5<br>0,35                    | 5,7<br>0,71 | 5,7<br>0,74 | 5,7<br>0,74 | 5,6<br>0,78 | 5,4<br>0,81 | 5,1<br>0,88  | 4,9<br>0,90  | 4,2<br>0,97  | 3,8<br>1,02  | 2,8<br>1,02  | 2,2<br>1,00  |              |              |              |
| 80-160D         | 1,5 | 90L           | 6,3<br>0,61                    |             | 6,8<br>0,89 | 6,7<br>0,91 | 6,6<br>0,95 | 6,5<br>0,98 | 6,3<br>1,04  | 6,1<br>1,10  | 5,5<br>1,19  | 4,8<br>1,25  | 4<br>1,28    | 3,1<br>1,30  | 2,6<br>1,29  |              |              |
| 80-160C         | 1,5 | 90L           | 7,0<br>0,67                    |             |             | 7,4<br>1,04 | 7,3<br>1,08 | 7,3<br>1,12 | 7,1<br>1,18  | 6,8<br>1,25  | 6,4<br>1,35  | 5,7<br>1,42  | 4,9<br>1,47  | 4<br>1,48    | 3,5<br>1,48  | 3,1<br>1,48  |              |
| 80-160B         | 2,2 | 100L          | 8,5<br>0,62                    |             |             |             | 8,9<br>1,29 | 8,9<br>1,35 | 8,7<br>1,43  | 8,5<br>1,51  | 8,0<br>1,72  | 7,5<br>1,87  | 6,8<br>1,95  | 5,7<br>2,01  | 5,2<br>2,02  | 4,7<br>2,04  | 3,5<br>2,04  |
| 80-160A         | 3   | 100L          | 9,3<br>1,09                    |             |             |             |             | 9,8<br>1,60 | 9,7<br>1,71  | 9,5<br>1,81  | 9,1<br>2,01  | 8,6<br>2,14  | 7,9<br>2,27  | 7,1<br>2,34  | 6,6<br>2,37  | 6,2<br>2,39  | 5,0<br>2,42  |
| 80-200B         | 4   | 112M          | 12,2<br>1,35                   |             |             |             |             |             | 13,1<br>2,43 | 12,9<br>2,59 | 12,4<br>2,91 | 11,9<br>3,18 | 11,4<br>3,40 | 10,7<br>3,55 | 10,2<br>3,62 | 9,6<br>3,69  | 8,2<br>3,79  |
| 80-200A         | 5,5 | 132S          | 13,7<br>1,51                   |             |             |             |             |             | 14,9<br>2,81 | 14,8<br>2,99 | 14,3<br>3,33 | 13,8<br>3,62 | 13,2<br>3,85 | 12,5<br>4,05 | 12,0<br>4,15 | 11,5<br>4,23 | 10,3<br>4,38 |
| 80-250B         | 5,5 | 132S          | 19,1<br>1,76                   |             |             |             |             |             | 19,2<br>3,67 | 19,1<br>3,93 | 18,5<br>4,49 | 17,9<br>4,98 | 17,2<br>5,35 | 16,2<br>5,63 | 15,7<br>5,75 | 15,1<br>5,86 | 13,7<br>6,05 |
| 80-250A         | 7,5 | 132M          | 22,3<br>2,22                   |             |             |             |             |             | 23,0<br>4,45 | 22,7<br>4,74 | 22,1<br>5,32 | 21,4<br>5,83 | 20,4<br>6,22 | 19,2<br>6,59 | 18,6<br>6,76 | 18,0<br>6,91 | 16,8<br>7,17 |



## 4CA-4CAX ~ EN 733

| TYPE -<br>60 Hz | P2 | Motor<br>Size                         | Q (m³/h - l/min)    |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |    |                                       | 0                   | 42                  | 48                  | 60                  | 72                  | 84                   | 96                   | 102                  | 108                  | 120                  | 132                  | 144                  | 150                  | 156                  | 168                  |
|                 |    |                                       | 0                   | 700                 | 800                 | 1000                | 1200                | 1400                 | 1600                 | 1700                 | 1800                 | 2000                 | 2200                 | 2400                 | 2500                 | 2600                 | 2800                 |
|                 | kW | H (m)<br><i>pump input power (kW)</i> |                     |                     |                     |                     |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 80-315B         | 11 | 160M                                  | 27,7<br><i>2,99</i> | 28,3<br><i>5,48</i> | 28,2<br><i>5,88</i> | 27,9<br><i>6,67</i> | 27,2<br><i>7,42</i> | 26,4<br><i>8,09</i>  | 25,4<br><i>8,67</i>  | 24,9<br><i>8,95</i>  | 24,4<br><i>9,21</i>  | 23,3<br><i>9,74</i>  | 21,9<br><i>10,28</i> | 20,5<br><i>10,66</i> | 19,9<br><i>10,85</i> |                      |                      |
| 80-315A         | 15 | 160L                                  | 34,5<br><i>4,29</i> | 35,0<br><i>7,30</i> | 34,9<br><i>7,78</i> | 34,6<br><i>8,75</i> | 34,0<br><i>9,66</i> | 33,3<br><i>10,53</i> | 32,4<br><i>11,37</i> | 31,9<br><i>11,77</i> | 31,3<br><i>12,17</i> | 30,1<br><i>12,91</i> | 28,8<br><i>13,50</i> | 27,3<br><i>14,05</i> | 26,4<br><i>14,31</i> | 25,5<br><i>14,56</i> | 23,7<br><i>15,04</i> |

| TYPE -<br>60 Hz | P2                                    | Motor<br>Size | Q (m³/h - l/min)    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                      |                      |                      |
|-----------------|---------------------------------------|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|
|                 |                                       |               | 0                   | 48                  | 60                  | 72                  | 84                  | 96                  | 102                 | 108                 | 120                 | 132                 | 144                 | 150                 | 156                 | 168                 | 180                  | 192                  | 204                  |
|                 |                                       |               | 0                   | 800                 | 1000                | 1200                | 1400                | 1600                | 1700                | 1800                | 2000                | 2200                | 2400                | 2500                | 2600                | 2800                | 3000                 | 3200                 | 3400                 |
|                 | H (m)<br><i>pump input power (kW)</i> |               |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                      |                      |                      |
| 100-200D        | 4                                     | 112M          | 10,7<br><i>2,82</i> | 10,4<br><i>3,09</i> | 10,2<br><i>3,29</i> | 9,8<br><i>3,39</i>  | 9,4<br><i>3,44</i>  | 8,7<br><i>3,46</i>  | 8,4<br><i>3,48</i>  | 8,1<br><i>3,49</i>  | 7,5<br><i>3,55</i>  | 6,9<br><i>3,60</i>  | 6,1<br><i>3,69</i>  | 5,7<br><i>3,71</i>  | 5,3<br><i>3,72</i>  | 4,4<br><i>3,70</i>  |                      |                      |                      |
| 100-200C        | 5,5                                   | 132S          | 12,5<br><i>3,03</i> | 12,5<br><i>3,54</i> | 12,3<br><i>3,88</i> | 12,0<br><i>4,02</i> | 11,5<br><i>4,13</i> | 10,9<br><i>4,18</i> | 10,6<br><i>4,21</i> | 10,3<br><i>4,24</i> | 9,7<br><i>4,35</i>  | 9,1<br><i>4,45</i>  | 8,3<br><i>4,52</i>  | 8,0<br><i>4,54</i>  | 7,4<br><i>4,57</i>  | 6,5<br><i>4,58</i>  |                      |                      |                      |
| 100-200B        | 5,5                                   | 132S          | 14,3<br><i>2,81</i> | 14,3<br><i>3,57</i> | 14,2<br><i>3,82</i> | 13,9<br><i>4,07</i> | 13,5<br><i>4,32</i> | 13,0<br><i>4,56</i> | 12,7<br><i>4,66</i> | 12,4<br><i>4,76</i> | 11,9<br><i>4,94</i> | 11,2<br><i>5,07</i> | 10,5<br><i>5,16</i> | 10,0<br><i>5,20</i> | 9,6<br><i>5,23</i>  | 8,6<br><i>5,26</i>  | 7,6<br><i>5,27</i>   |                      |                      |
| 100-200A        | 7,5                                   | 132M          | 15,9<br><i>3,12</i> | 16,0<br><i>4,06</i> | 15,9<br><i>4,35</i> | 15,7<br><i>4,63</i> | 15,3<br><i>4,93</i> | 14,9<br><i>5,25</i> | 14,6<br><i>5,40</i> | 14,4<br><i>5,54</i> | 13,9<br><i>5,80</i> | 13,3<br><i>6,00</i> | 12,7<br><i>6,15</i> | 12,3<br><i>6,20</i> | 11,9<br><i>6,26</i> | 10,9<br><i>6,36</i> | 9,9<br><i>6,43</i>   | 8,8<br><i>6,47</i>   |                      |
| 100-250E        | 7,5                                   | 132M          | 18,0<br><i>3,08</i> |                     | 18,1<br><i>4,89</i> | 18,0<br><i>5,29</i> | 17,7<br><i>5,67</i> | 17,3<br><i>6,02</i> | 17,1<br><i>6,19</i> | 16,8<br><i>6,37</i> | 16,0<br><i>6,70</i> | 15,1<br><i>6,99</i> | 14,2<br><i>7,24</i> | 13,7<br><i>7,35</i> | 13,1<br><i>7,45</i> | 12,0<br><i>7,61</i> | 10,6<br><i>7,73</i>  |                      |                      |
| 100-250D        | 7,5<br>11                             | 132M<br>160M  | 21,2<br><i>3,40</i> |                     | 21,1<br><i>5,67</i> | 20,8<br><i>6,13</i> | 20,5<br><i>6,55</i> | 20,1<br><i>6,92</i> | 19,8<br><i>7,10</i> | 19,5<br><i>7,27</i> | 18,8<br><i>7,60</i> | 17,9<br><i>7,94</i> | 16,8<br><i>8,25</i> | 16,3<br><i>8,38</i> | 15,7<br><i>8,49</i> | 14,5<br><i>8,69</i> | 13,2<br><i>8,85</i>  | 11,8<br><i>9,00</i>  |                      |
| 100-250A        | 11                                    | 160M          | 24,3<br><i>3,97</i> |                     | 23,9<br><i>6,41</i> | 23,6<br><i>6,94</i> | 23,2<br><i>7,44</i> | 22,7<br><i>7,90</i> | 22,4<br><i>8,12</i> | 22,1<br><i>8,32</i> | 21,4<br><i>8,70</i> | 20,6<br><i>9,06</i> | 19,5<br><i>9,40</i> | 19,0<br><i>9,55</i> | 18,3<br><i>9,69</i> | 17,0<br><i>9,92</i> | 15,6<br><i>10,11</i> | 14,2<br><i>10,27</i> | 12,7<br><i>10,43</i> |

| TYPE -<br>60 Hz | P2   | Motor<br>Size                         | Q (m³/h - l/min)    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|------|---------------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |      |                                       | 0                   | 72                   | 84                   | 96                   | 102                  | 108                  | 120                  | 132                  | 144                  | 150                  | 156                  | 168                  | 180                  | 192                  | 204                  | 216                  |
|                 |      |                                       | 0                   | 1200                 | 1400                 | 1600                 | 1700                 | 1800                 | 2000                 | 2200                 | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3200                 | 3400                 | 3600                 |
|                 | kW   | H (m)<br><i>pump input power (kW)</i> |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 100-315B        | 15   | 160L                                  | 31,1<br><i>5,27</i> | 31,5<br><i>9,67</i>  | 30,7<br><i>10,42</i> | 29,8<br><i>11,09</i> | 29,3<br><i>11,41</i> | 28,9<br><i>11,71</i> | 27,9<br><i>12,27</i> | 26,9<br><i>12,79</i> | 26,0<br><i>13,27</i> | 25,5<br><i>13,50</i> | 25,0<br><i>13,72</i> | 23,8<br><i>14,12</i> | 22,4<br><i>14,50</i> | 20,7<br><i>14,84</i> | 19,0<br><i>15,14</i> | 17,3<br><i>15,39</i> |
| 100-315A        | 18,5 | 180M                                  | 36,3<br><i>6,29</i> | 36,8<br><i>11,39</i> | 36,0<br><i>12,31</i> | 35,0<br><i>13,12</i> | 34,5<br><i>13,49</i> | 34,0<br><i>13,84</i> | 33,1<br><i>14,51</i> | 32,2<br><i>15,12</i> | 31,2<br><i>15,69</i> | 30,7<br><i>15,97</i> | 30,1<br><i>16,23</i> | 29,0<br><i>16,76</i> | 27,7<br><i>17,26</i> | 26,2<br><i>17,71</i> | 24,5<br><i>18,11</i> | 22,7<br><i>18,46</i> |

| TYPE -<br>60 Hz | P2 | Motor<br>Size                         | Q (m³/h - l/min)     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |    |                                       | 0                    | 84                   | 96                   | 102                  | 108                  | 120                  | 132                  | 144                  | 150                  | 156                  | 168                  | 180                  | 192                  | 204                  | 216                  | 228                  | 240                  | 252                  |
|                 |    |                                       | 0                    | 1400                 | 1600                 | 1700                 | 1800                 | 2000                 | 2200                 | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3200                 | 3400                 | 3600                 | 3800                 | 4000                 | 4200                 |
|                 | kW | H (m)<br><i>pump input power (kW)</i> |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 100-400C        | 22 | 180L                                  | 41,8<br><i>7,59</i>  | 41,2<br><i>14,71</i> | 40,2<br><i>15,77</i> | 39,6<br><i>16,29</i> | 39,1<br><i>16,77</i> | 38,0<br><i>17,58</i> | 36,9<br><i>18,31</i> | 35,8<br><i>19,06</i> | 35,2<br><i>19,42</i> | 34,6<br><i>19,78</i> | 33,4<br><i>20,48</i> | 32,2<br><i>21,14</i> | 30,7<br><i>21,72</i> | 29,1<br><i>22,24</i> | 27,3<br><i>22,71</i> | 25,5<br><i>23,18</i> |                      |                      |
| 100-400B        | 30 | 200L                                  | 50,0<br><i>9,48</i>  | 49,1<br><i>18,22</i> | 48,4<br><i>19,48</i> | 47,9<br><i>20,10</i> | 47,5<br><i>20,70</i> | 46,4<br><i>21,84</i> | 45,2<br><i>22,92</i> | 44,0<br><i>23,89</i> | 43,3<br><i>24,35</i> | 42,2<br><i>24,80</i> | 41,5<br><i>25,66</i> | 40,3<br><i>26,49</i> | 38,9<br><i>27,38</i> | 37,3<br><i>28,21</i> | 35,6<br><i>28,88</i> | 33,8<br><i>29,47</i> | 31,8<br><i>30,00</i> |                      |
| 100-400A        | 37 | 225S                                  | 58,6<br><i>11,70</i> | 57,5<br><i>21,90</i> | 56,7<br><i>23,46</i> | 56,3<br><i>24,23</i> | 55,8<br><i>24,96</i> | 54,8<br><i>26,30</i> | 53,6<br><i>27,56</i> | 52,4<br><i>28,74</i> | 51,7<br><i>29,31</i> | 51,1<br><i>29,87</i> | 49,7<br><i>31,02</i> | 48,3<br><i>32,13</i> | 47,2<br><i>33,18</i> | 46,1<br><i>34,16</i> | 44,6<br><i>35,04</i> | 42,6<br><i>35,79</i> | 40,5<br><i>36,47</i> | 38,5<br><i>37,10</i> |

| TYPE -<br>60 Hz | P2 | Motor<br>Size                         | Q (m³/h - l/min)    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----|---------------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |    |                                       | 0                   | 102                  | 108                  | 120                  | 132                  | 144                  | 150                  | 156                  | 168                  | 180                  | 192                  | 204                  | 216                  | 228                  | 240                  | 252                  | 276                  |
|                 |    |                                       | 0                   | 1700                 | 1800                 | 2000                 | 2200                 | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3200                 | 3400                 | 3600                 | 3800                 | 4000                 | 4200                 | 4600                 |
|                 | kW | H (m)<br><i>pump input power (kW)</i> |                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 125-250B        | 11 | 160M                                  | 21,0<br><i>7,40</i> | 21,9<br><i>9,38</i>  | 21,6<br><i>9,50</i>  | 20,9<br><i>9,70</i>  | 20,1<br><i>9,88</i>  | 19,4<br><i>10,09</i> | 19,0<br><i>10,20</i> | 18,5<br><i>10,31</i> | 17,9<br><i>10,52</i> | 17,1<br><i>10,72</i> | 16,2<br><i>10,89</i> | 15,1<br><i>11,03</i> | 13,9<br><i>11,12</i> | 12,6<br><i>11,16</i> | 11,5<br><i>11,15</i> | 10,2<br><i>11,08</i> |                      |
| 125-250A        | 15 | 160L                                  | 25,0<br><i>8,48</i> | 26,4<br><i>11,32</i> | 26,1<br><i>11,53</i> | 25,6<br><i>11,92</i> | 25,0<br><i>12,25</i> | 24,3<br><i>12,57</i> | 24,0<br><i>12,75</i> | 23,8<br><i>12,96</i> | 23,2<br><i>13,41</i> | 22,5<br><i>13,79</i> | 21,7<br><i>14,13</i> | 20,8<br><i>14,41</i> | 19,8<br><i>14,64</i> | 18,7<br><i>14,84</i> | 17,5<br><i>15,01</i> | 16,3<br><i>15,13</i> | 13,7<br><i>15,22</i> |



| TYPE -<br>60 Hz | P2 | Motor<br>Size | Q (m³/h - l/min)               |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----|---------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |    |               | 0                              | 120                  | 132                  | 144                  | 150                  | 156                  | 168                  | 180                  | 192                  | 204                  | 216                  | 228                  | 240                  | 252                  | 276                  | 348                  | 372                  | 396                  |
|                 |    |               | 0                              | 2000                 | 2200                 | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3200                 | 3400                 | 3600                 | 3800                 | 4000                 | 4200                 | 4600                 | 5800                 | 6200                 | 6600                 |
|                 |    |               | H (m)<br>pump input power (kW) |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 125-315C        | 22 | 180L          | 22,7<br><i>7,94</i>            | 24,6<br><i>13,06</i> | 24,4<br><i>13,61</i> | 24,1<br><i>14,19</i> | 24,0<br><i>14,49</i> | 23,8<br><i>14,79</i> | 23,5<br><i>15,40</i> | 23,2<br><i>16,00</i> | 22,8<br><i>16,61</i> | 22,5<br><i>17,20</i> | 22,2<br><i>17,76</i> | 21,9<br><i>18,30</i> | 21,4<br><i>18,80</i> | 20,8<br><i>19,26</i> | 19,1<br><i>20,06</i> | 12,3<br><i>21,35</i> |                      |                      |
| 125-315B        | 30 | 200L          | 30,1<br><i>10,95</i>           | 31,9<br><i>17,09</i> | 31,9<br><i>17,84</i> | 31,7<br><i>18,58</i> | 31,6<br><i>18,96</i> | 31,5<br><i>19,35</i> | 31,3<br><i>20,17</i> | 31,0<br><i>21,04</i> | 30,6<br><i>21,89</i> | 30,3<br><i>22,64</i> | 30,0<br><i>23,31</i> | 29,7<br><i>23,94</i> | 29,3<br><i>24,60</i> | 28,9<br><i>25,31</i> | 27,8<br><i>26,68</i> | 22,2<br><i>29,64</i> | 20,3<br><i>30,62</i> |                      |
| 125-315A        | 37 | 225S          | 34,7<br><i>12,41</i>           | 37,1<br><i>20,09</i> | 37,2<br><i>21,03</i> | 37,1<br><i>22,01</i> | 37,0<br><i>22,50</i> | 36,9<br><i>22,99</i> | 36,7<br><i>23,95</i> | 36,4<br><i>24,86</i> | 36,1<br><i>25,74</i> | 35,8<br><i>26,59</i> | 35,5<br><i>27,39</i> | 35,1<br><i>28,13</i> | 34,7<br><i>28,85</i> | 34,3<br><i>29,57</i> | 33,3<br><i>31,09</i> | 28,9<br><i>35,18</i> | 26,8<br><i>36,24</i> |                      |
| 125-400C        | 45 | 225M          | 46,2<br><i>13,91</i>           | 47,6<br><i>24,65</i> | 47,5<br><i>25,83</i> | 47,2<br><i>27,03</i> | 47,0<br><i>27,62</i> | 46,9<br><i>28,20</i> | 46,5<br><i>29,31</i> | 46,1<br><i>30,30</i> | 45,7<br><i>31,22</i> | 45,2<br><i>32,17</i> | 44,7<br><i>33,24</i> | 44,2<br><i>34,42</i> | 43,7<br><i>35,62</i> | 43,2<br><i>36,73</i> | 42,4<br><i>38,53</i> | 36,5<br><i>43,95</i> | 33,8<br><i>45,52</i> |                      |
| 125-400B        | 55 | 250M          | 53,4<br><i>16,79</i>           | 54,5<br><i>28,74</i> | 54,3<br><i>30,15</i> | 54,1<br><i>31,55</i> | 54,0<br><i>32,25</i> | 53,9<br><i>32,94</i> | 53,5<br><i>34,30</i> | 53,2<br><i>35,60</i> | 52,7<br><i>36,85</i> | 52,3<br><i>38,07</i> | 51,7<br><i>39,30</i> | 51,2<br><i>40,56</i> | 50,6<br><i>41,82</i> | 50,0<br><i>43,06</i> | 48,8<br><i>45,43</i> | 44,6<br><i>51,75</i> | 42,0<br><i>53,55</i> | 39,1<br><i>55,27</i> |
| 125-400A        | 75 | 280S          | 58,6<br><i>18,95</i>           | 59,5<br><i>31,66</i> | 59,4<br><i>33,20</i> | 59,2<br><i>34,74</i> | 59,1<br><i>35,52</i> | 59,0<br><i>36,29</i> | 58,7<br><i>37,81</i> | 58,3<br><i>39,30</i> | 57,8<br><i>40,77</i> | 57,4<br><i>42,22</i> | 56,8<br><i>43,66</i> | 56,3<br><i>45,09</i> | 55,7<br><i>46,50</i> | 55,1<br><i>47,87</i> | 53,9<br><i>50,49</i> | 49,9<br><i>57,63</i> | 47,2<br><i>59,76</i> | 45,0<br><i>61,83</i> |

| TYPE -<br>60 Hz | P2 | Motor<br>Size | Q (m³/h - l/min)               |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----|---------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |    |               | 0                              | 144                  | 150                  | 156                  | 168                  | 180                  | 192                  | 204                  | 216                  | 228                  | 240                  | 252                  | 276                  | 348                  | 372                  | 396                  | 444                  | 492                  |
|                 |    |               | 0                              | 2400                 | 2500                 | 2600                 | 2800                 | 3000                 | 3200                 | 3400                 | 3600                 | 3800                 | 4000                 | 4200                 | 4600                 | 5800                 | 6200                 | 6600                 | 7400                 | 8200                 |
|                 |    |               | H (m)<br>pump input power (kW) |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 150-315D        | 30 | 200L          | 23,9<br><i>15,21</i>           | 27,0<br><i>20,50</i> | 27,0<br><i>20,74</i> | 26,9<br><i>20,99</i> | 26,8<br><i>21,50</i> | 26,6<br><i>22,01</i> | 26,4<br><i>22,53</i> | 26,2<br><i>23,04</i> | 25,9<br><i>23,53</i> | 25,6<br><i>24,00</i> | 25,3<br><i>24,44</i> | 25,0<br><i>24,85</i> | 24,3<br><i>25,63</i> | 21,5<br><i>27,81</i> | 20,4<br><i>28,56</i> | 19,2<br><i>29,30</i> | 16,4<br><i>30,78</i> |                      |
| 150-315C        | 37 | 225S          | 28,4<br><i>16,50</i>           | 31,8<br><i>23,70</i> | 31,8<br><i>24,01</i> | 31,8<br><i>24,32</i> | 31,8<br><i>24,94</i> | 31,7<br><i>25,57</i> | 31,5<br><i>26,20</i> | 31,4<br><i>26,82</i> | 31,2<br><i>27,42</i> | 31,0<br><i>28,00</i> | 30,8<br><i>28,55</i> | 30,5<br><i>29,09</i> | 29,9<br><i>30,10</i> | 27,5<br><i>33,00</i> | 26,6<br><i>34,06</i> | 25,7<br><i>35,17</i> | 23,2<br><i>37,00</i> | 19,6<br><i>38,00</i> |
| 150-315B        | 45 | 225M          | 32,2<br><i>18,32</i>           | 36,3<br><i>26,50</i> | 36,3<br><i>26,85</i> | 36,3<br><i>27,21</i> | 36,2<br><i>27,93</i> | 36,1<br><i>28,65</i> | 36,0<br><i>29,37</i> | 35,8<br><i>30,09</i> | 35,6<br><i>30,80</i> | 35,4<br><i>31,50</i> | 35,2<br><i>32,18</i> | 35,0<br><i>32,86</i> | 34,7<br><i>34,19</i> | 32,8<br><i>38,00</i> | 31,8<br><i>39,24</i> | 30,7<br><i>40,48</i> | 28,0<br><i>42,60</i> | 24,5<br><i>44,00</i> |
| 150-315A        | 55 | 250M          | 39,4<br><i>20,63</i>           | 41,0<br><i>30,00</i> | 41,0<br><i>30,40</i> | 40,9<br><i>30,81</i> | 40,8<br><i>31,62</i> | 40,7<br><i>32,44</i> | 40,5<br><i>33,26</i> | 40,4<br><i>34,08</i> | 40,2<br><i>34,89</i> | 40,0<br><i>35,70</i> | 39,8<br><i>36,50</i> | 39,6<br><i>37,30</i> | 39,2<br><i>38,90</i> | 37,6<br><i>43,50</i> | 36,9<br><i>44,94</i> | 36,0<br><i>46,33</i> | 34,1<br><i>49,00</i> | 31,7<br><i>51,50</i> |

| TYPE -<br>60 Hz | P2 | Motor<br>Size | Q (m³/h - l/min)               |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|-----------------|----|---------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                 |    |               | 0                              | 168                  | 180                  | 192                  | 204                  | 216                  | 228                  | 240                  | 252                  | 276                  | 348                  | 372                  | 396                  | 444                  | 492                  | 540                  | 564                  | 588                  |
|                 |    |               | 0                              | 2800                 | 3000                 | 3200                 | 3400                 | 3600                 | 3800                 | 4000                 | 4200                 | 4600                 | 5800                 | 6200                 | 6600                 | 7400                 | 8200                 | 9000                 | 9400                 | 9800                 |
|                 |    |               | H (m)<br>pump input power (kW) |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| 150-400C        | 75 | 280S          | 45,6<br><i>20,78</i>           | 47,8<br><i>35,35</i> | 47,7<br><i>36,41</i> | 47,6<br><i>37,46</i> | 47,4<br><i>38,54</i> | 47,2<br><i>39,58</i> | 47,0<br><i>40,43</i> | 46,7<br><i>41,65</i> | 46,5<br><i>42,62</i> | 45,8<br><i>44,48</i> | 43,9<br><i>50,44</i> | 43,1<br><i>52,51</i> | 42,0<br><i>54,34</i> | 39,2<br><i>57,61</i> | 35,8<br><i>60,59</i> | 31,5<br><i>63,18</i> | 28,7<br><i>64,43</i> |                      |
| 150-400B        | 75 | 280S          | 52,8<br><i>26,57</i>           | 54,4<br><i>41,90</i> | 54,2<br><i>43,10</i> | 53,9<br><i>44,29</i> | 53,7<br><i>45,48</i> | 53,5<br><i>46,65</i> | 53,2<br><i>47,81</i> | 52,9<br><i>48,96</i> | 52,6<br><i>50,10</i> | 51,8<br><i>52,35</i> | 50,3<br><i>58,79</i> | 49,8<br><i>60,86</i> | 48,9<br><i>62,94</i> | 46,1<br><i>66,80</i> | 42,9<br><i>70,20</i> | 39,1<br><i>73,30</i> | 36,7<br><i>74,72</i> | 34,3<br><i>76,14</i> |
| 150-400A        | 90 | 280M          | 59,0<br><i>29,82</i>           | 60,3<br><i>47,01</i> | 60,2<br><i>48,30</i> | 60,0<br><i>49,59</i> | 59,8<br><i>50,88</i> | 59,9<br><i>52,18</i> | 59,4<br><i>53,48</i> | 59,1<br><i>54,78</i> | 58,8<br><i>56,10</i> | 58,1<br><i>58,76</i> | 56,4<br><i>66,15</i> | 56,0<br><i>68,45</i> | 55,3<br><i>70,93</i> | 53,3<br><i>75,79</i> | 50,6<br><i>79,82</i> | 46,7<br><i>83,73</i> | 44,5<br><i>85,61</i> | 42,2<br><i>87,41</i> |



## 4CA-4CAX

### 4CA - 4CAX ~ 1750 rpm

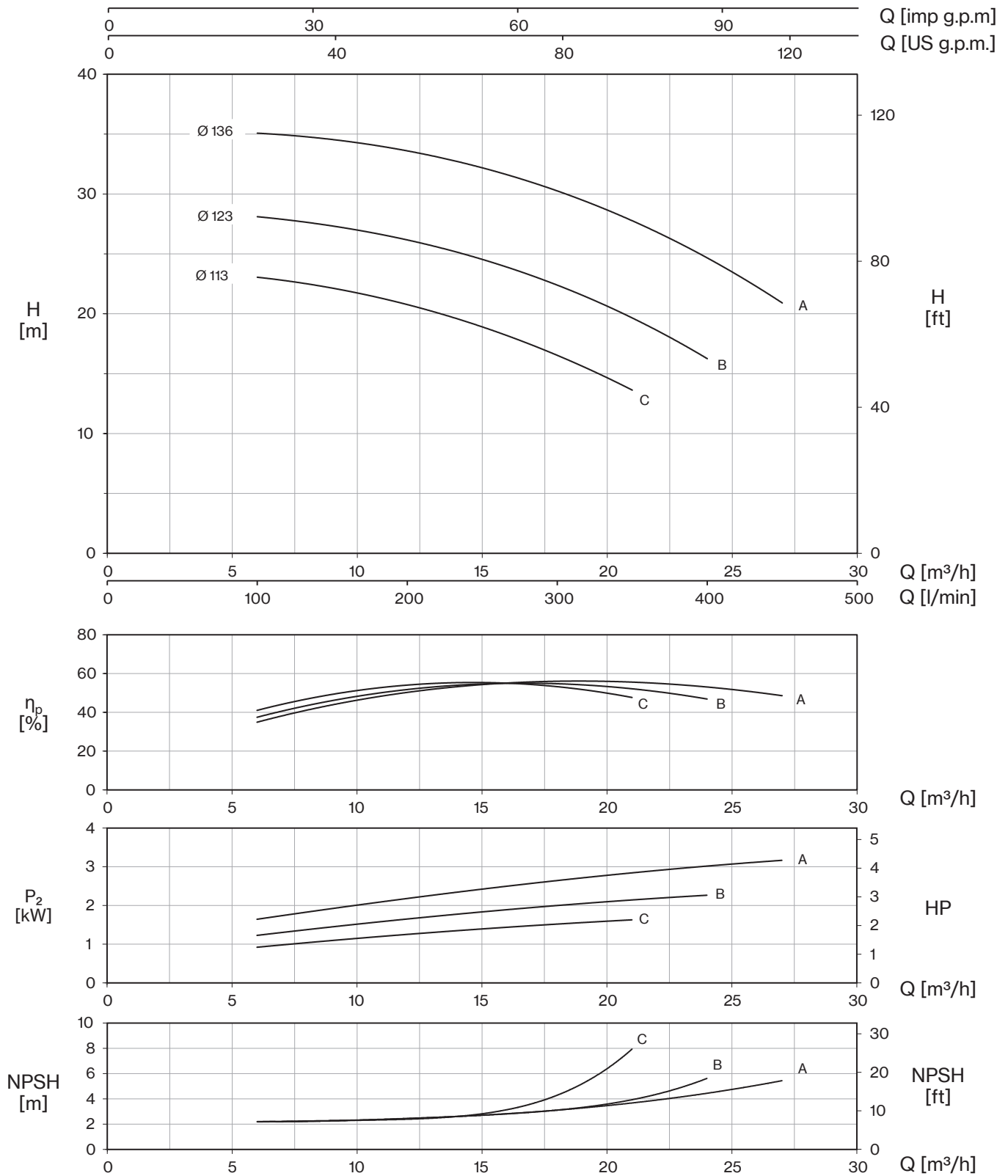
Machines complementing the existing range, not envisaged in the EN 733 standard

| TYPE -<br>60 Hz | P2  | Motor<br>Size                         | Q (m³/h - l/min)     |                      |                      |                      |                       |                       |                       |                       |
|-----------------|-----|---------------------------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                 |     |                                       | 0                    | 200                  | 250                  | 400                  | 600                   | 800                   | 850                   | 900                   |
|                 |     |                                       | 0                    | 3333                 | 4167                 | 6667                 | 10000                 | 13333                 | 14167                 | 15000                 |
|                 | kW  | H (m)<br><i>pump input power (kW)</i> |                      |                      |                      |                      |                       |                       |                       |                       |
| 200-315B        | 55  | 250M                                  | 33,4<br><i>25,04</i> | 33,4<br><i>36,30</i> | 33,2<br><i>38,91</i> | 32,2<br><i>46,32</i> | 28,6<br><i>52,72</i>  | 21,7<br><i>55,67</i>  | 19,4<br><i>55,62</i>  | 16,7<br><i>55,25</i>  |
| 200-315A        | 75  | 280S                                  | 36,3<br><i>27,90</i> | 35,9<br><i>39,49</i> | 35,8<br><i>42,13</i> | 35,0<br><i>50,07</i> | 31,8<br><i>58,82</i>  | 24,9<br><i>62,36</i>  | 22,5<br><i>62,45</i>  | 19,8<br><i>62,15</i>  |
| 200-400C        | 90  | 280M                                  | 43,0<br><i>31,27</i> | 44,1<br><i>45,90</i> | 44,1<br><i>50,14</i> | 43,6<br><i>62,49</i> | 39,9<br><i>77,58</i>  | 31,5<br><i>89,60</i>  |                       |                       |
| 200-400B        | 110 | 315S                                  | 49,5<br><i>40,00</i> | 50,8<br><i>54,29</i> | 51,0<br><i>58,92</i> | 50,6<br><i>73,89</i> | 47,2<br><i>91,32</i>  | 39,5<br><i>105,65</i> | 36,6<br><i>108,43</i> |                       |
| 200-400A        | 132 | 315M                                  | 57,2<br><i>49,00</i> | 58,5<br><i>65,01</i> | 58,6<br><i>70,26</i> | 58,2<br><i>87,26</i> | 55,2<br><i>107,05</i> | 48,2<br><i>124,54</i> | 45,6<br><i>128,46</i> | 44,0<br><i>132,15</i> |

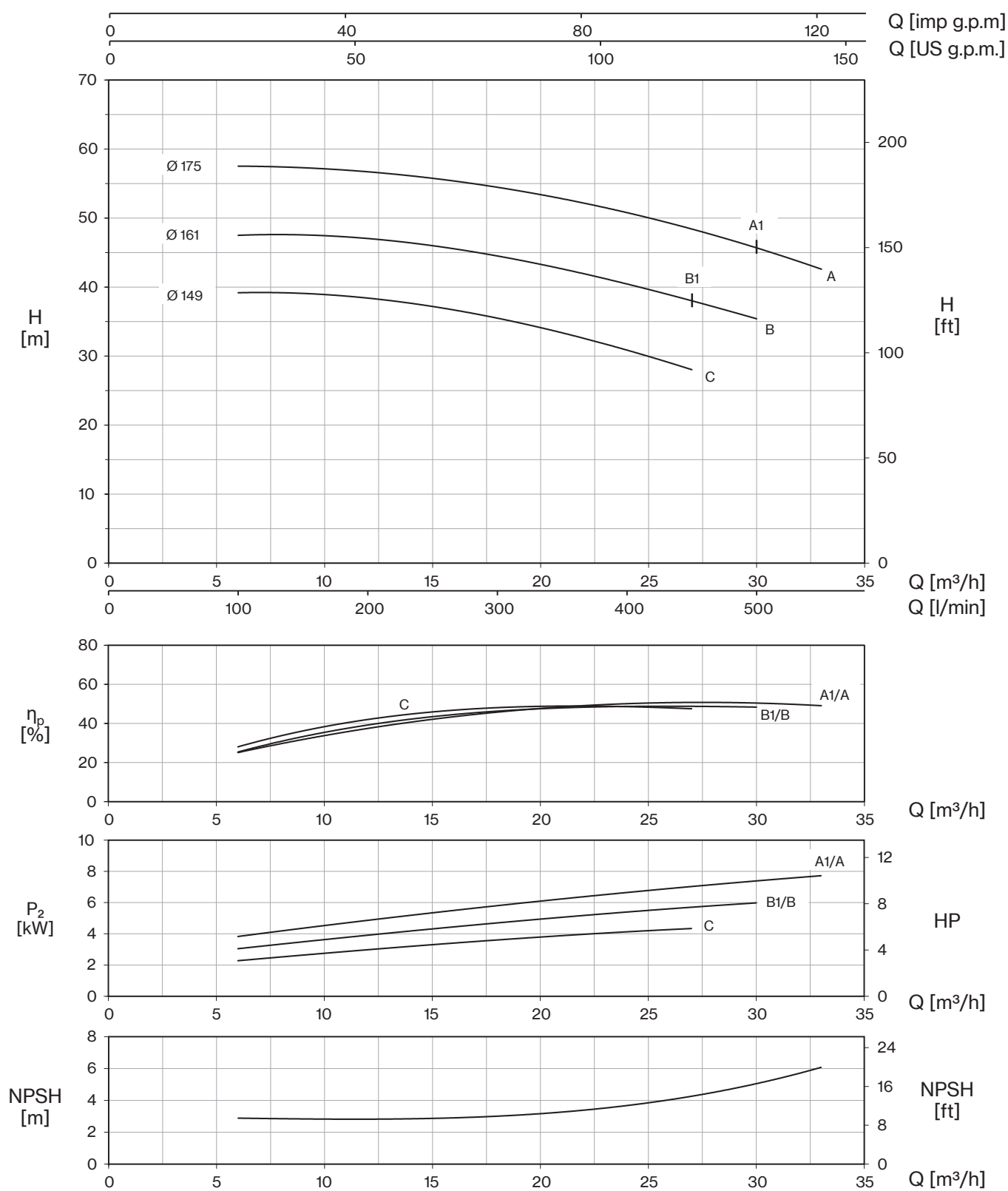
| TYPE -<br>60 Hz | P2  | Motor<br>Size                         | Q (m³/h - l/min)              |                               |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                |       |
|-----------------|-----|---------------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------|
|                 |     |                                       | 0                             | 250                           | 400                            | 600                            | 800                            | 850                            | 900                            | 1100                           | 1170                           | 1200                           | 1300                           | 1400                           | 1500                           | 1600  |
|                 |     |                                       | 0                             | 4167                          | 6667                           | 10000                          | 13333                          | 14167                          | 15000                          | 18333                          | 19500                          | 20000                          | 21667                          | 23333                          | 25000                          | 26667 |
|                 | kW  | H (m)<br><i>pump input power (kW)</i> |                               |                               |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                |       |
| 250-315B        | 75  | 280S                                  | 33,2<br><a href="#">43,46</a> | 33,0<br><a href="#">54,77</a> | 32,7<br><a href="#">61,20</a>  | 31,8<br><a href="#">68,72</a>  | 29,6<br><a href="#">74,57</a>  | 28,6<br><a href="#">75,26</a>  | 27,5<br><a href="#">75,64</a>  | 21,7<br><a href="#">74,47</a>  | 19,0<br><a href="#">73,35</a>  |                                |                                |                                |                                |       |
| 250-315A        | 90  | 280M                                  | 35,8<br><a href="#">46,41</a> | 35,0<br><a href="#">57,61</a> | 34,4<br><a href="#">64,50</a>  | 33,3<br><a href="#">73,28</a>  | 31,3<br><a href="#">78,44</a>  | 30,4<br><a href="#">79,01</a>  | 29,3<br><a href="#">79,32</a>  | 23,0<br><a href="#">78,27</a>  | 20,7<br><a href="#">77,03</a>  | 20,0<br><a href="#">76,36</a>  |                                |                                |                                |       |
| 250-400D        | 110 | 315S                                  | 38,3<br><a href="#">48,00</a> | 39,9<br><a href="#">61,74</a> | 39,9<br><a href="#">71,25</a>  | 39,0<br><a href="#">84,15</a>  | 36,9<br><a href="#">95,73</a>  | 36,1<br><a href="#">98,36</a>  | 35,2<br><a href="#">100,80</a> | 30,6<br><a href="#">108,97</a> | 28,6<br><a href="#">111,27</a> | 27,7<br><a href="#">112,17</a> | 24,3<br><a href="#">114,78</a> |                                |                                |       |
|                 | 132 | 315M                                  | 44,0<br><a href="#">53,83</a> | 45,8<br><a href="#">71,89</a> | 45,9<br><a href="#">83,20</a>  | 44,9<br><a href="#">98,11</a>  | 42,7<br><a href="#">112,06</a> | 42,0<br><a href="#">115,25</a> | 41,2<br><a href="#">118,20</a> | 37,2<br><a href="#">128,07</a> | 35,4<br><a href="#">130,85</a> | 34,5<br><a href="#">131,93</a> | 31,3<br><a href="#">135,08</a> | 27,4<br><a href="#">137,50</a> |                                |       |
| 250-400C        | 160 | 315L                                  | 50,0<br><a href="#">64,57</a> | 51,7<br><a href="#">84,18</a> | 51,8<br><a href="#">97,49</a>  | 51,0<br><a href="#">115,36</a> | 49,0<br><a href="#">131,10</a> | 48,4<br><a href="#">134,76</a> | 47,6<br><a href="#">138,27</a> | 43,9<br><a href="#">151,48</a> | 42,3<br><a href="#">155,58</a> | 41,5<br><a href="#">157,12</a> | 38,5<br><a href="#">161,60</a> | 34,8<br><a href="#">164,88</a> | 30,3<br><a href="#">167,09</a> |       |
|                 | 200 | 315L                                  | 55,7<br><a href="#">70,94</a> | 57,4<br><a href="#">91,89</a> | 57,5<br><a href="#">106,81</a> | 56,5<br><a href="#">127,19</a> | 54,5<br><a href="#">145,00</a> | 53,8<br><a href="#">149,18</a> | 53,0<br><a href="#">153,24</a> | 49,4<br><a href="#">168,92</a> | 47,9<br><a href="#">173,94</a> | 47,1<br><a href="#">175,86</a> | 44,3<br><a href="#">181,62</a> | 40,8<br><a href="#">186,11</a> | 36,6<br><a href="#">189,07</a> |       |
| 250-400A        | 200 | 315L                                  |                               |                               |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                | 31,7<br><a href="#">190,57</a> |       |



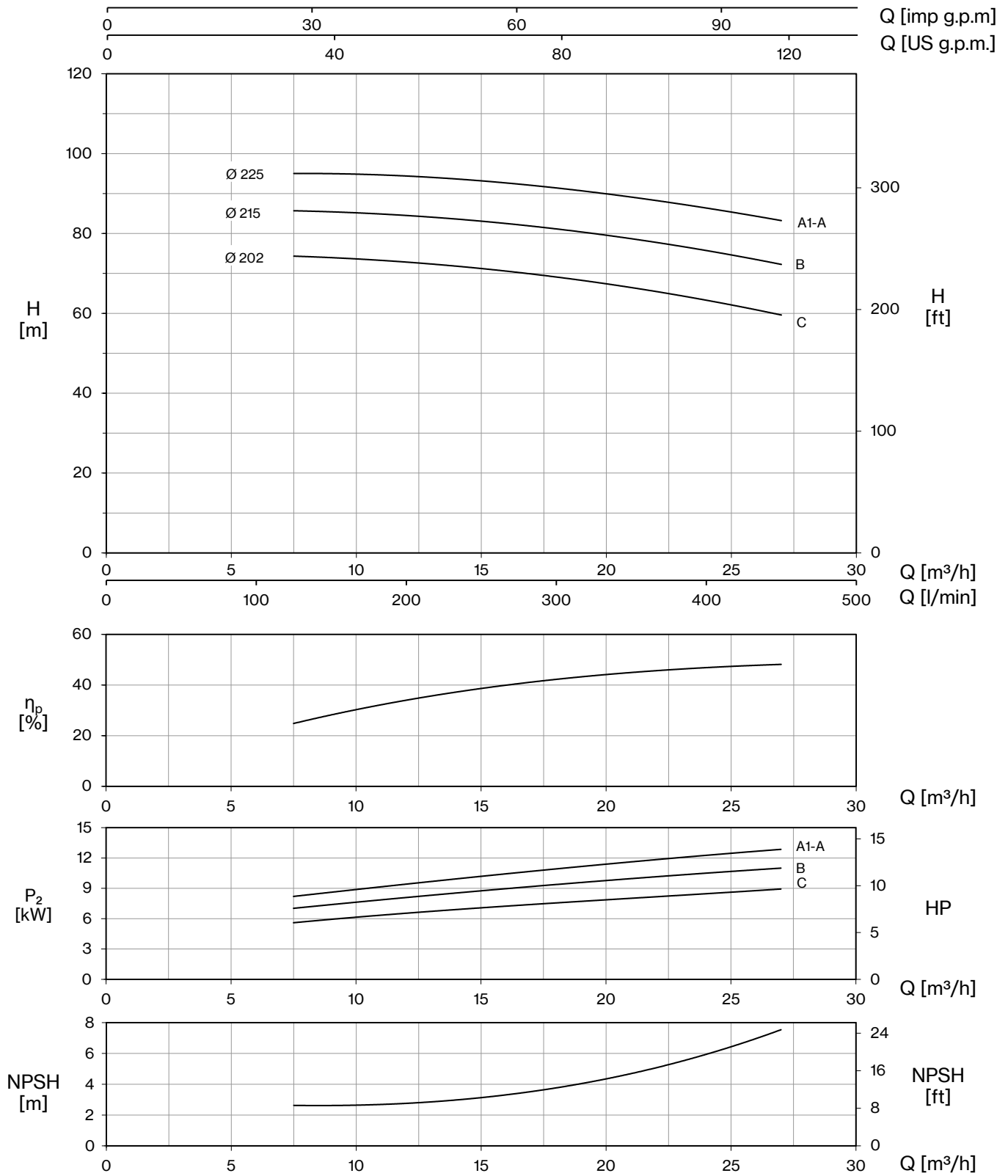
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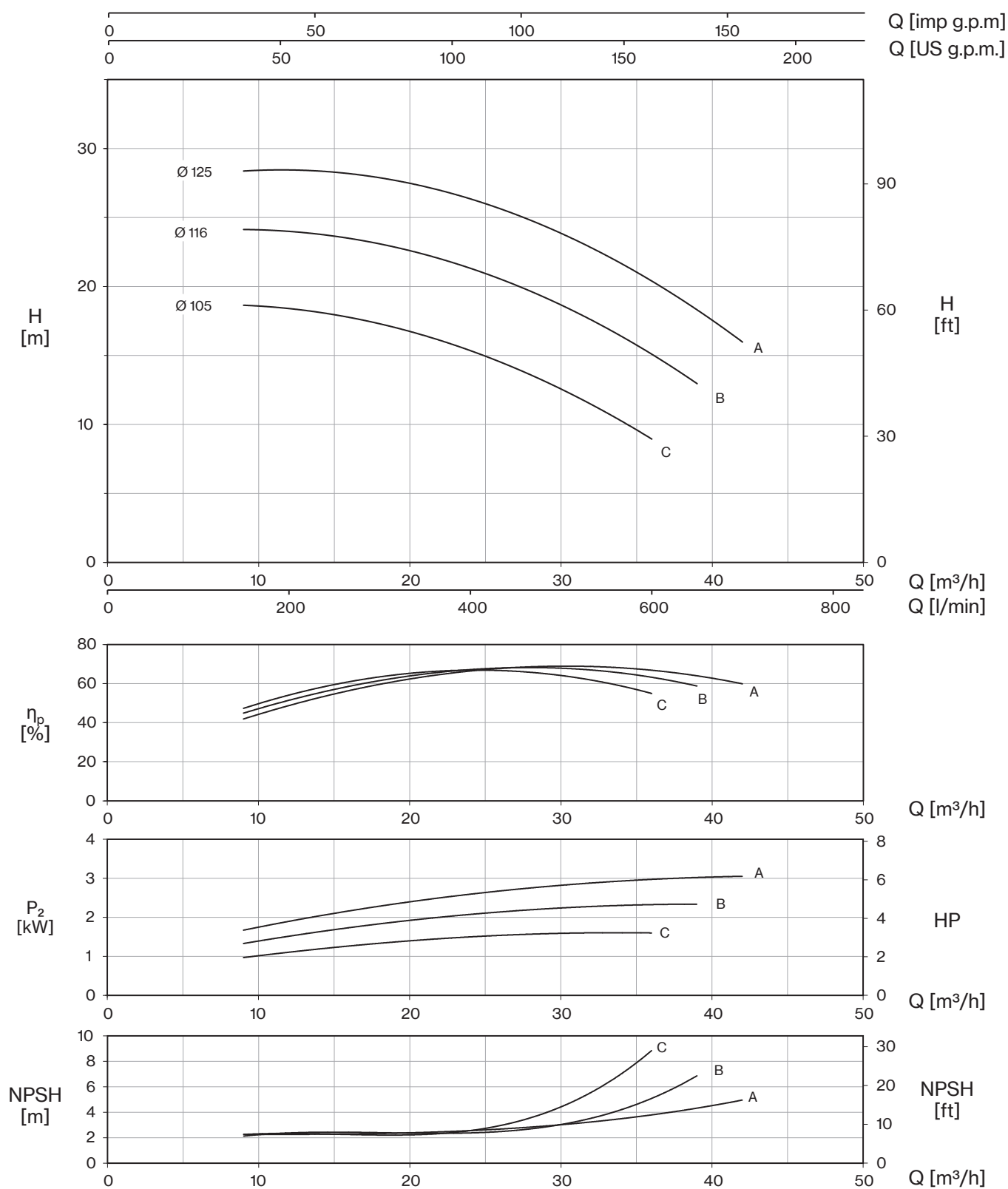
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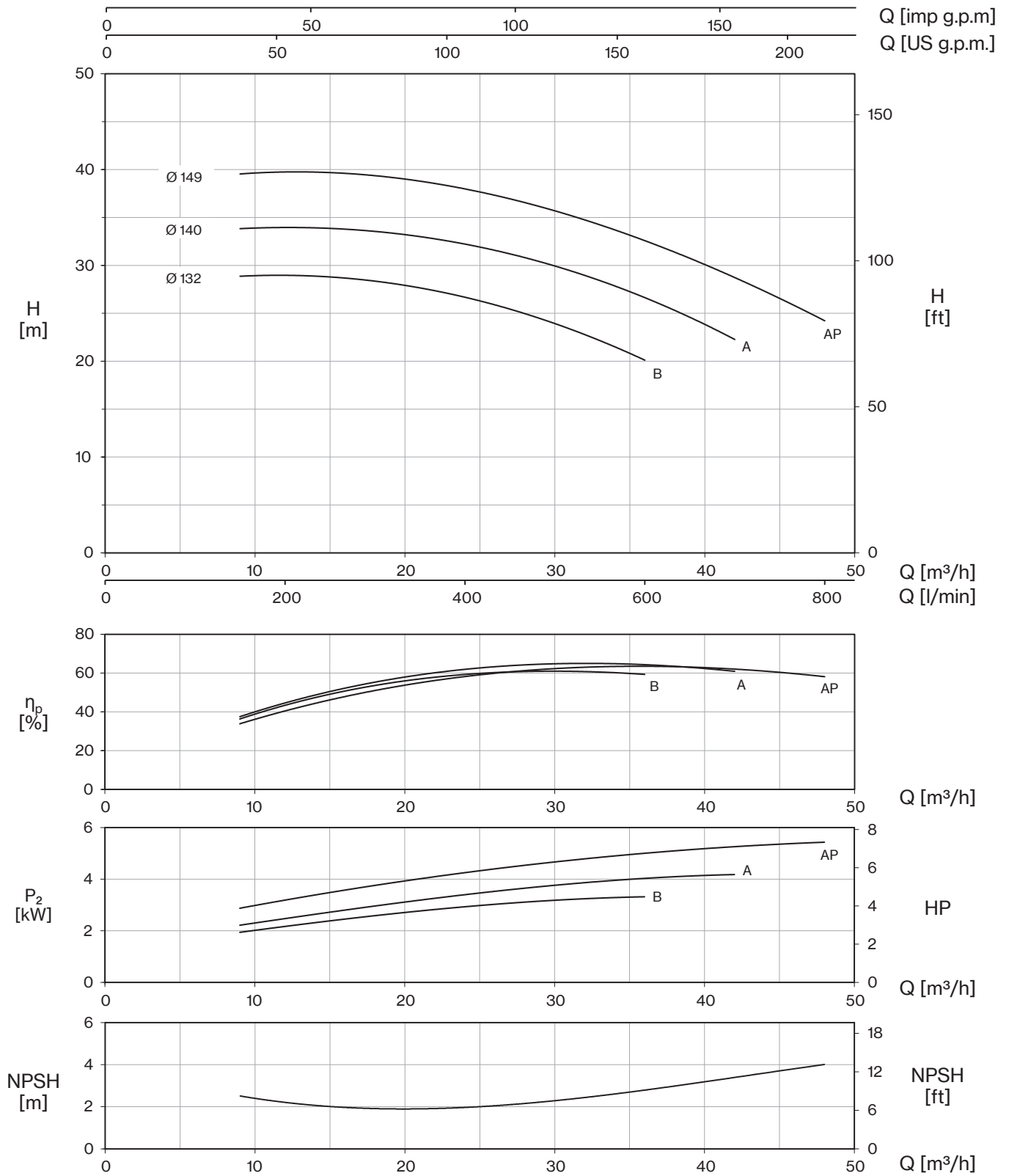
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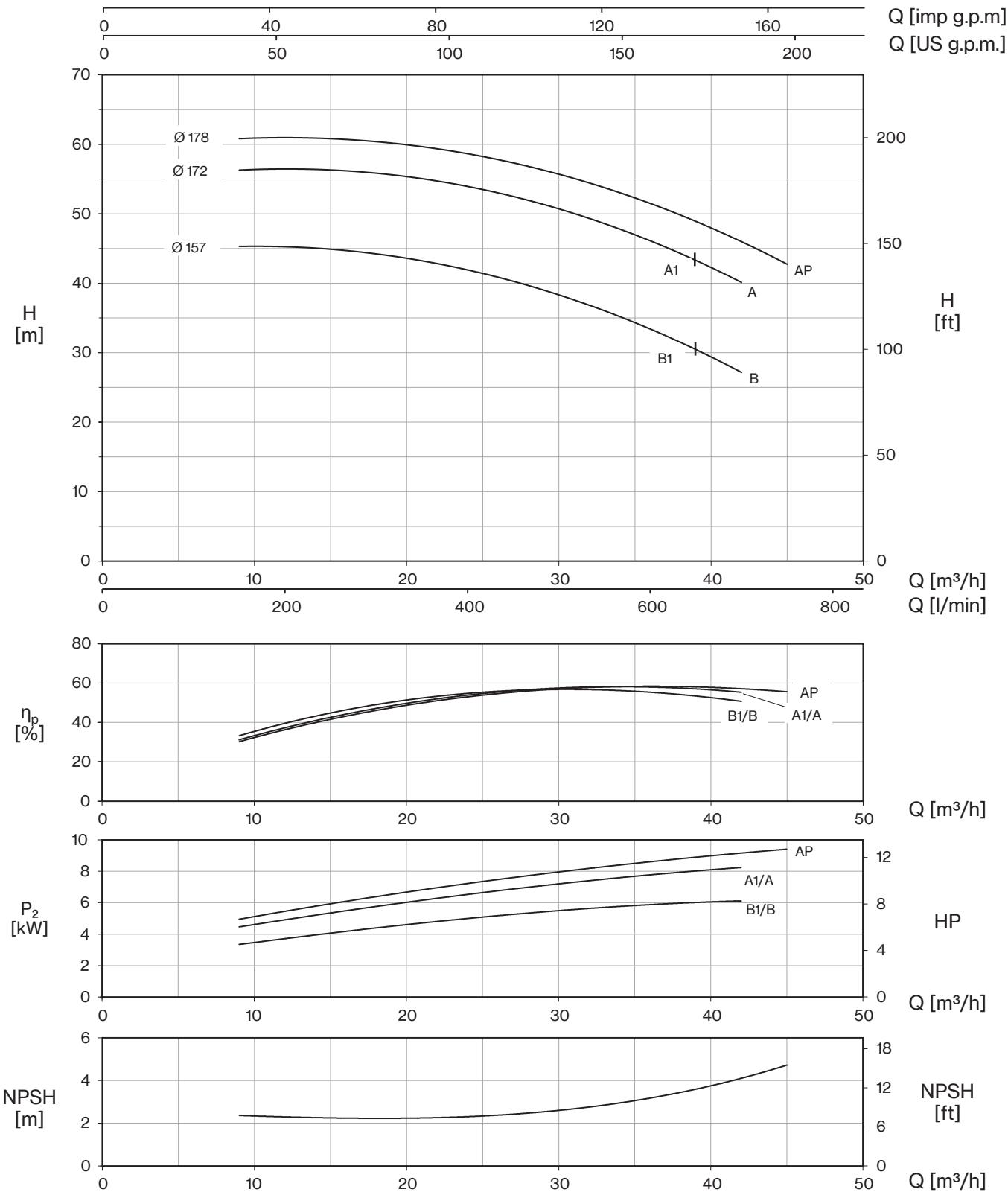
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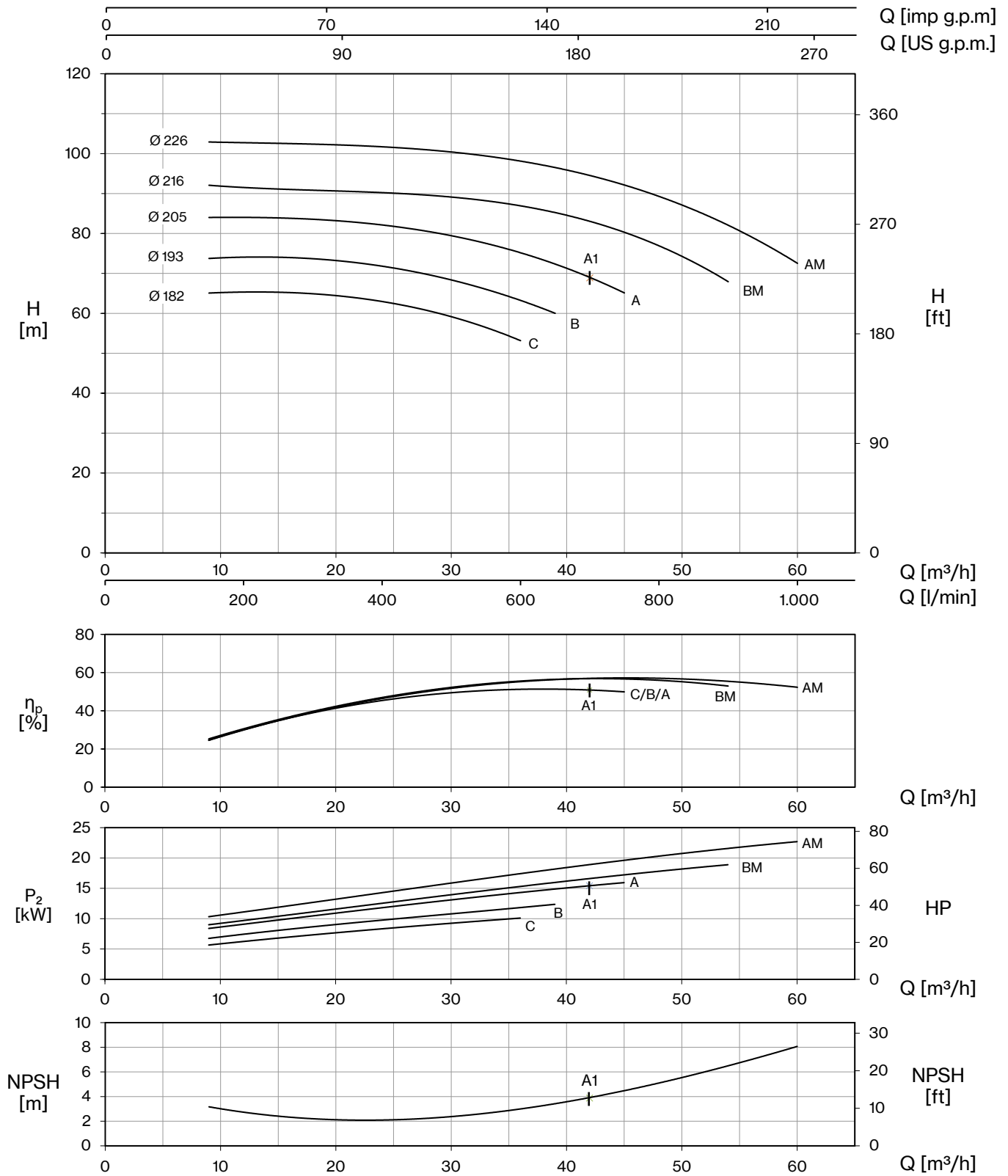
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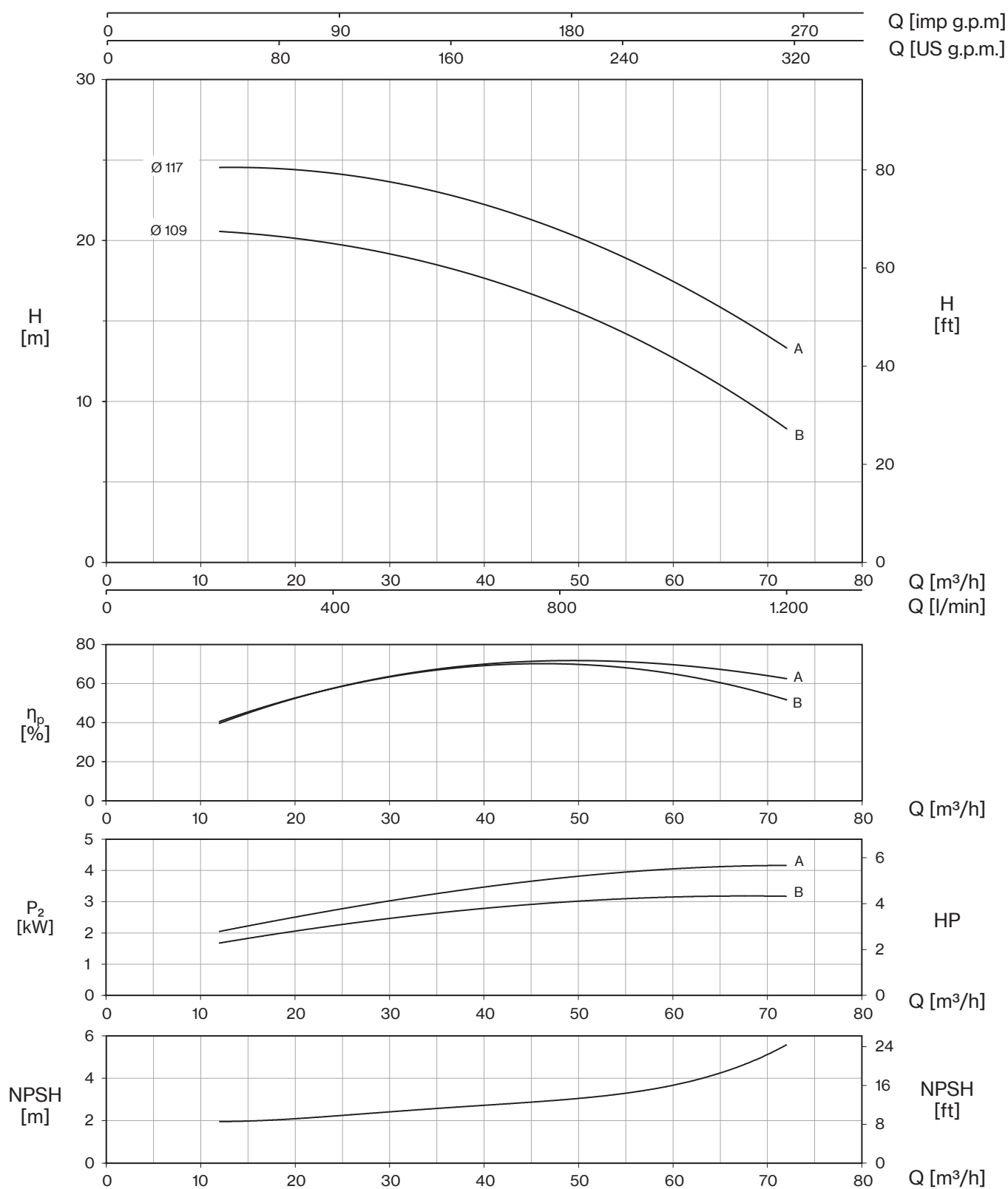
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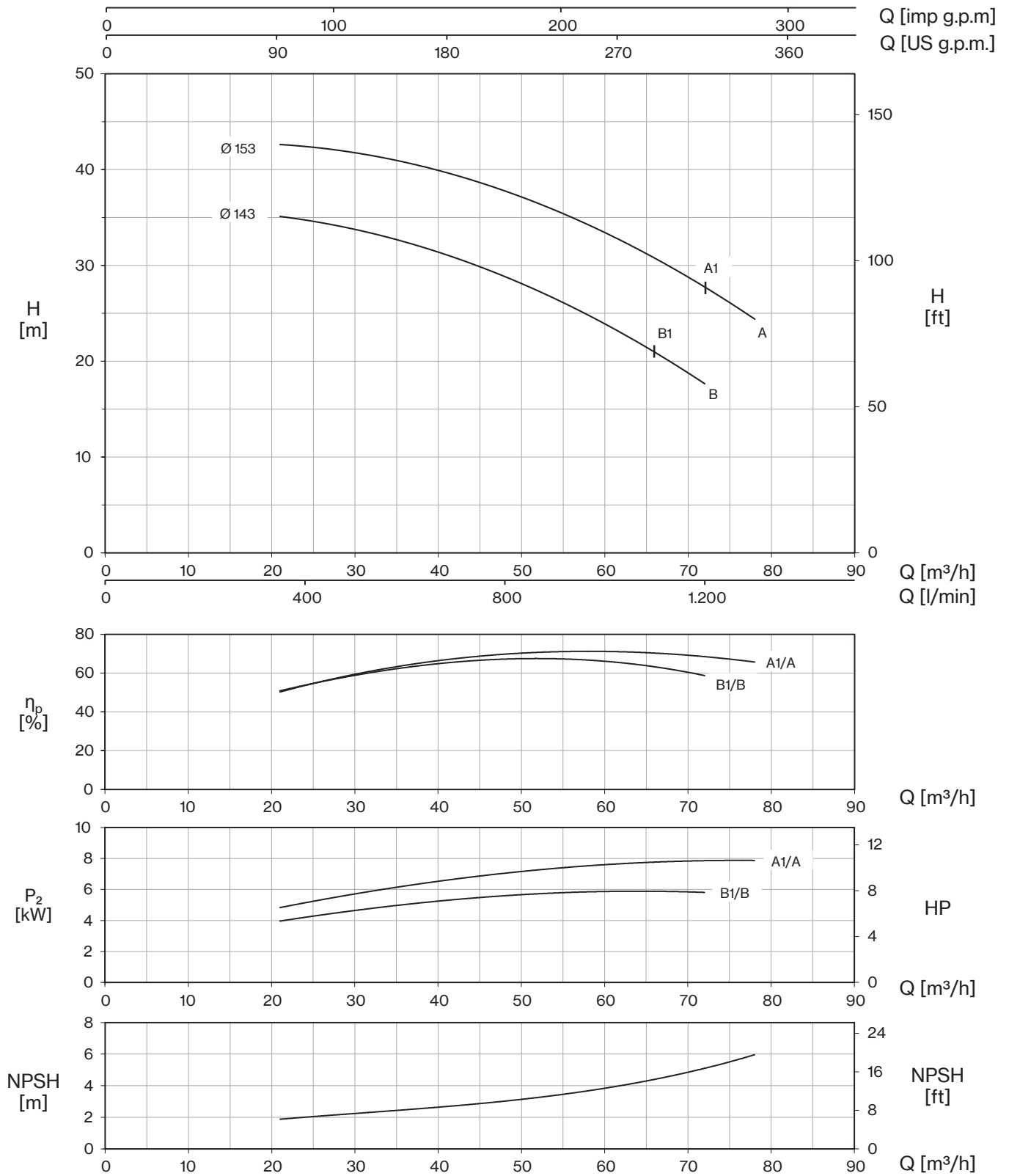
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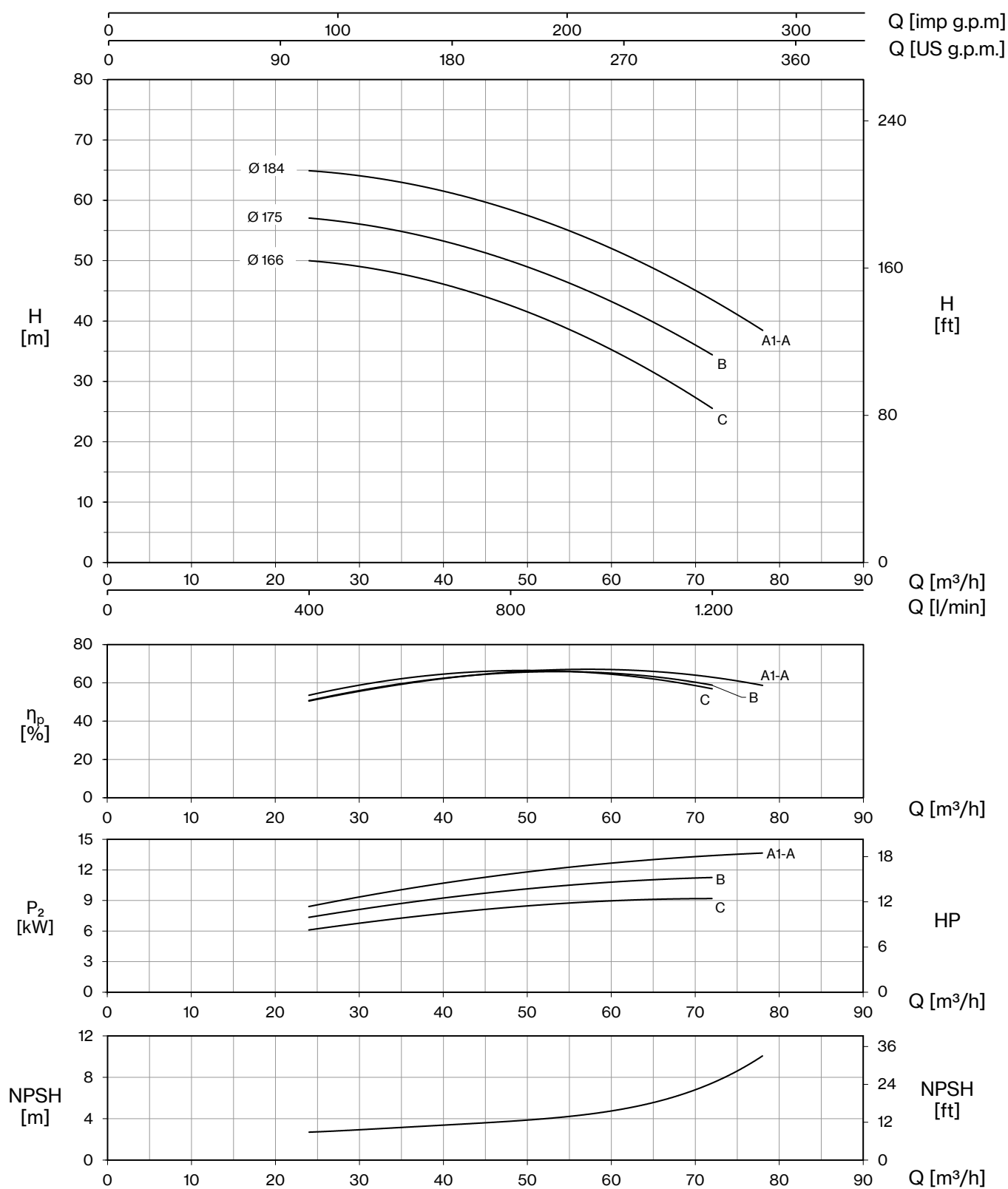
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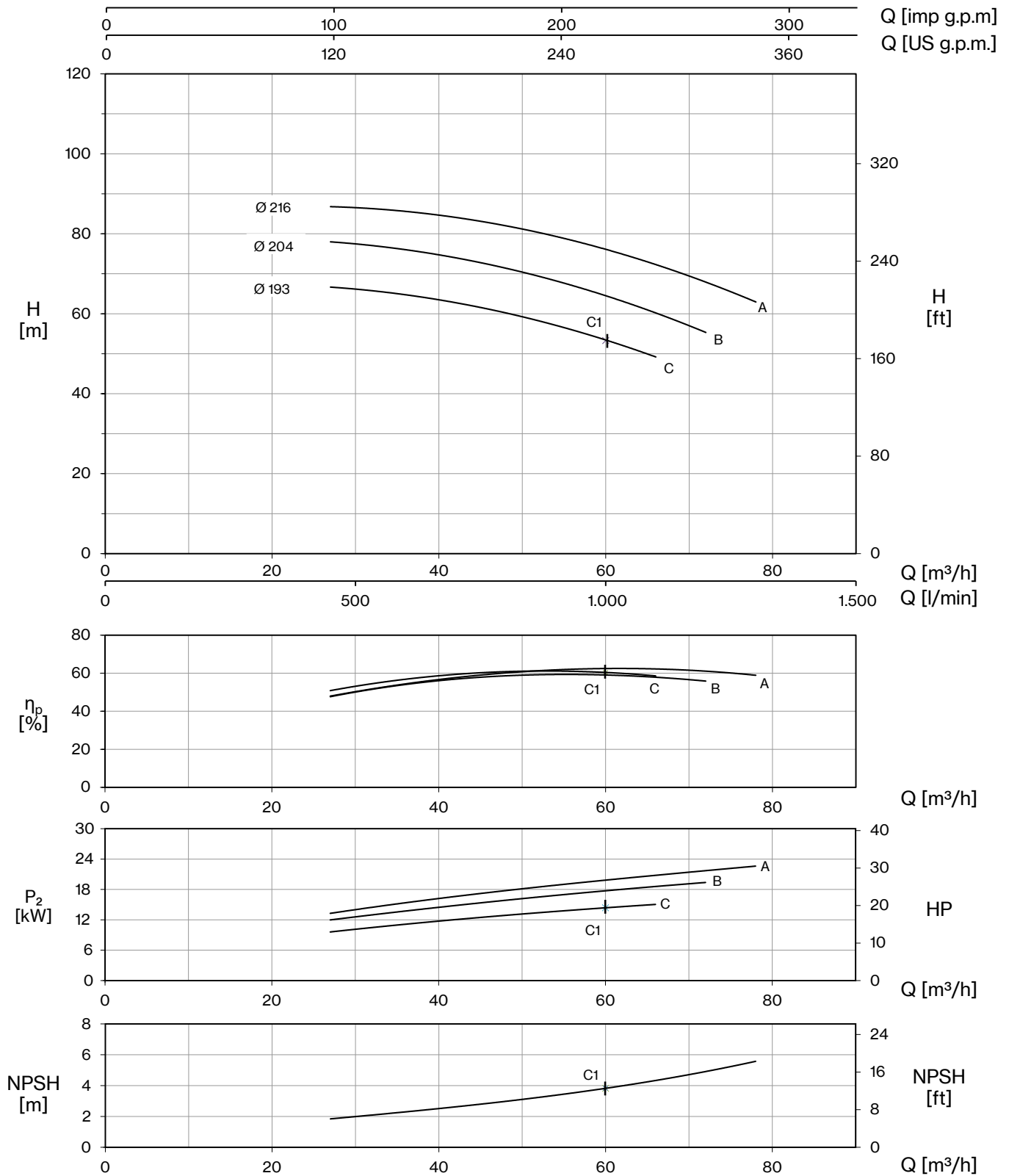
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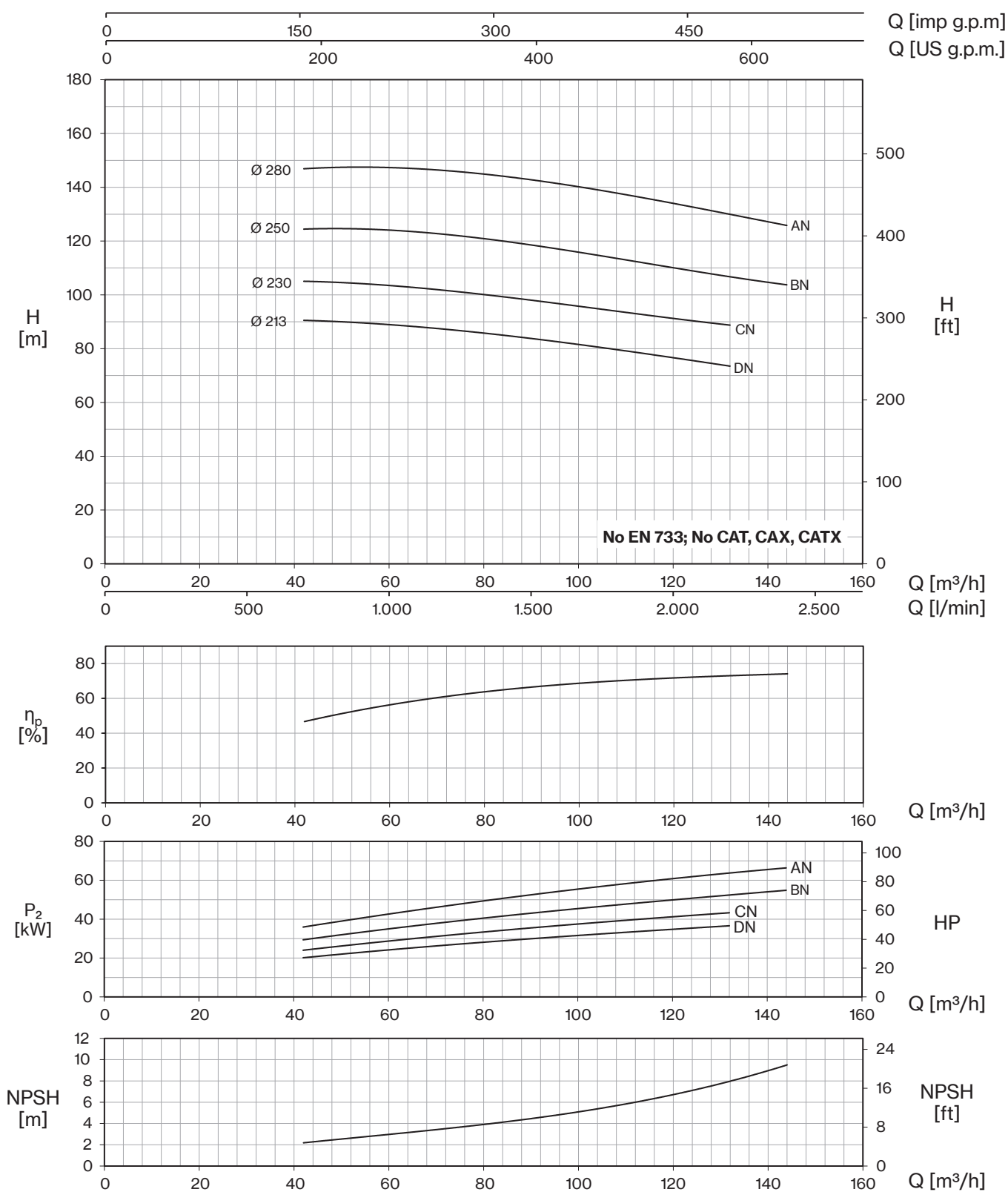
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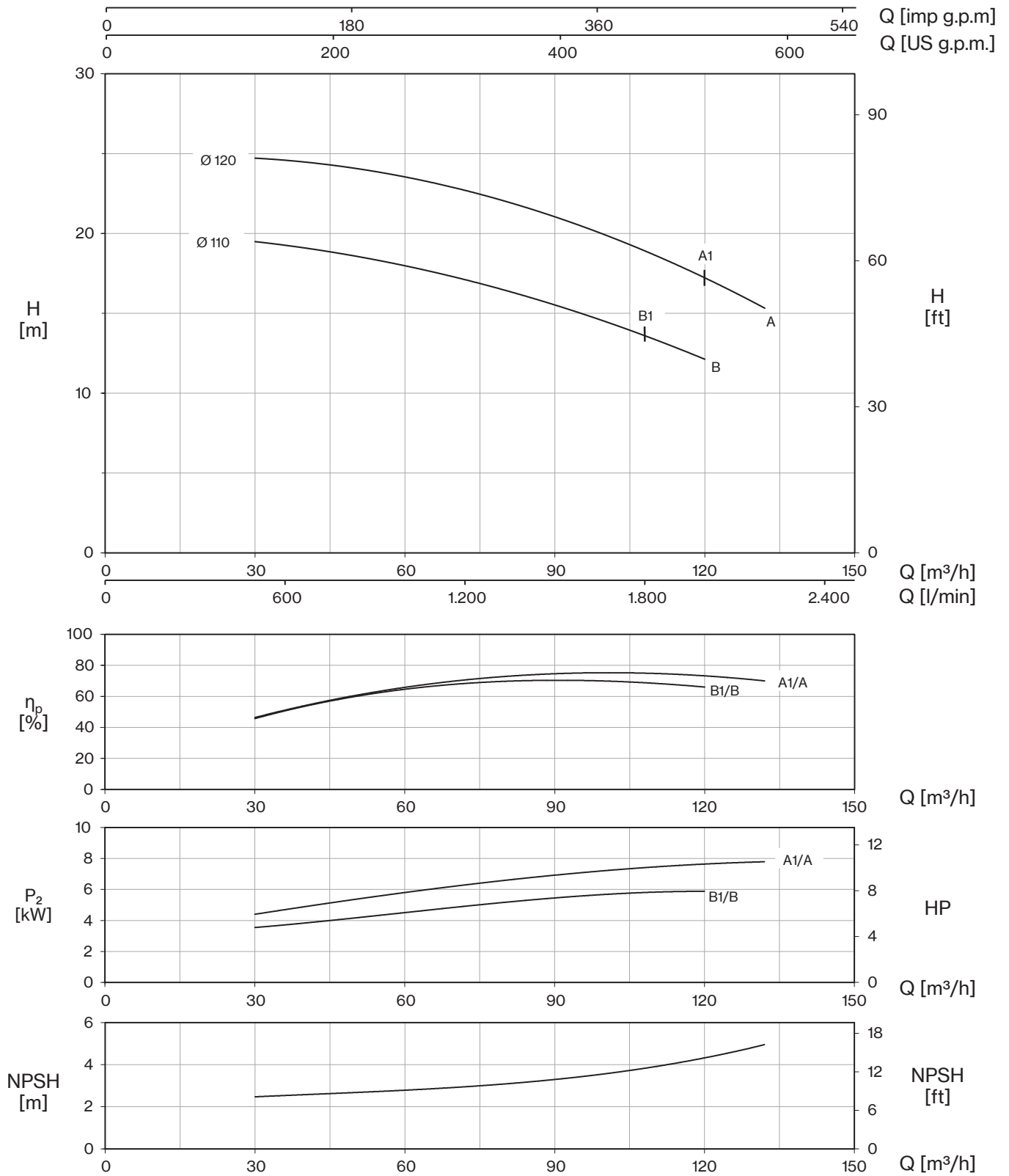
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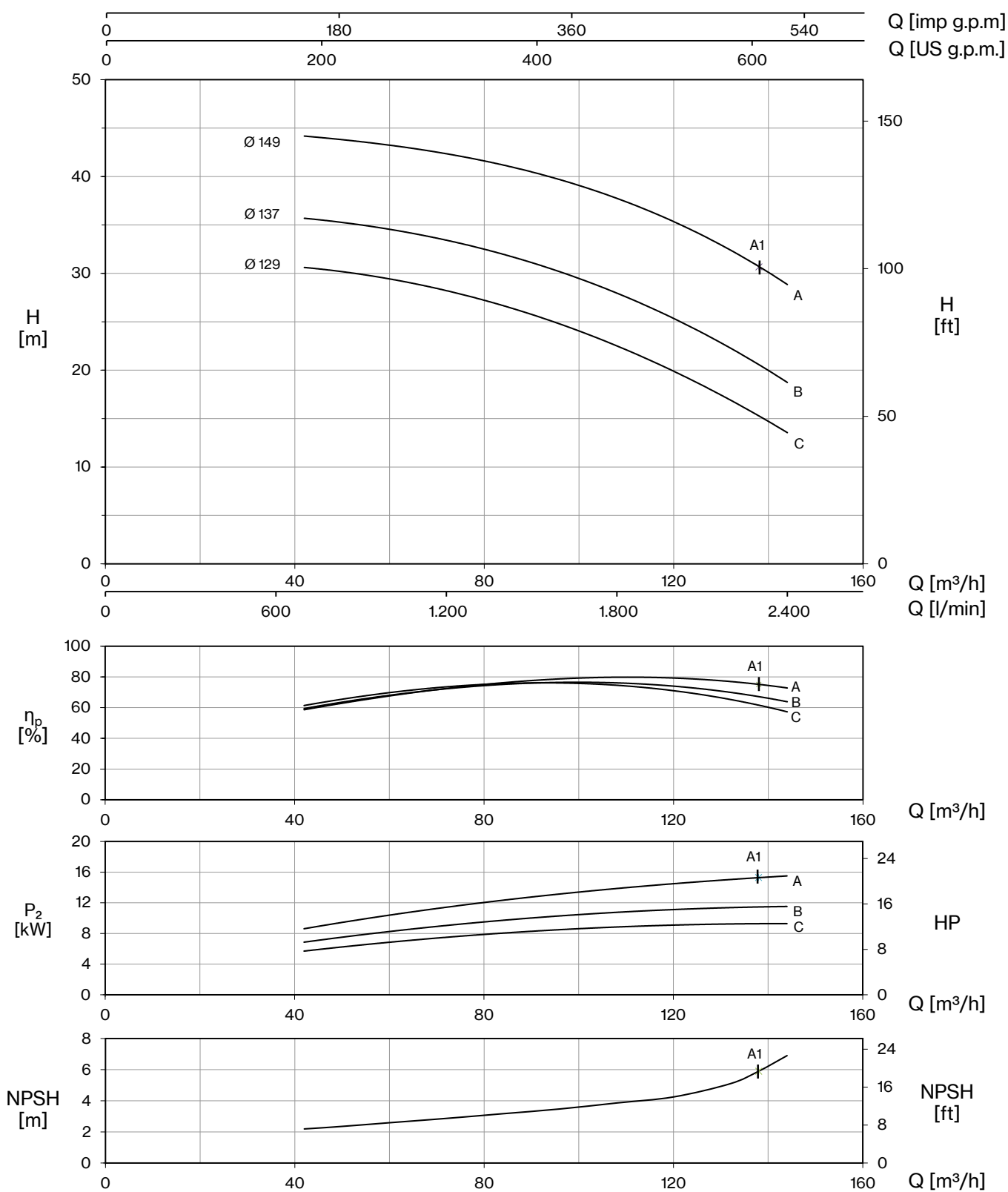
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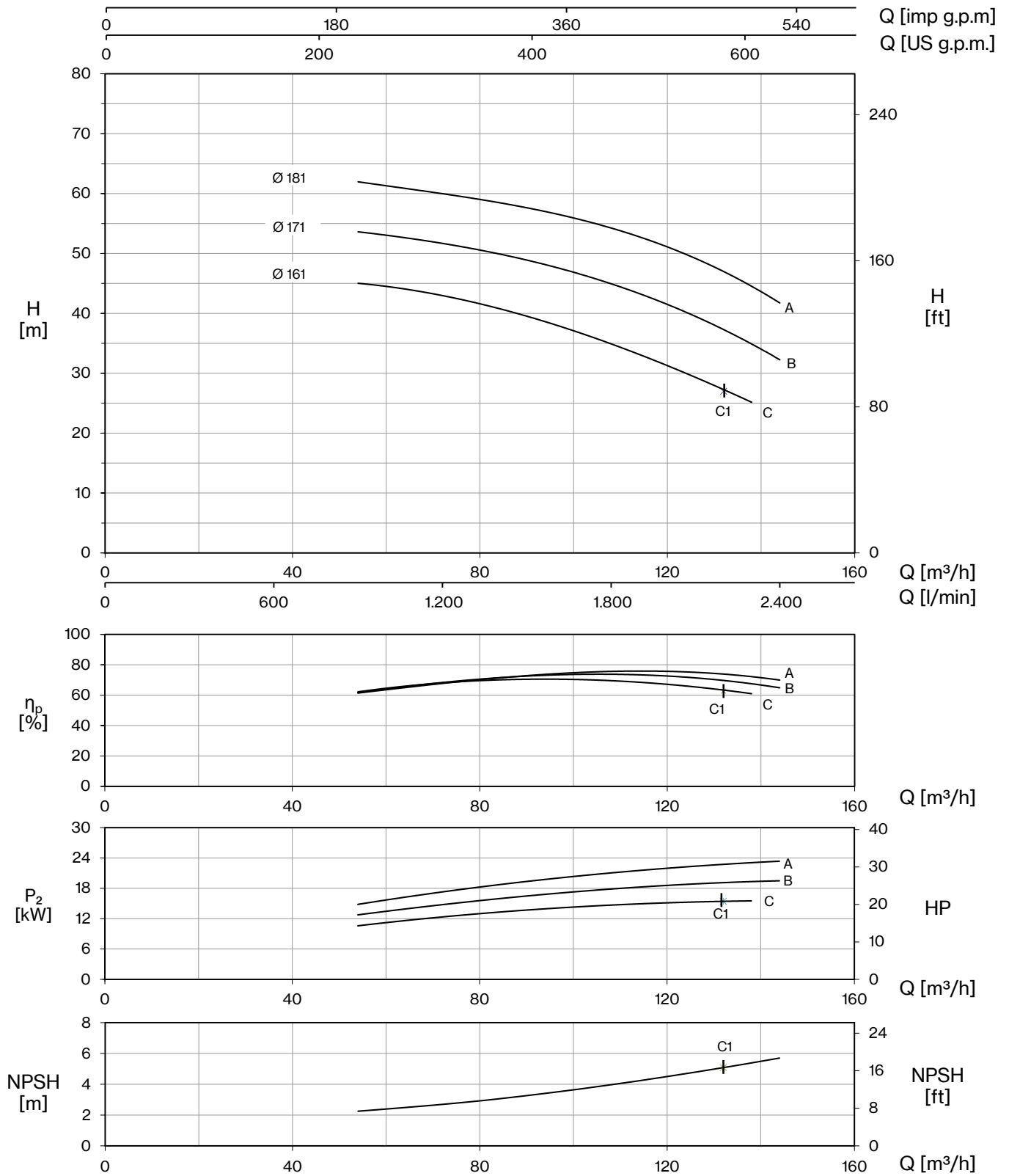
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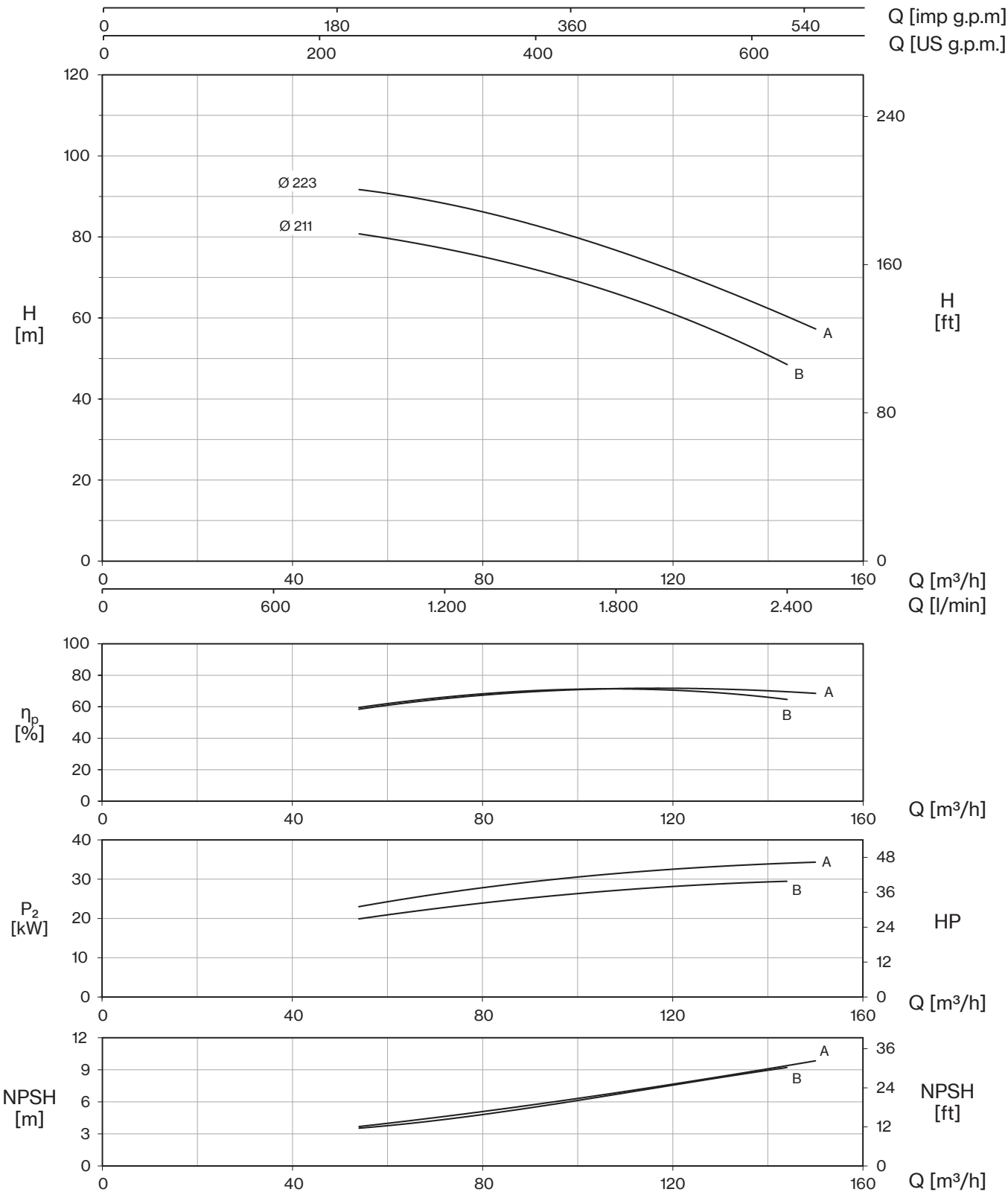
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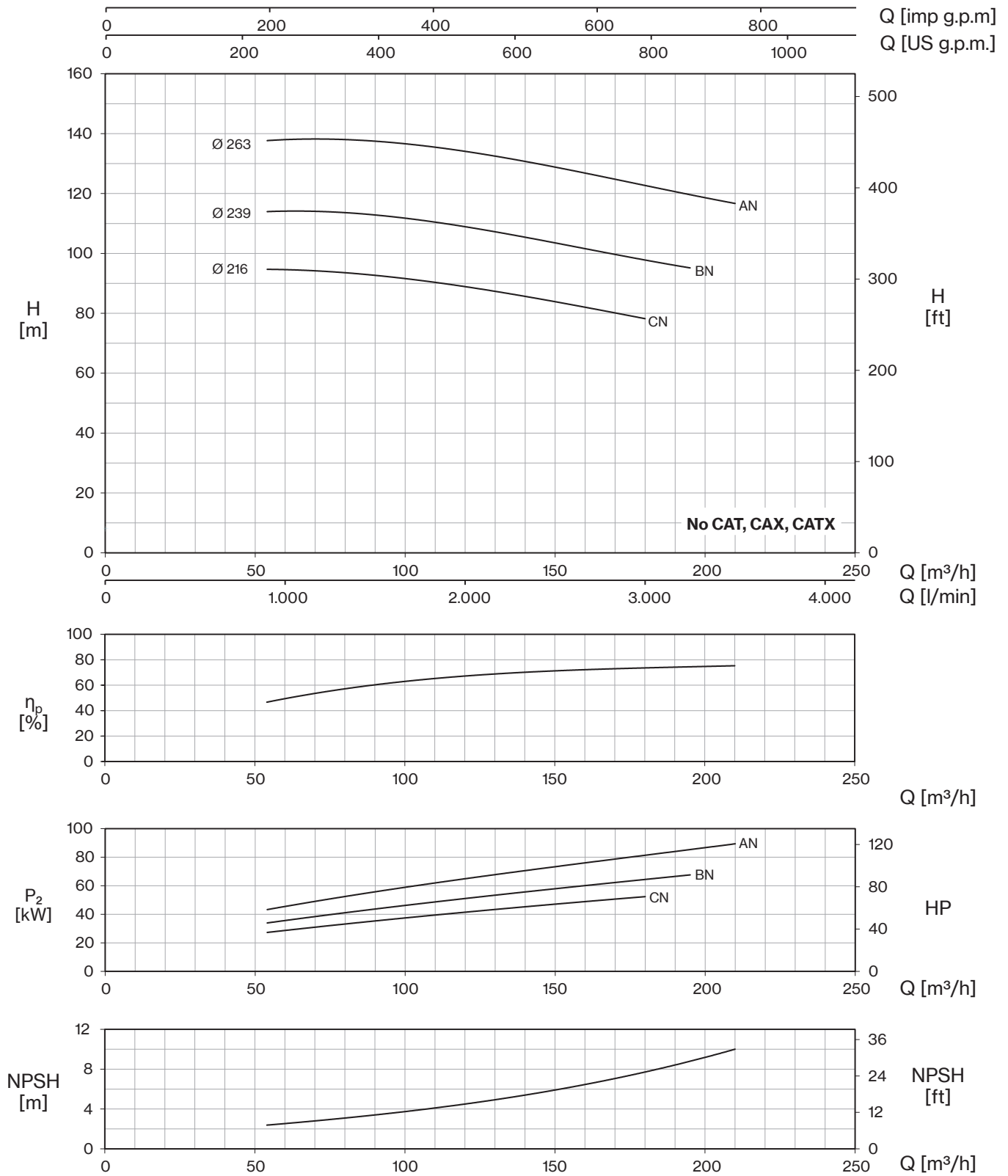
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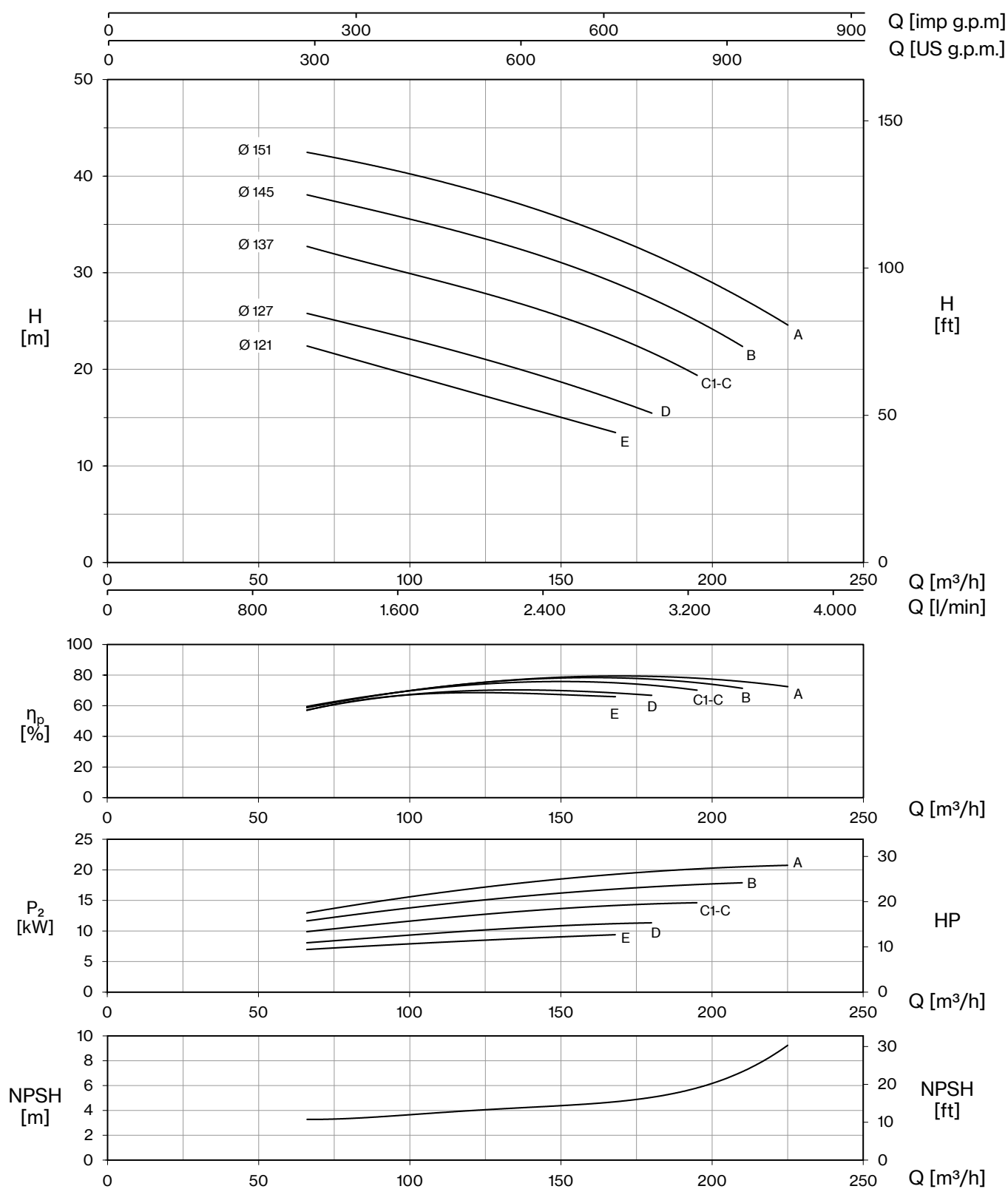
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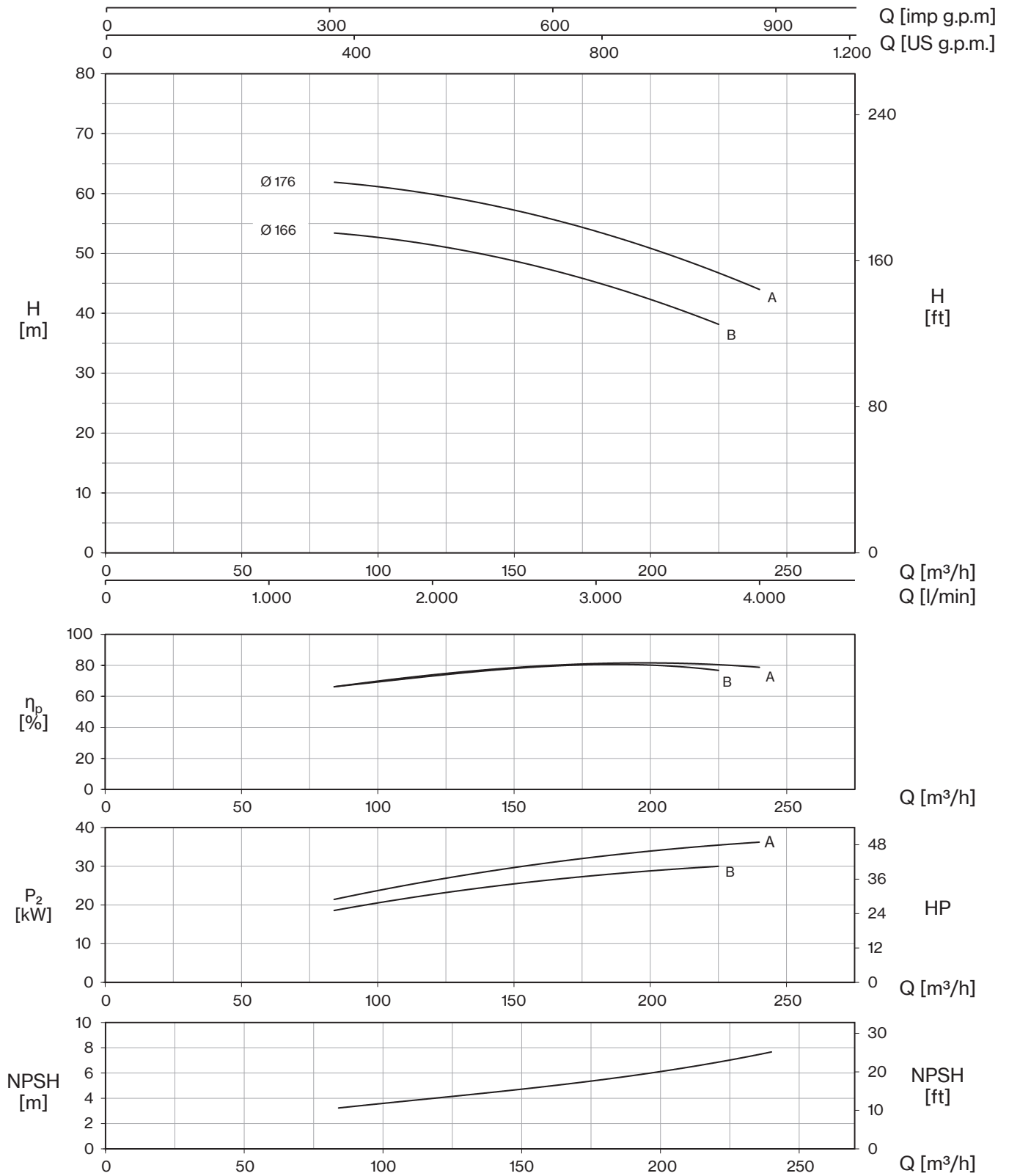
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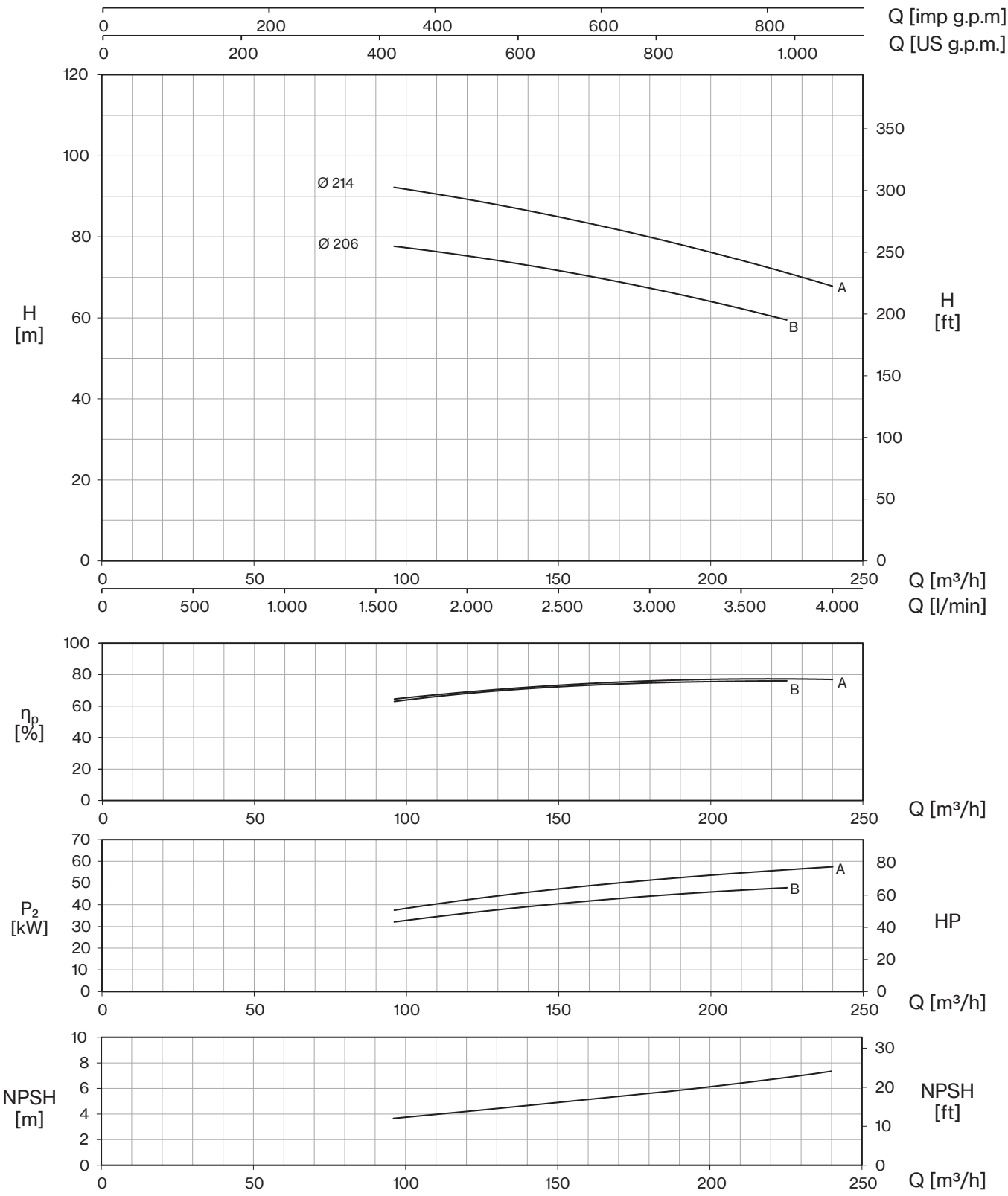
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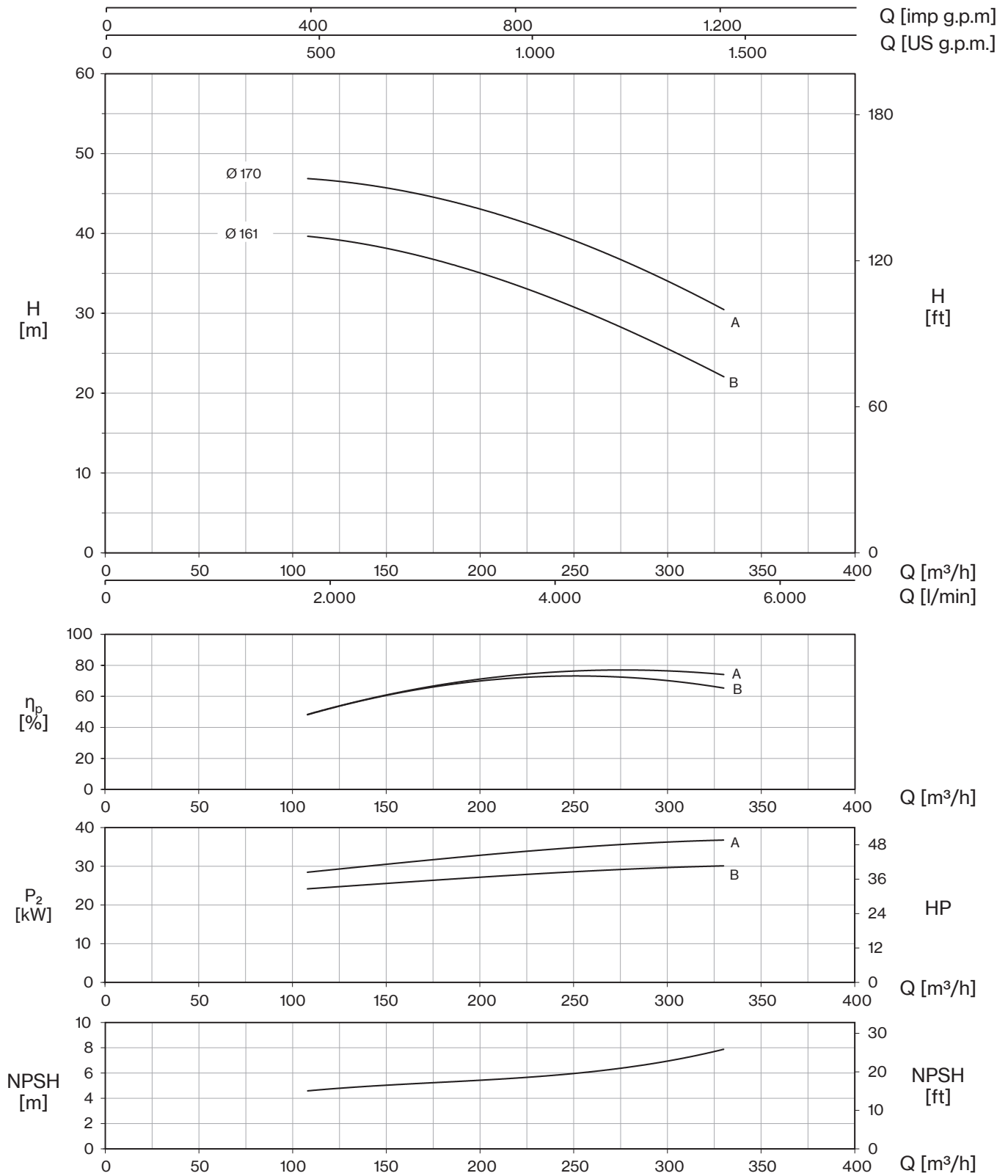
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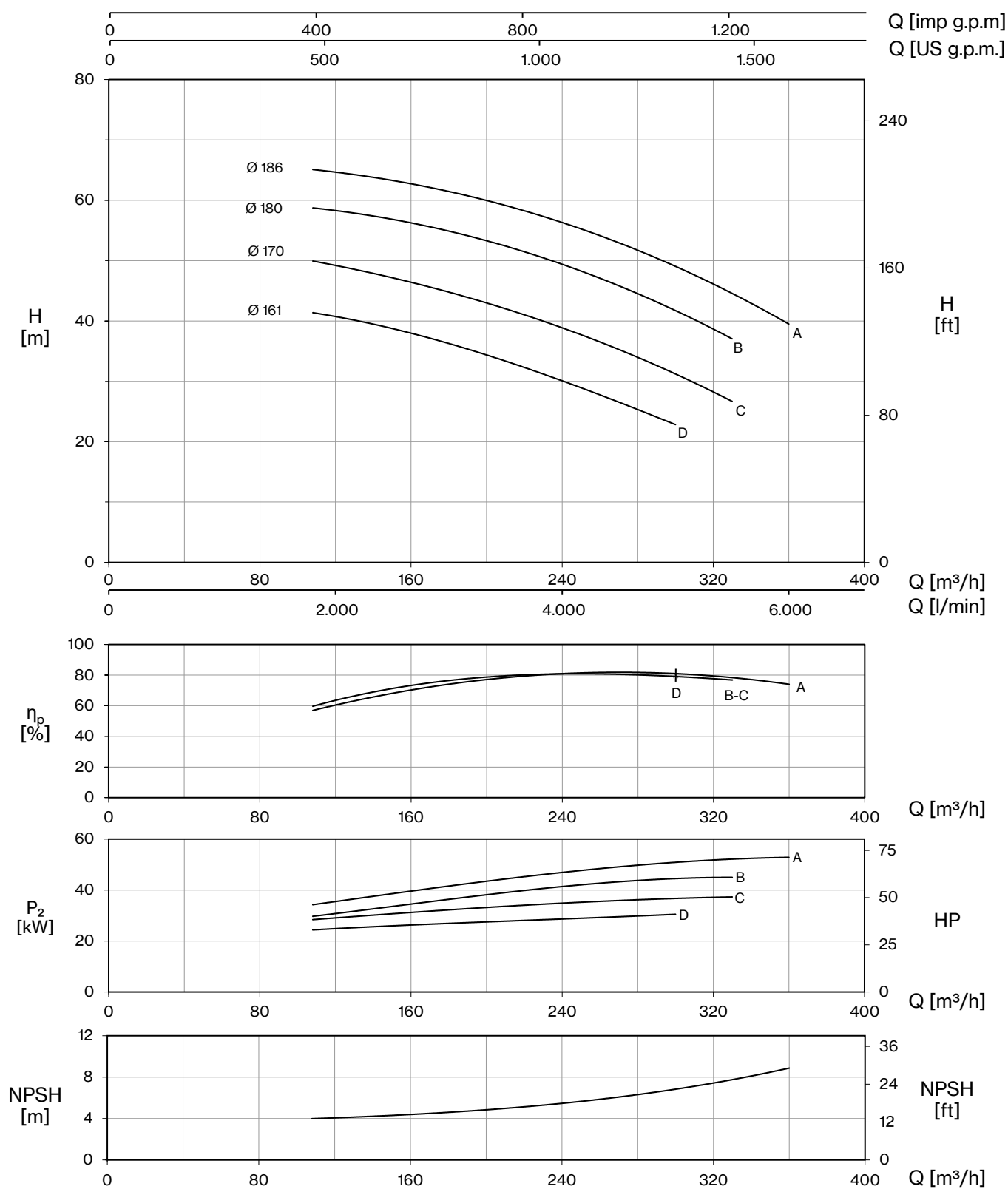
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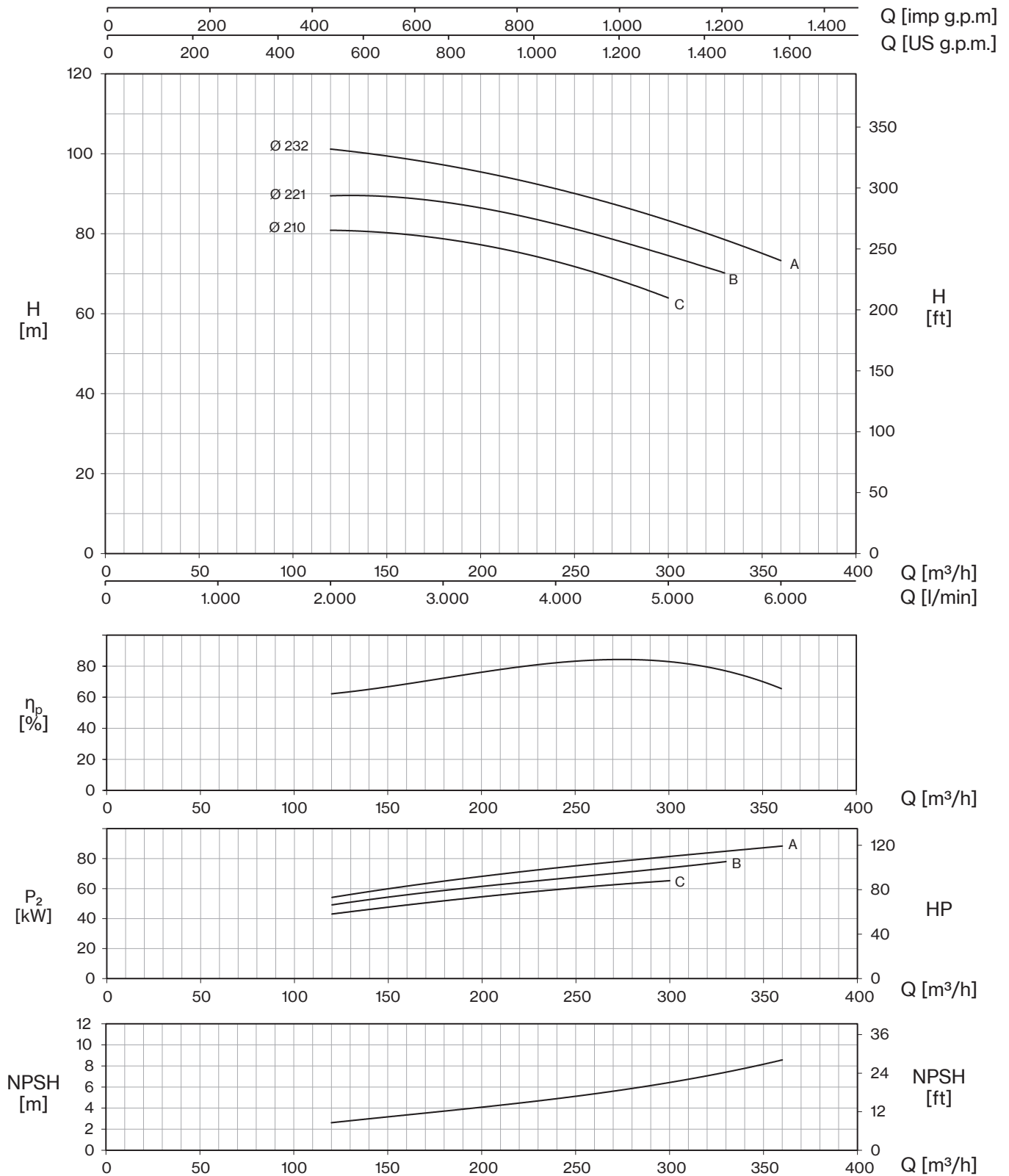
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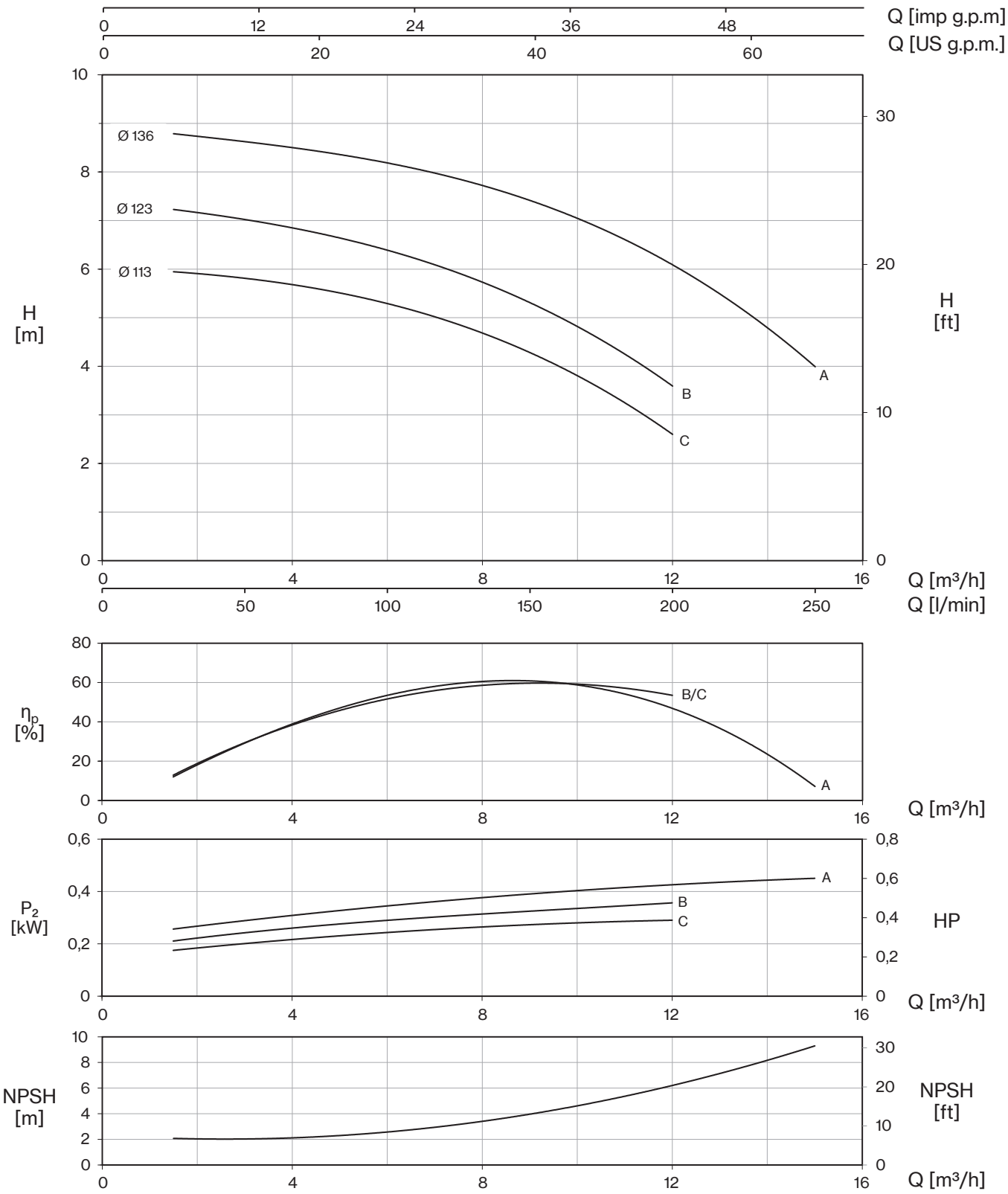
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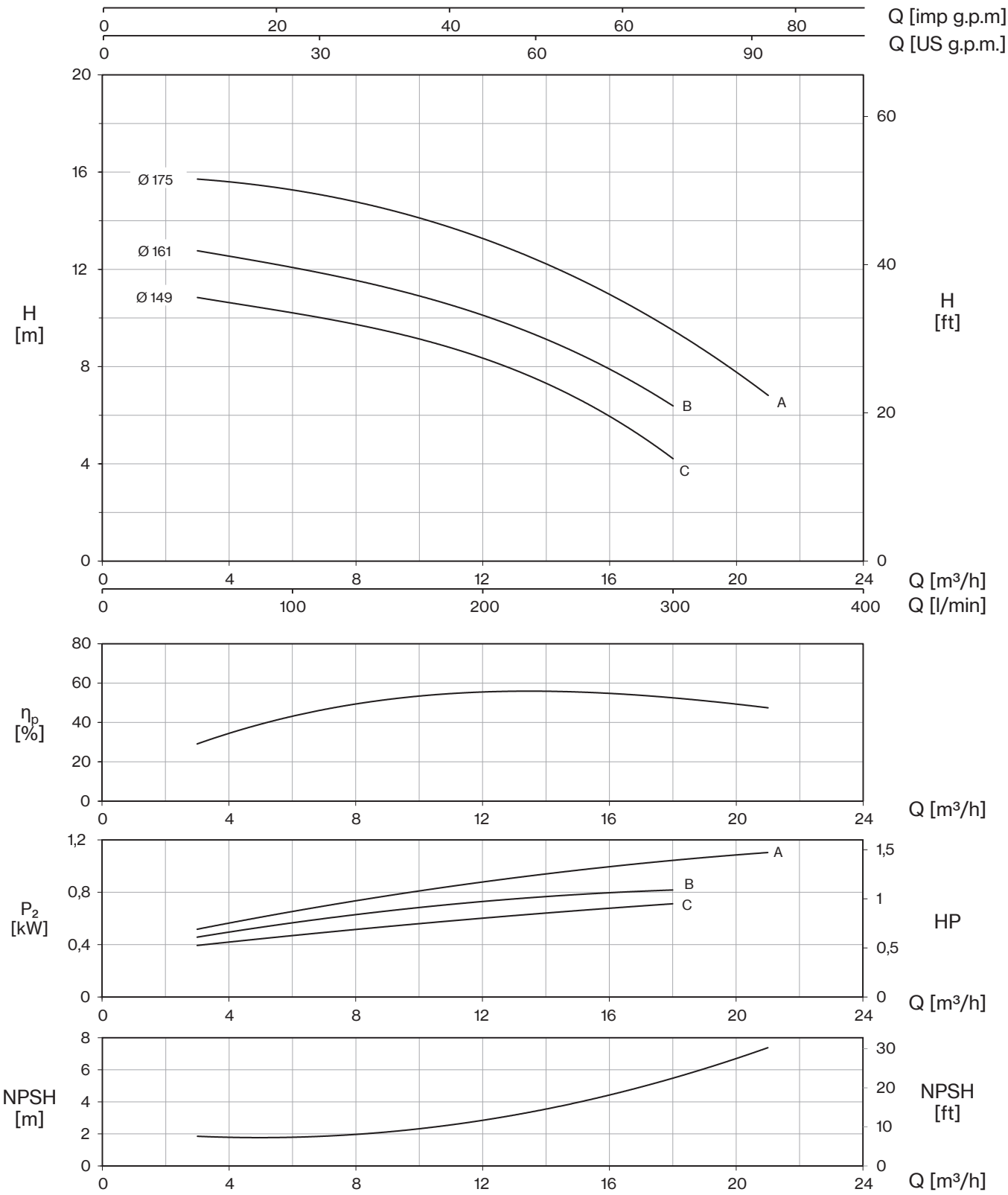
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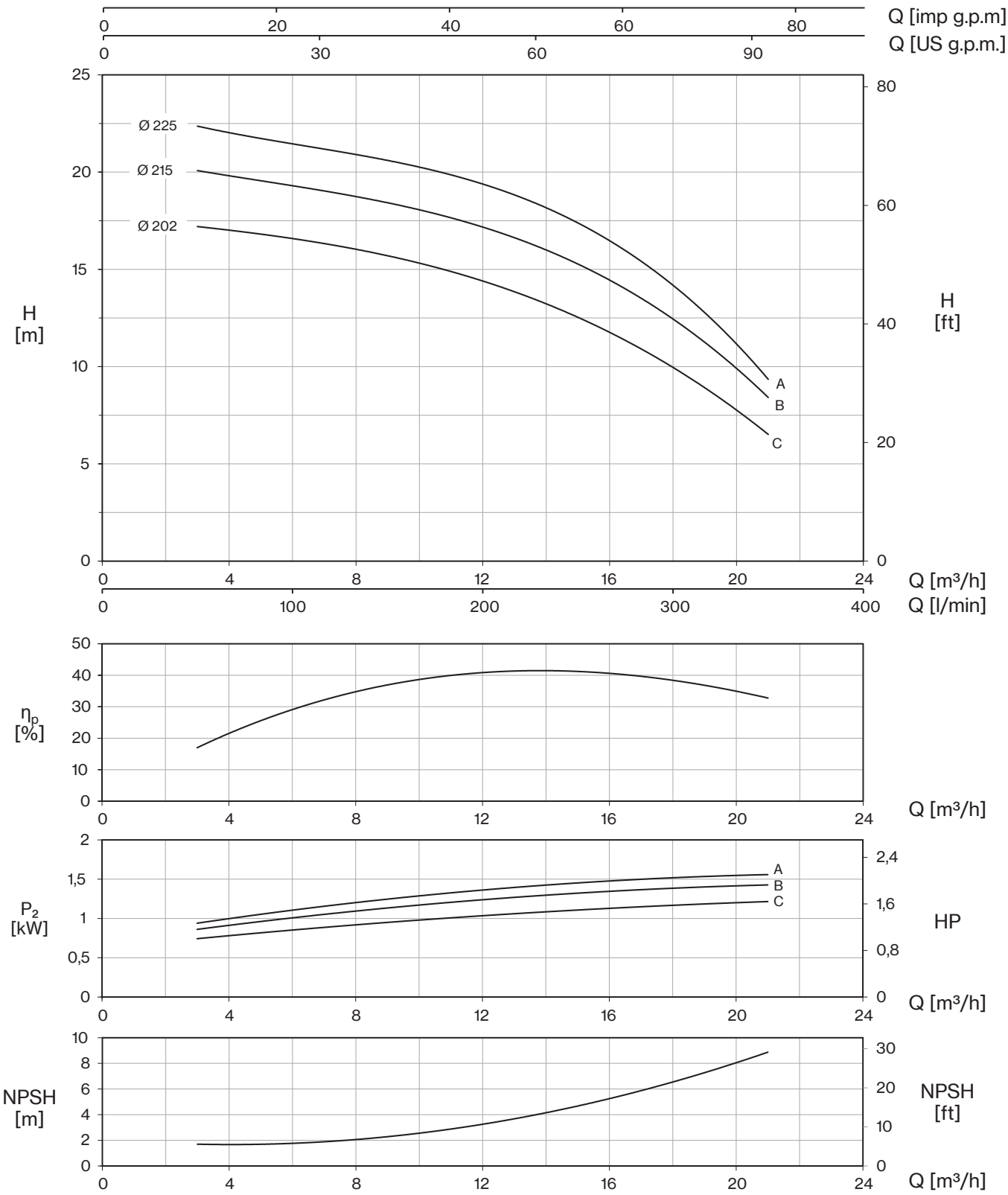
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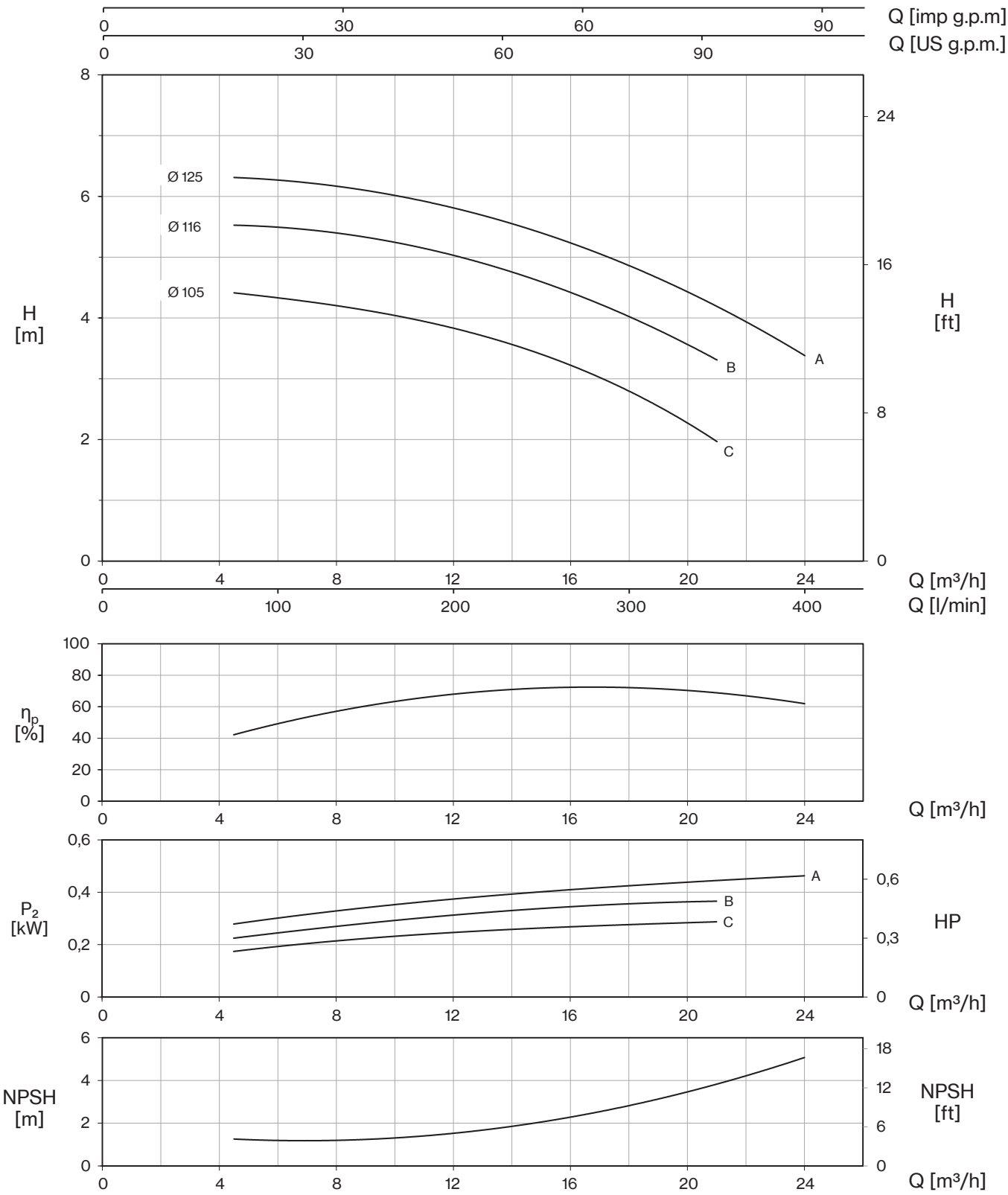
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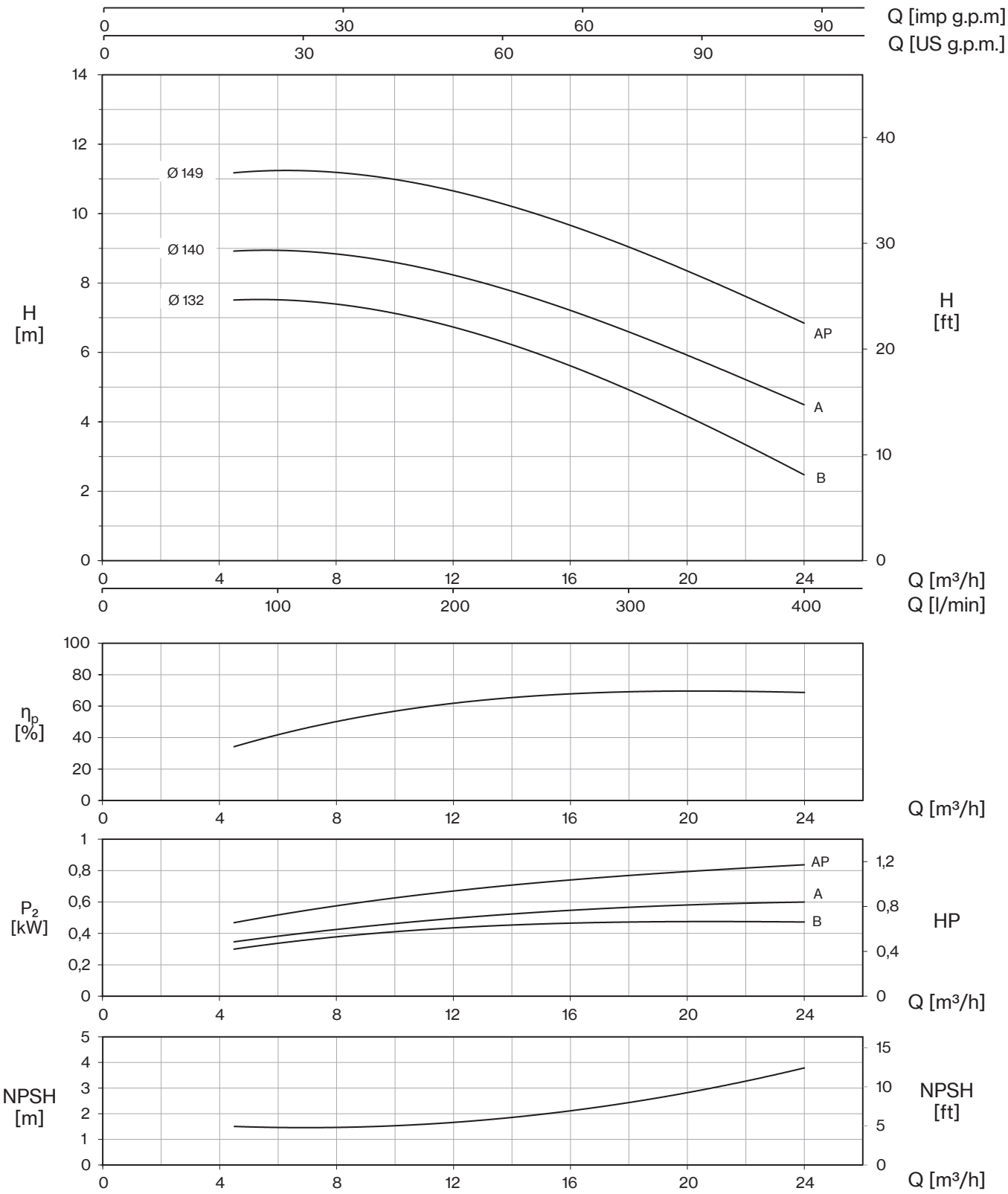
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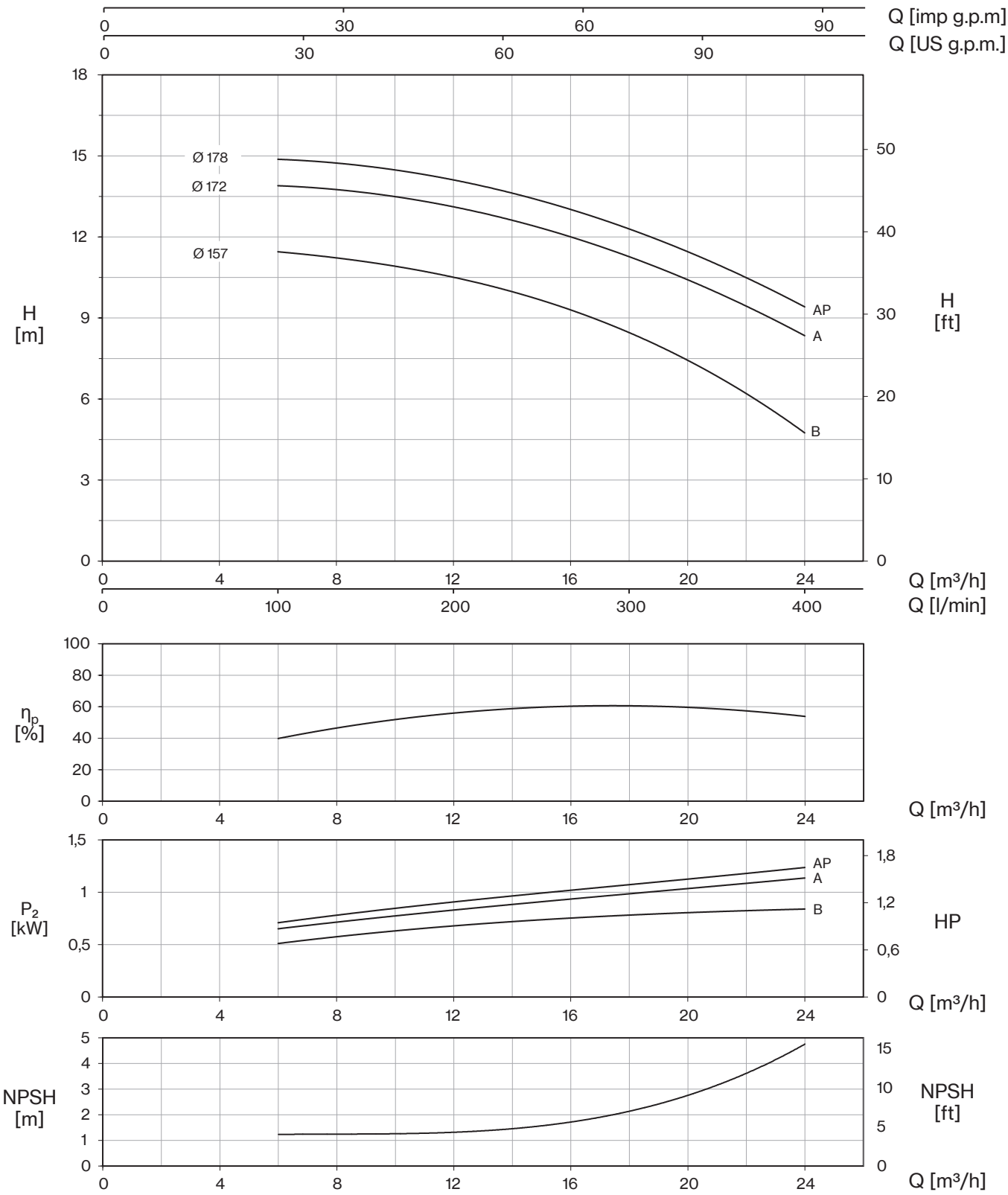
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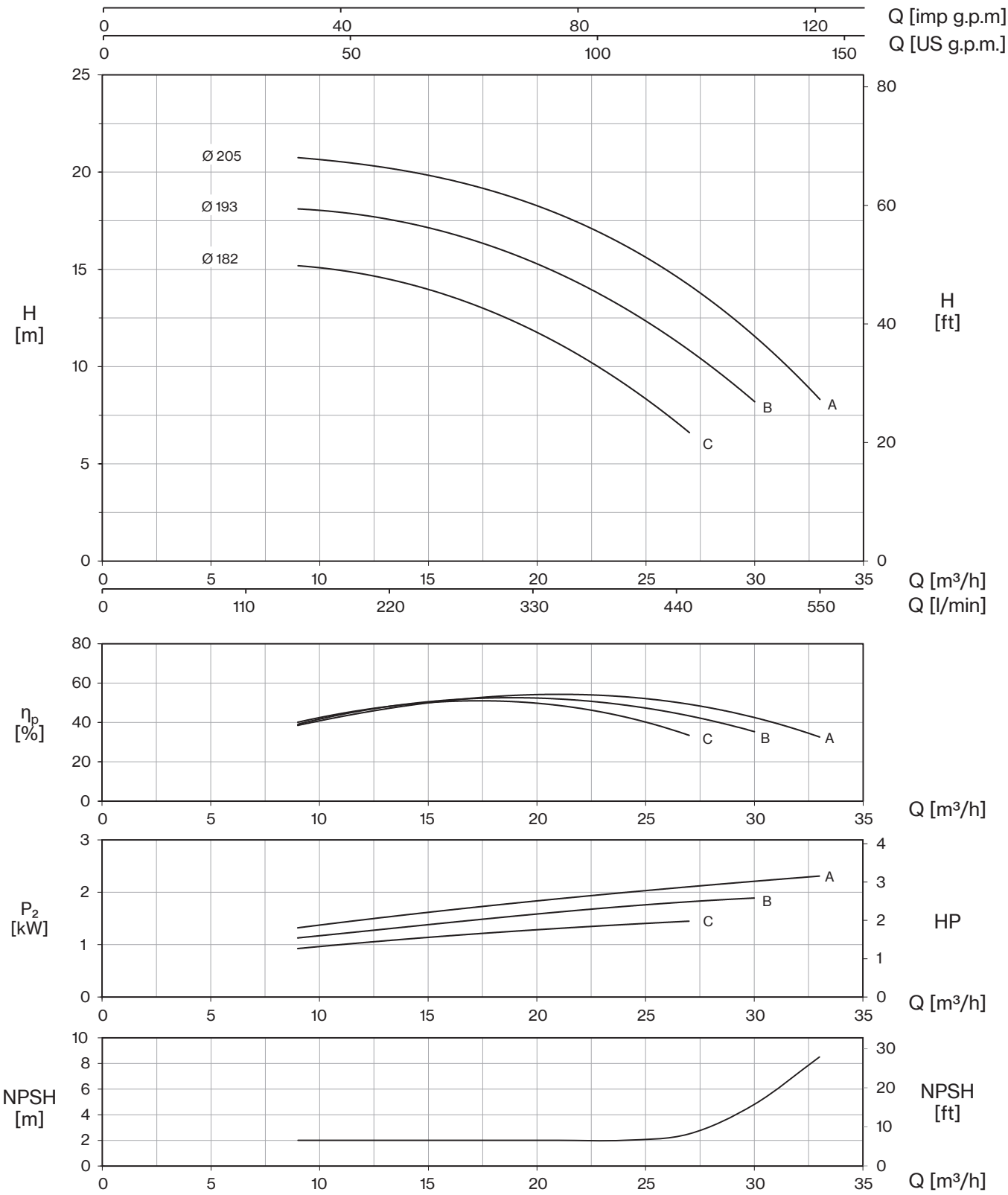
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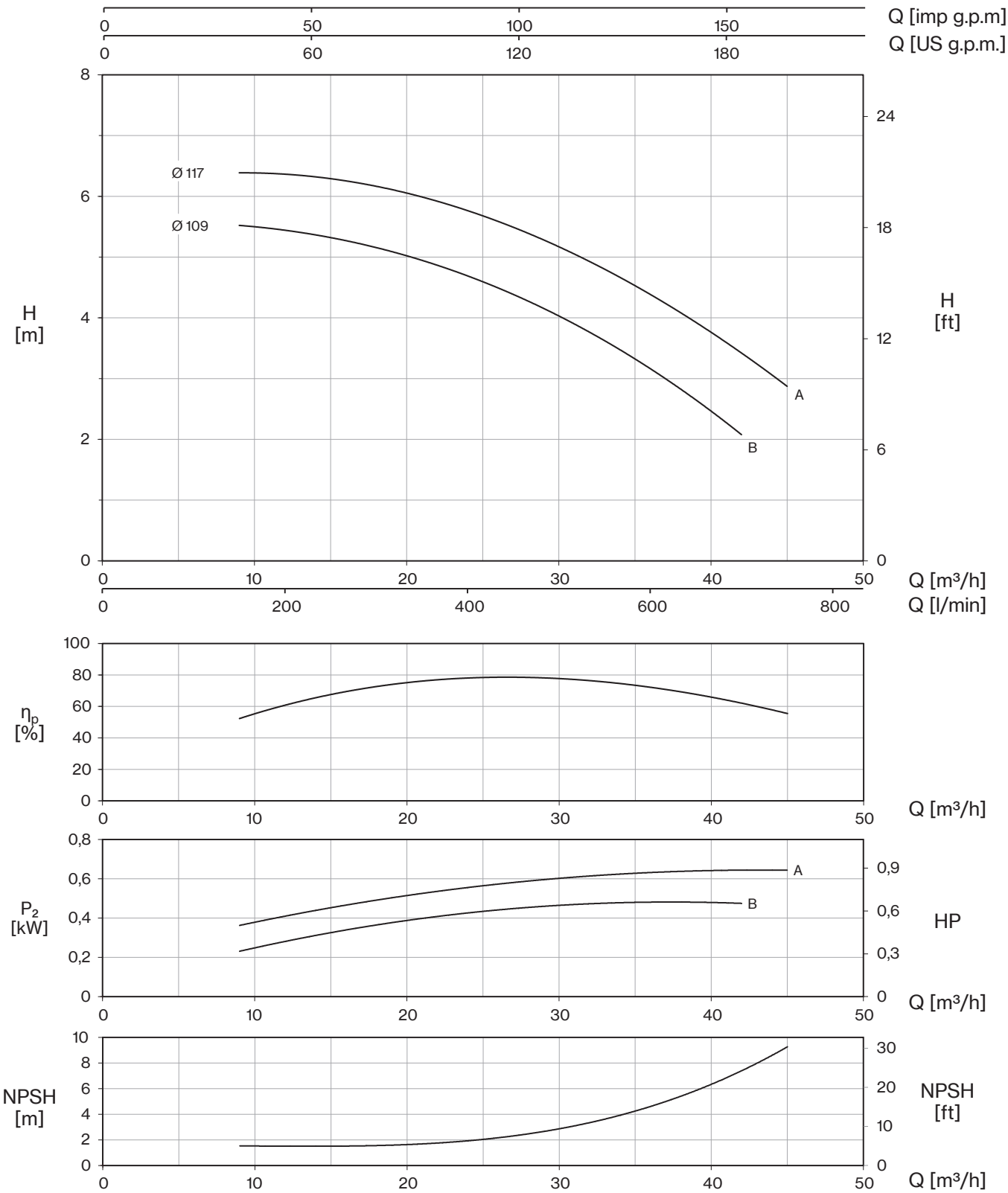
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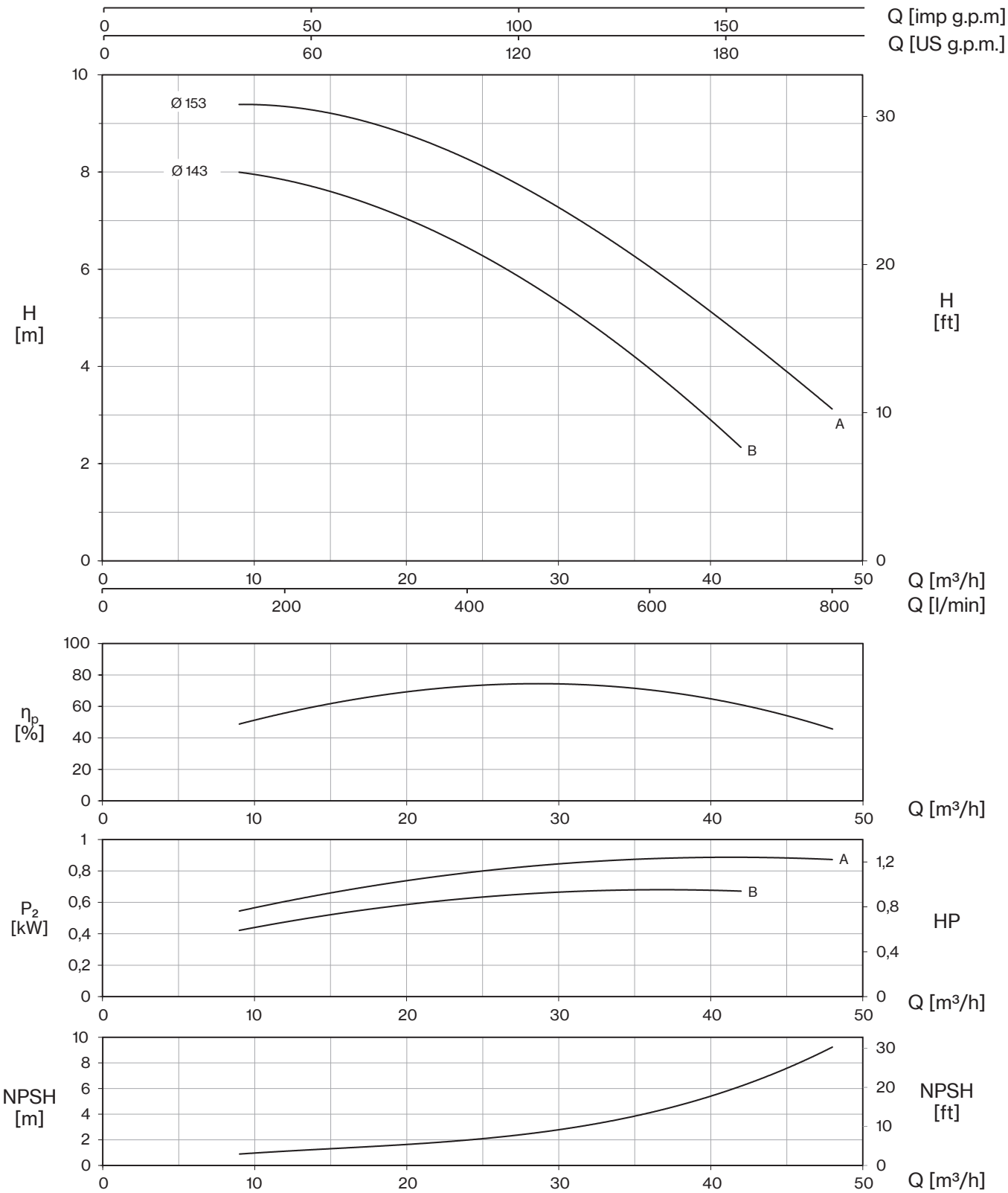
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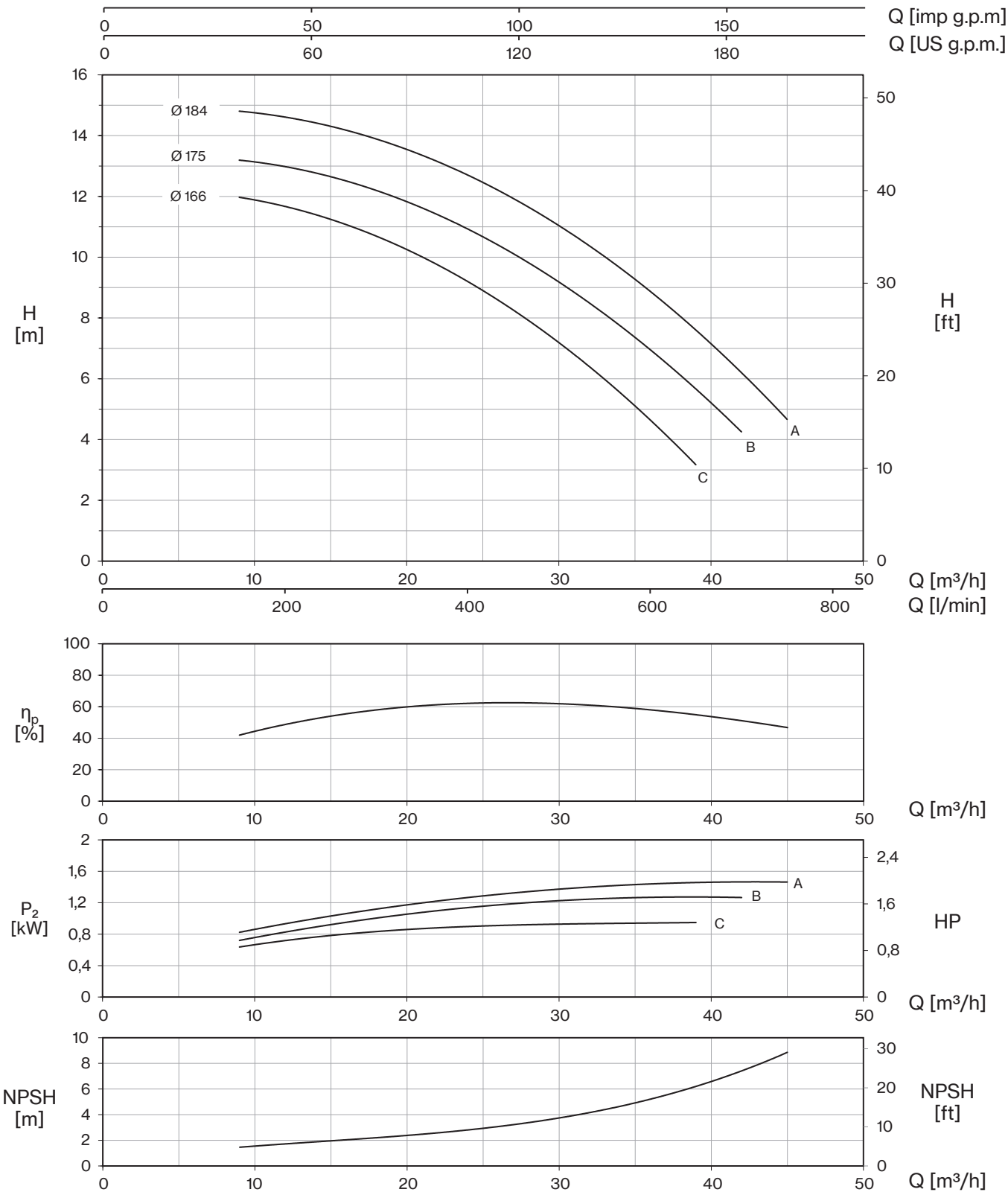
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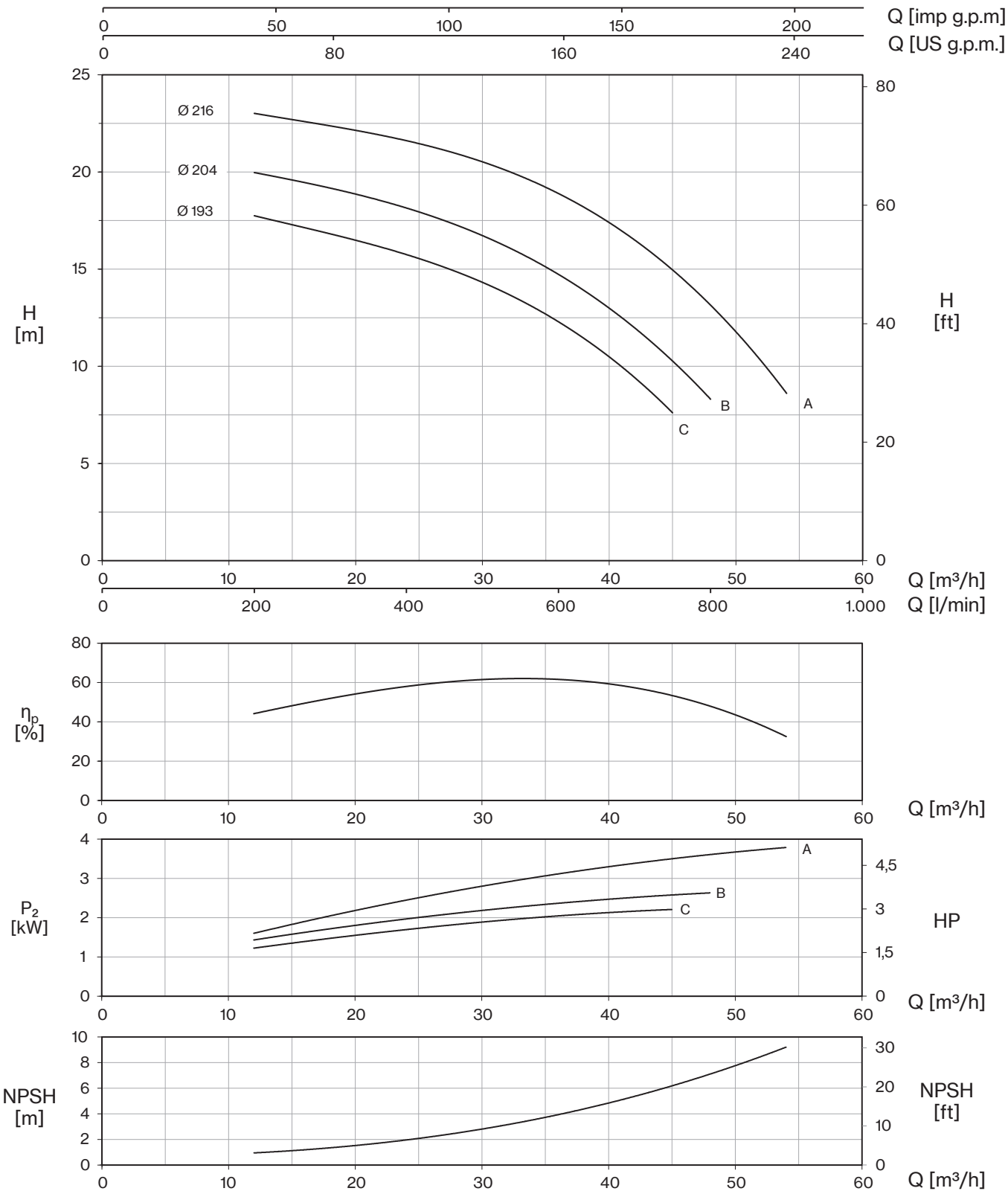
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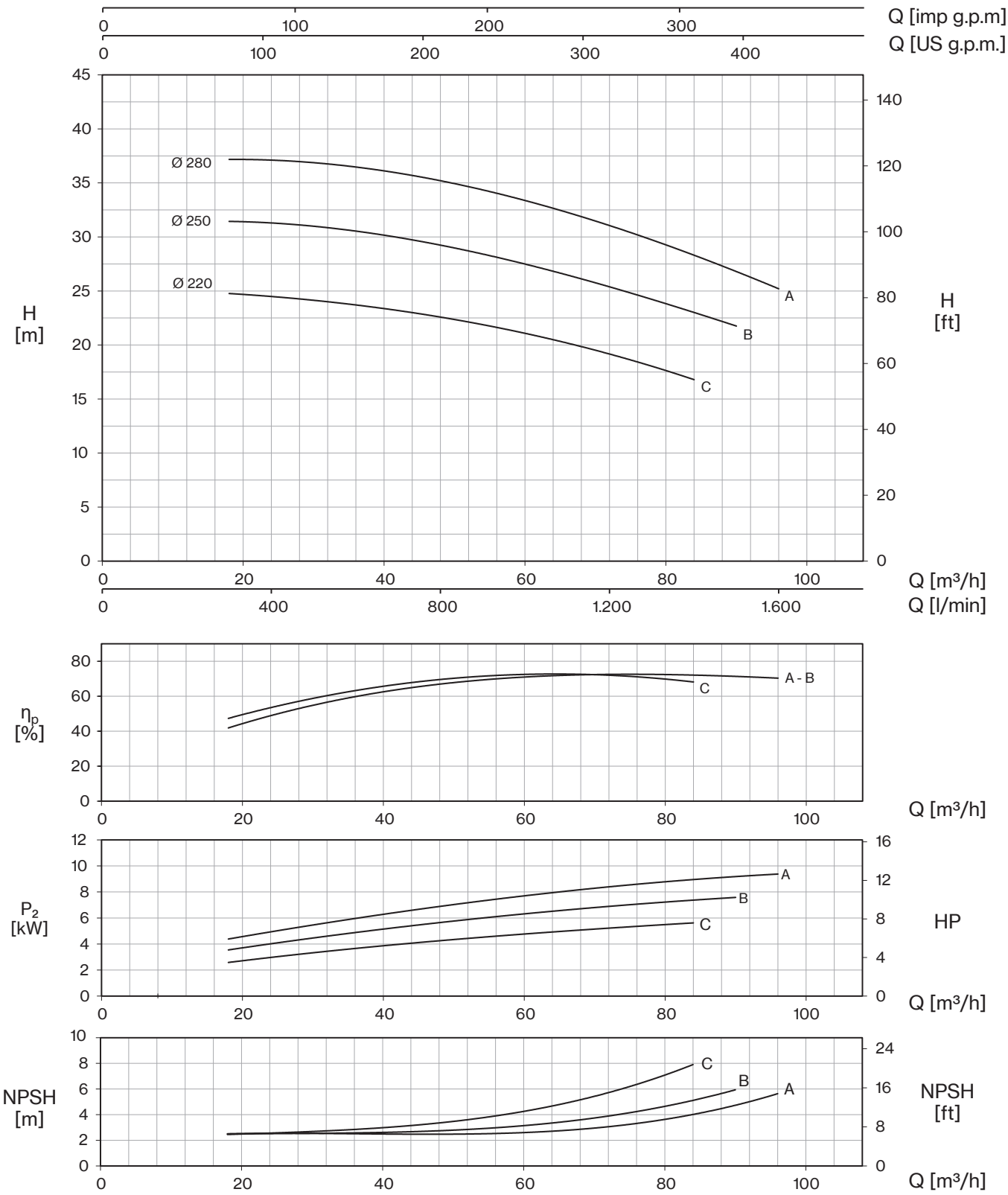
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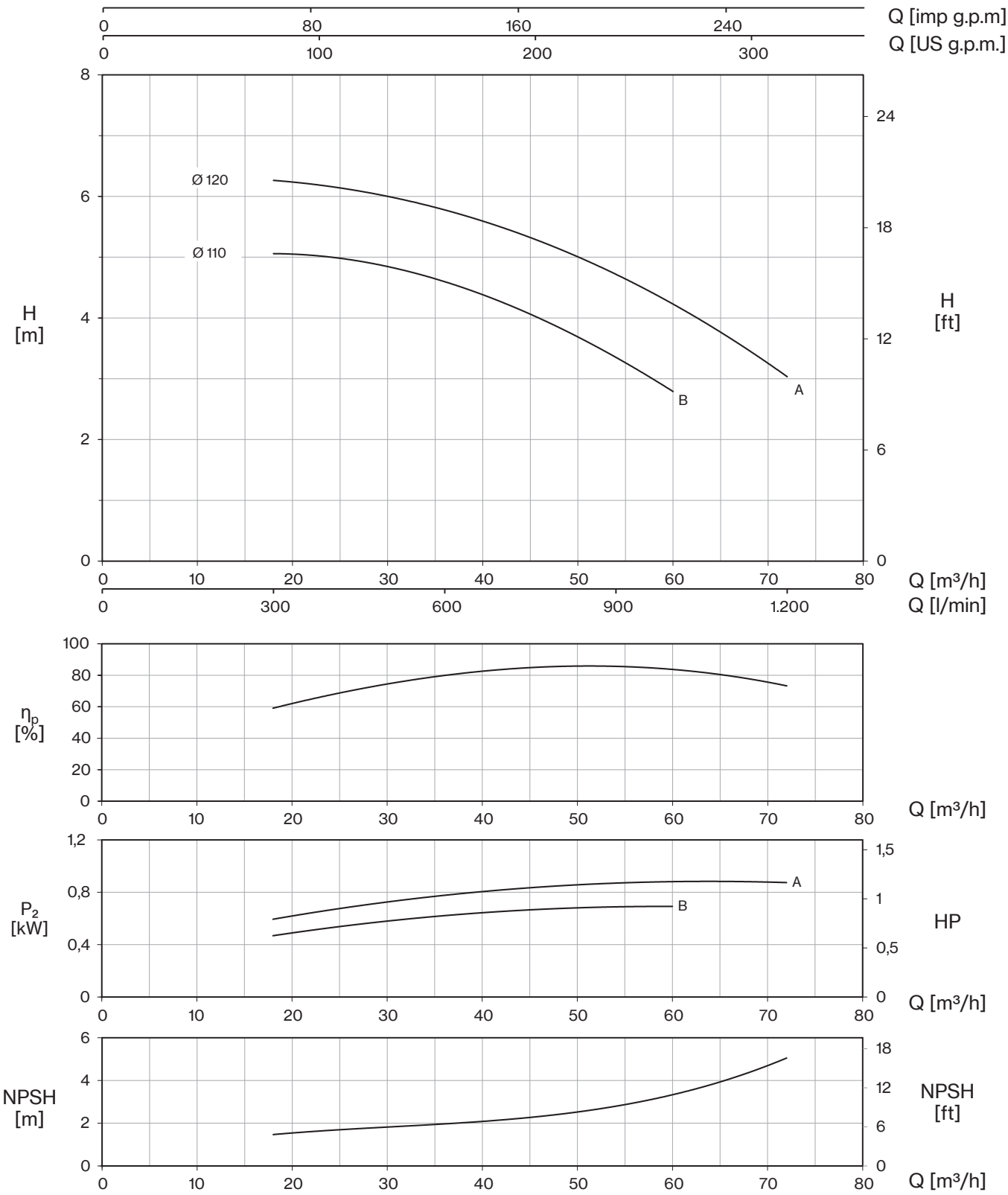
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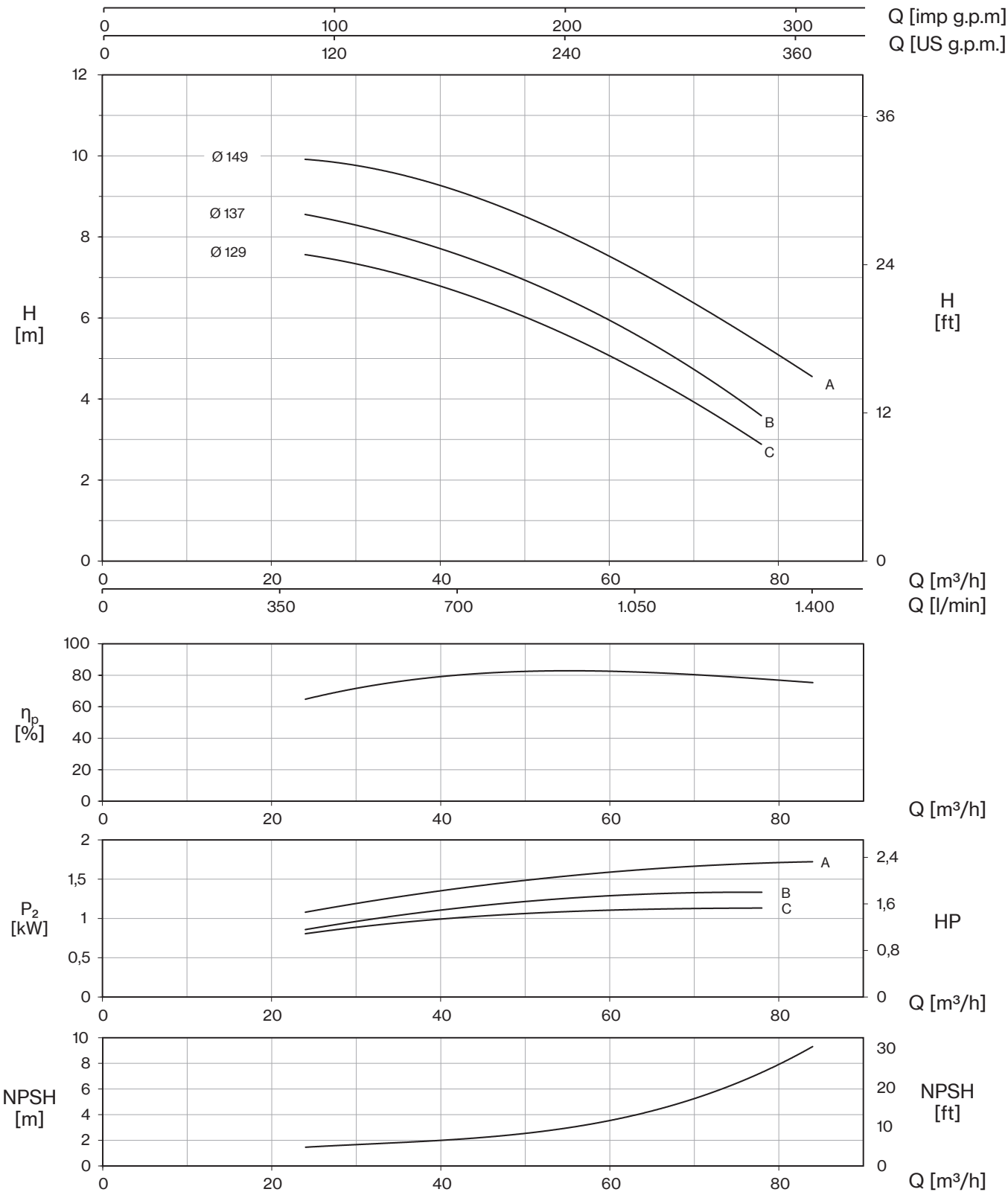
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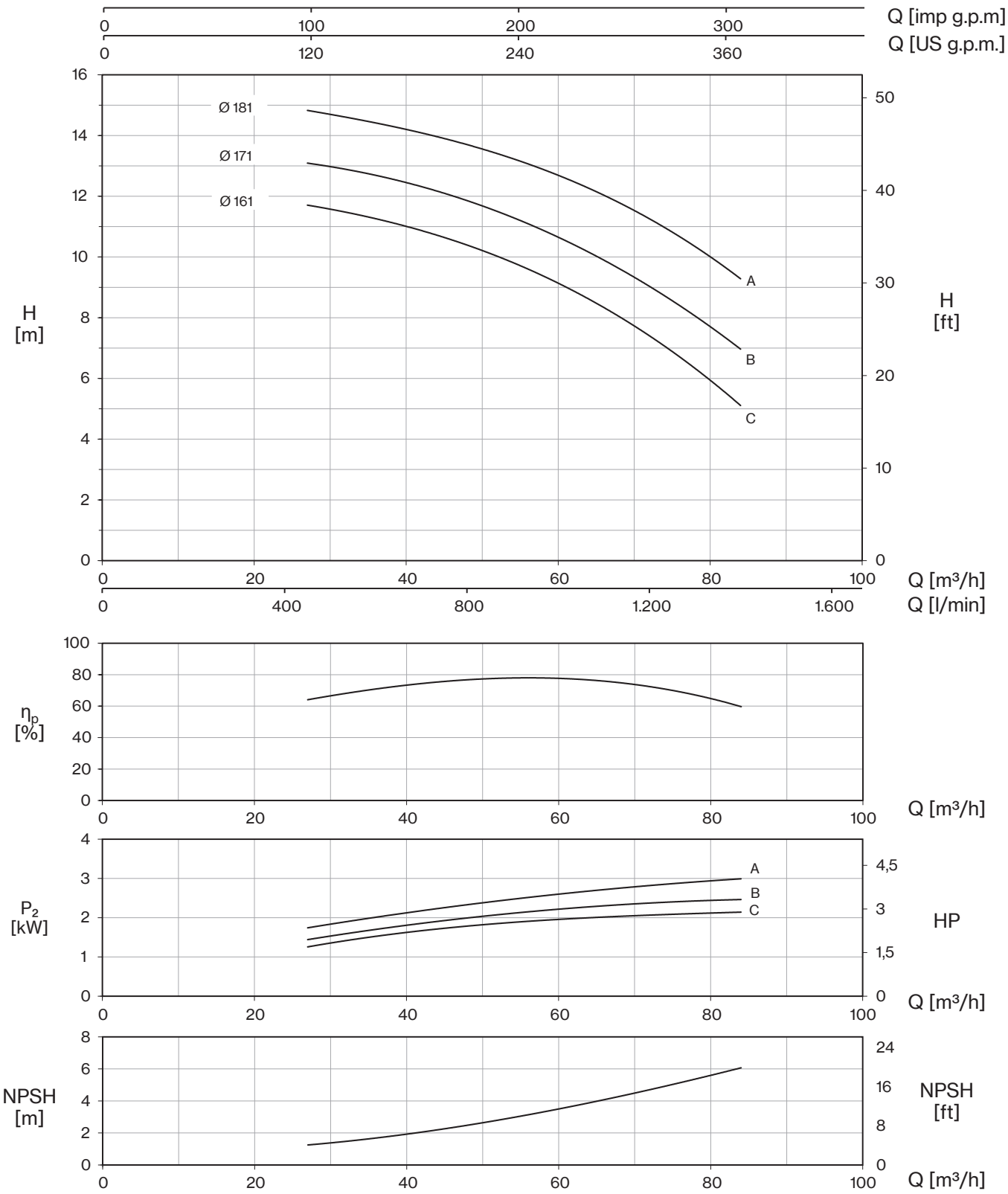
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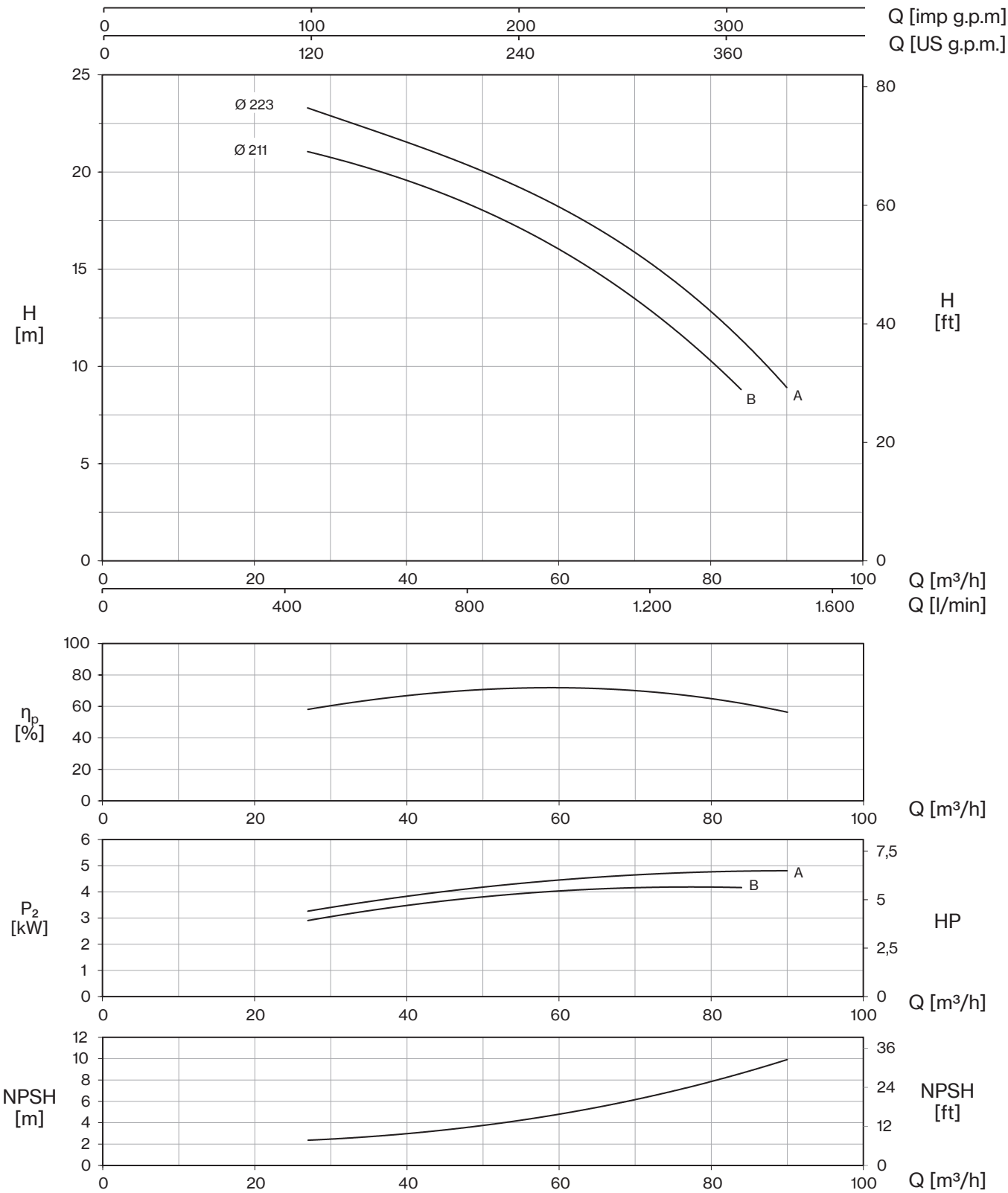
65-160



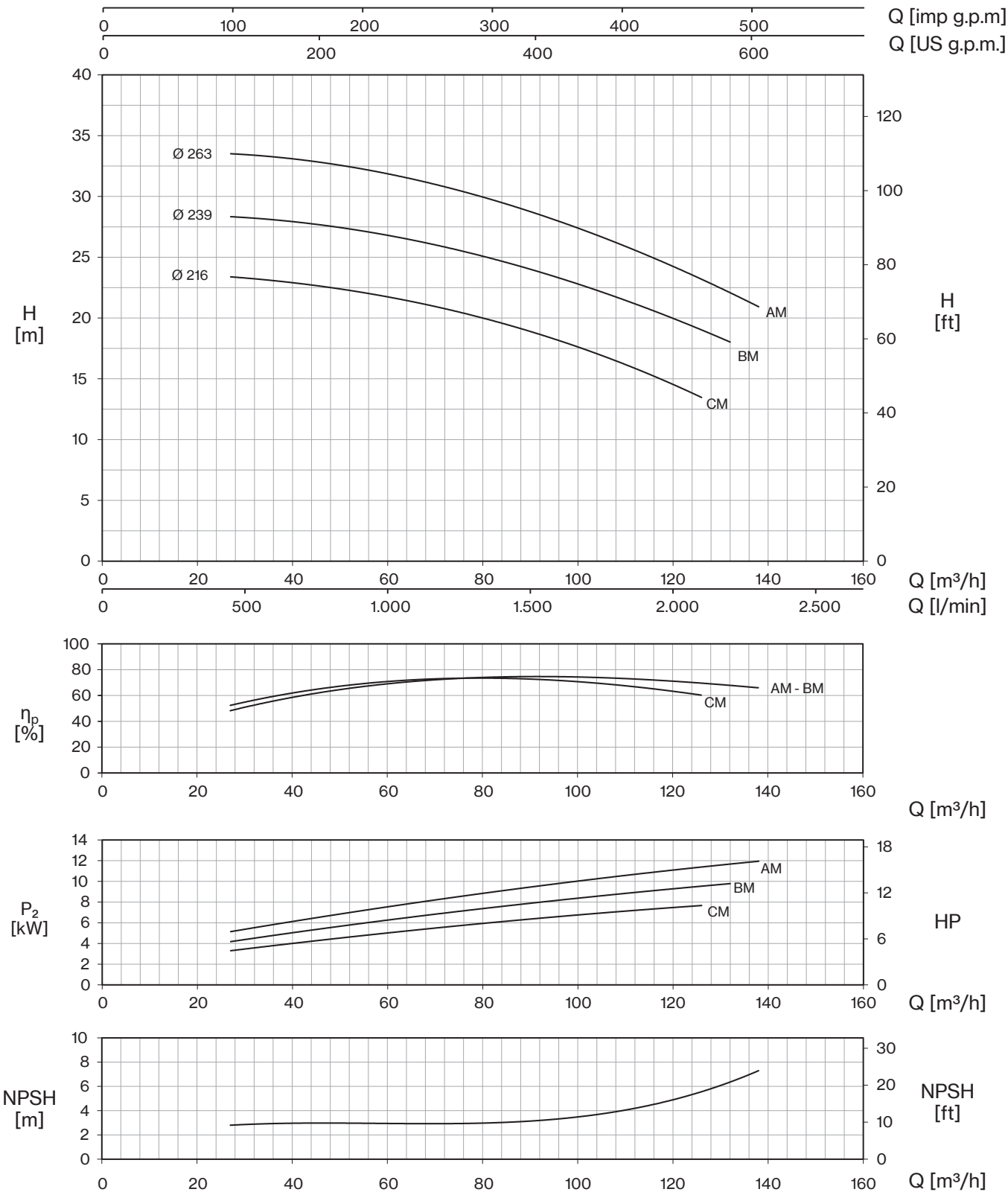
65-200



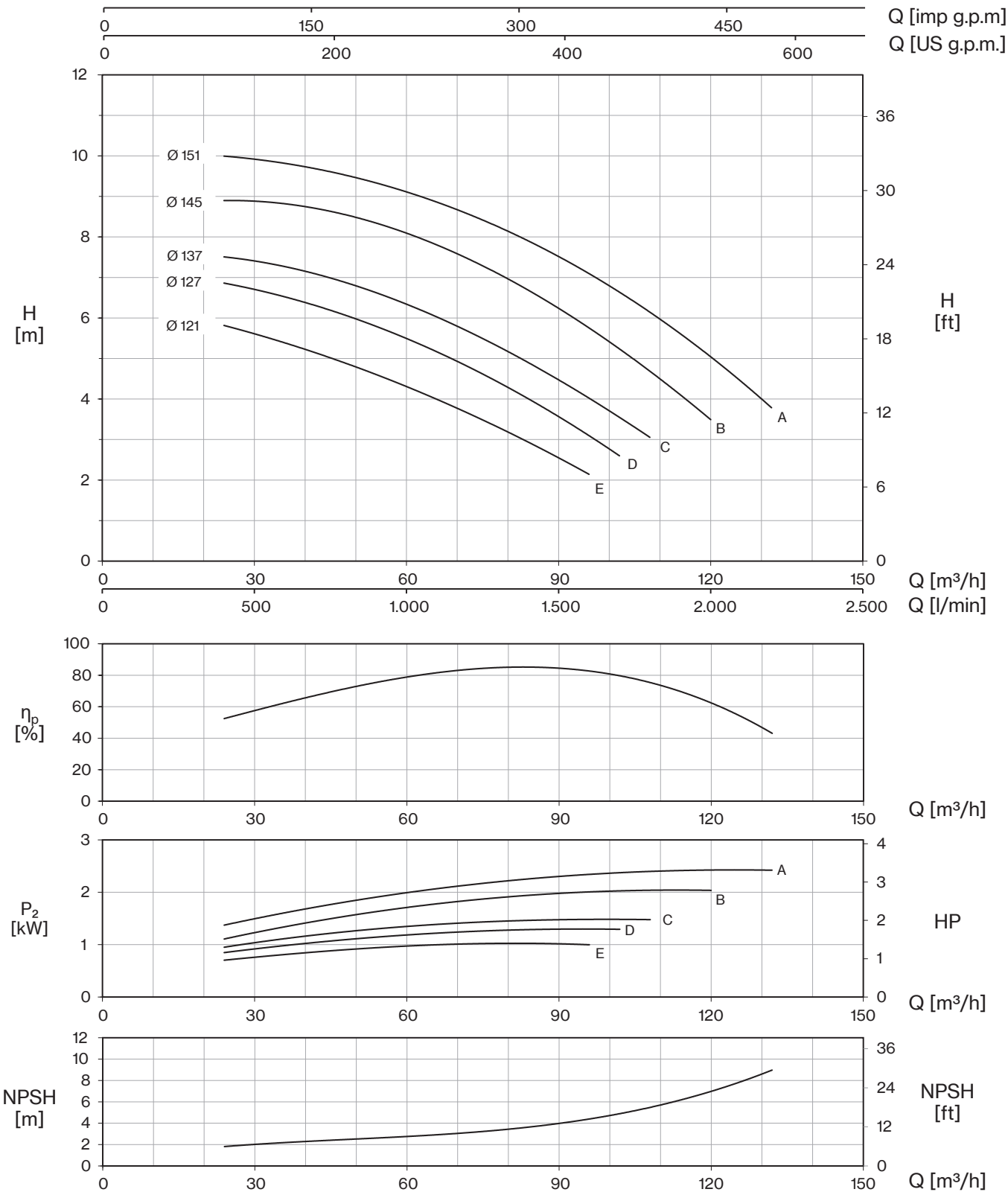
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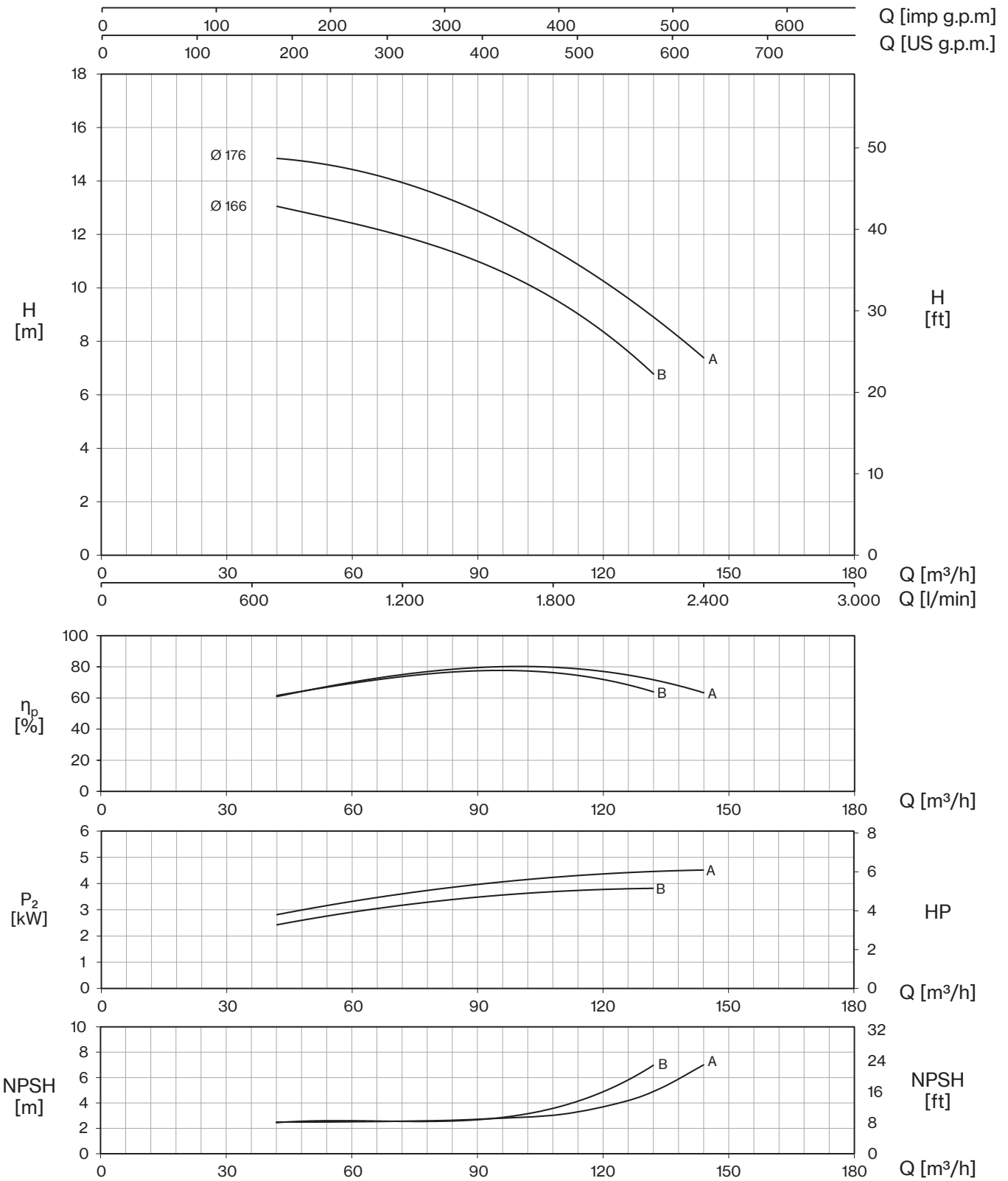
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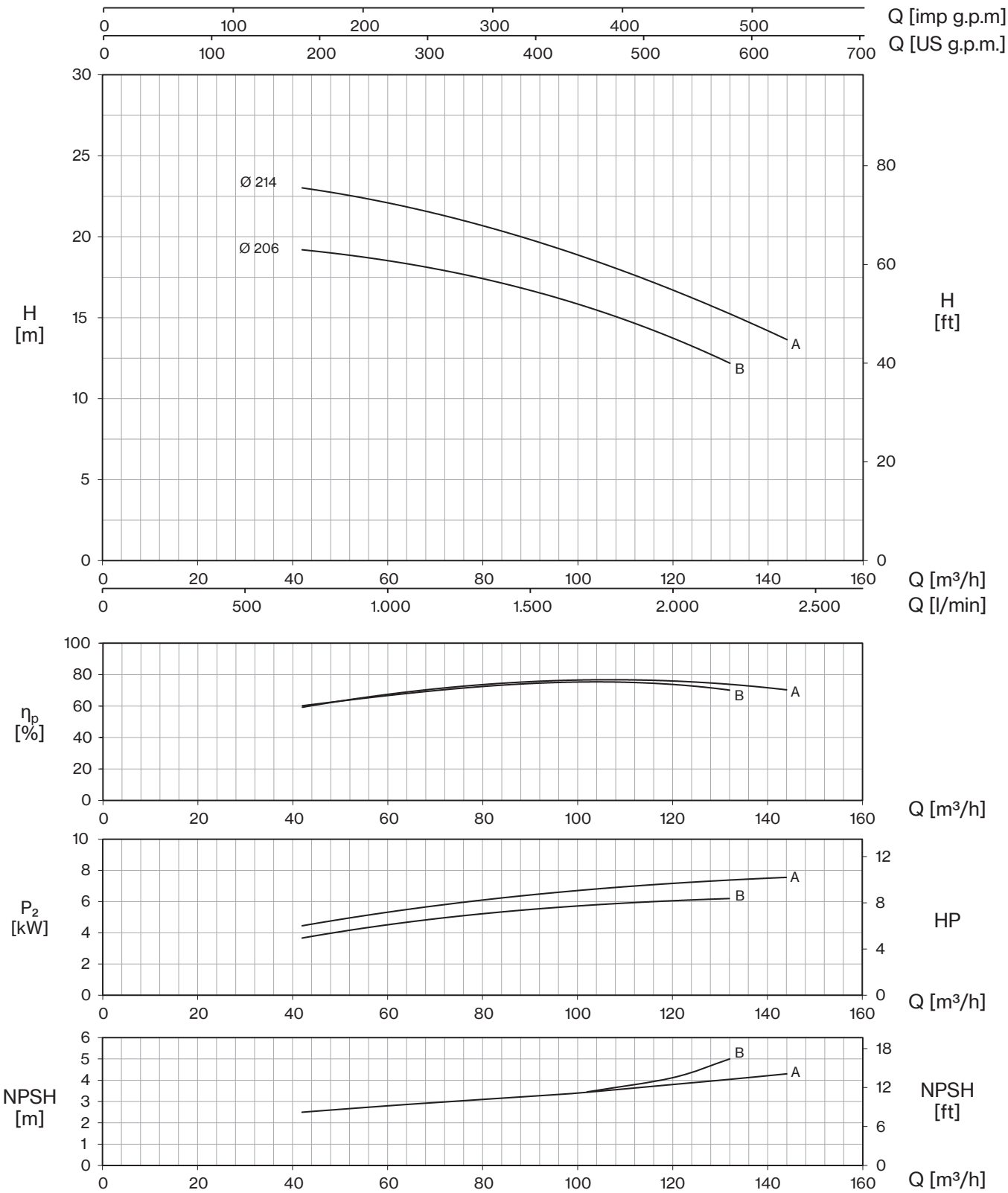
80-160



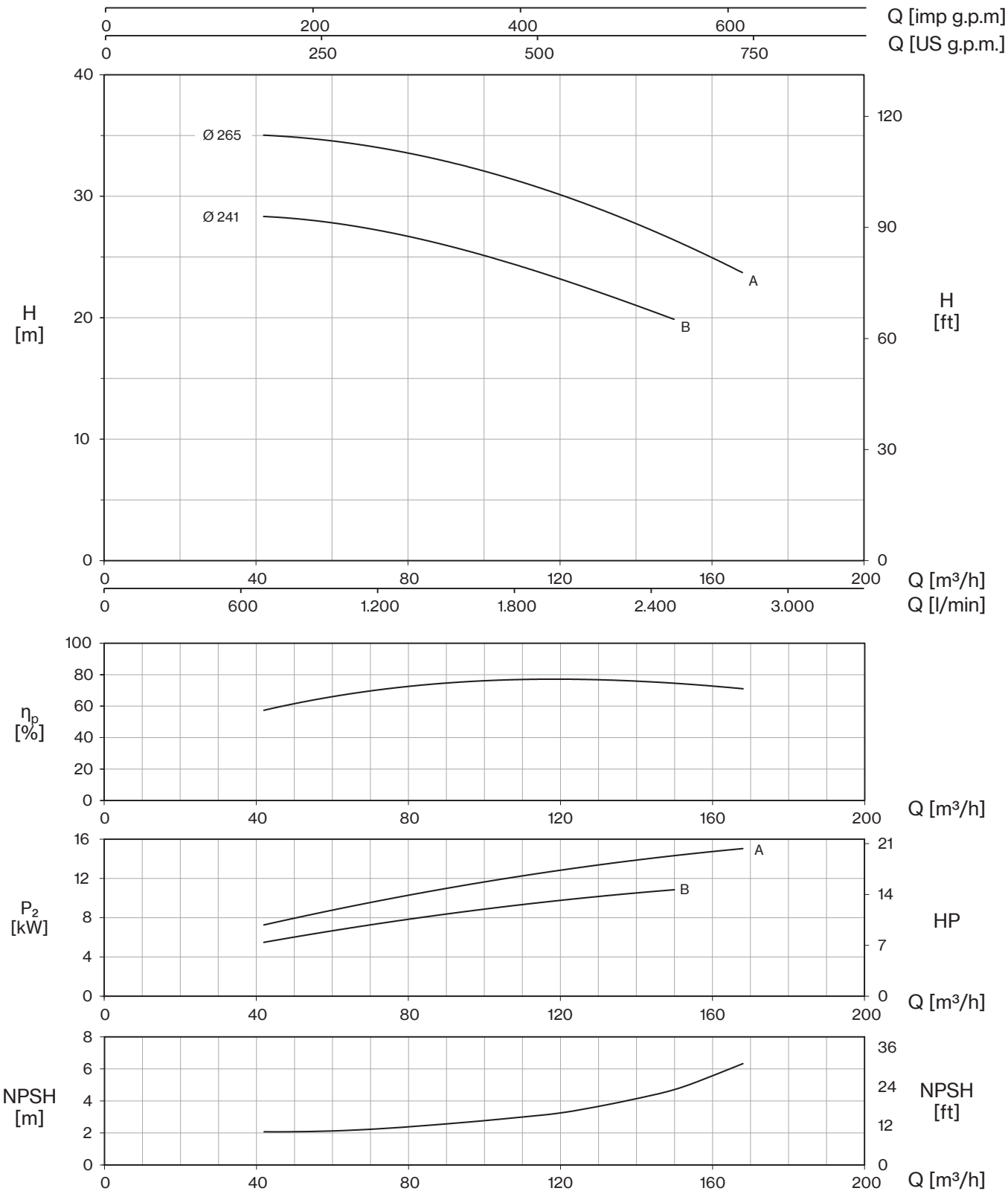
80-200



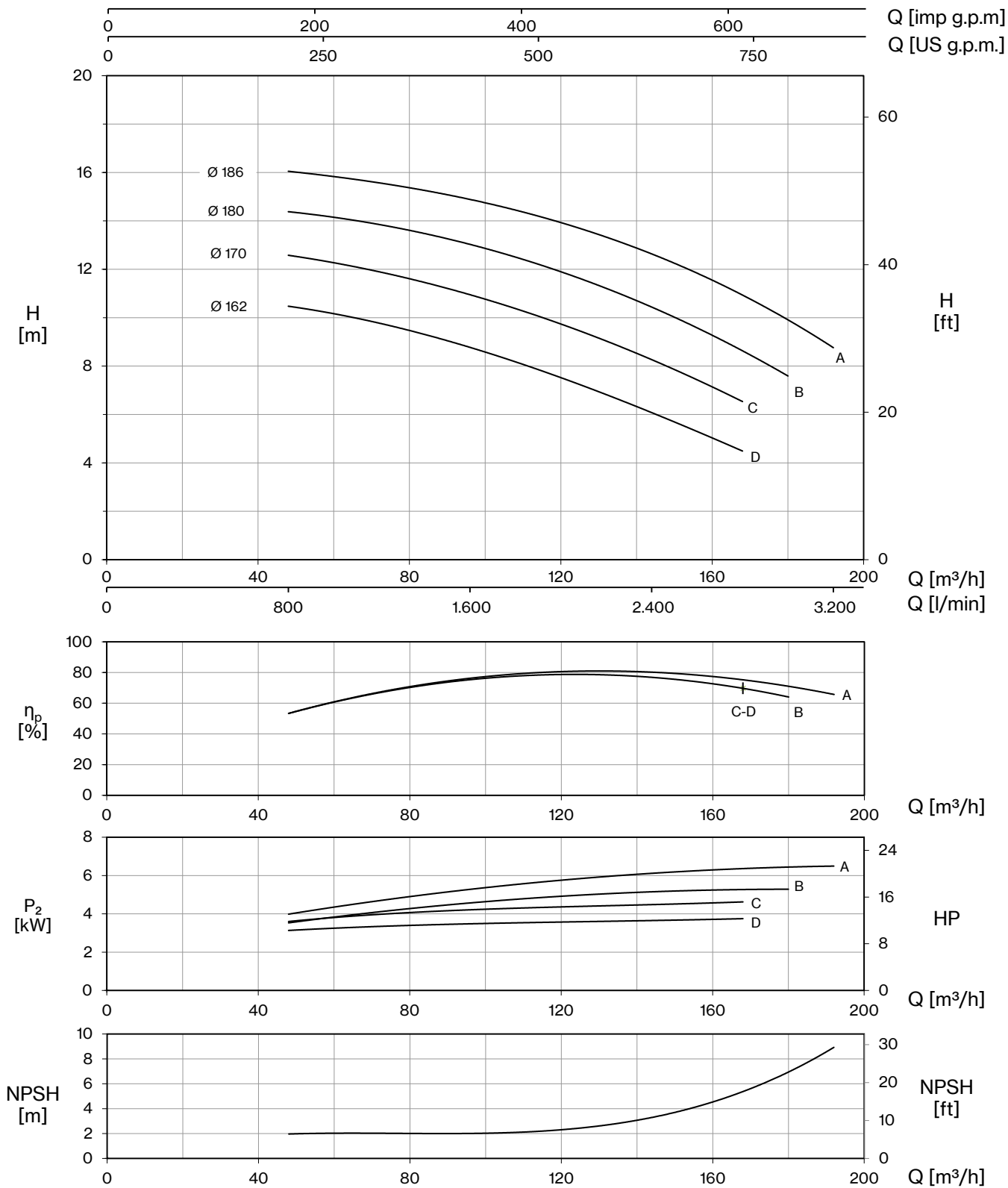
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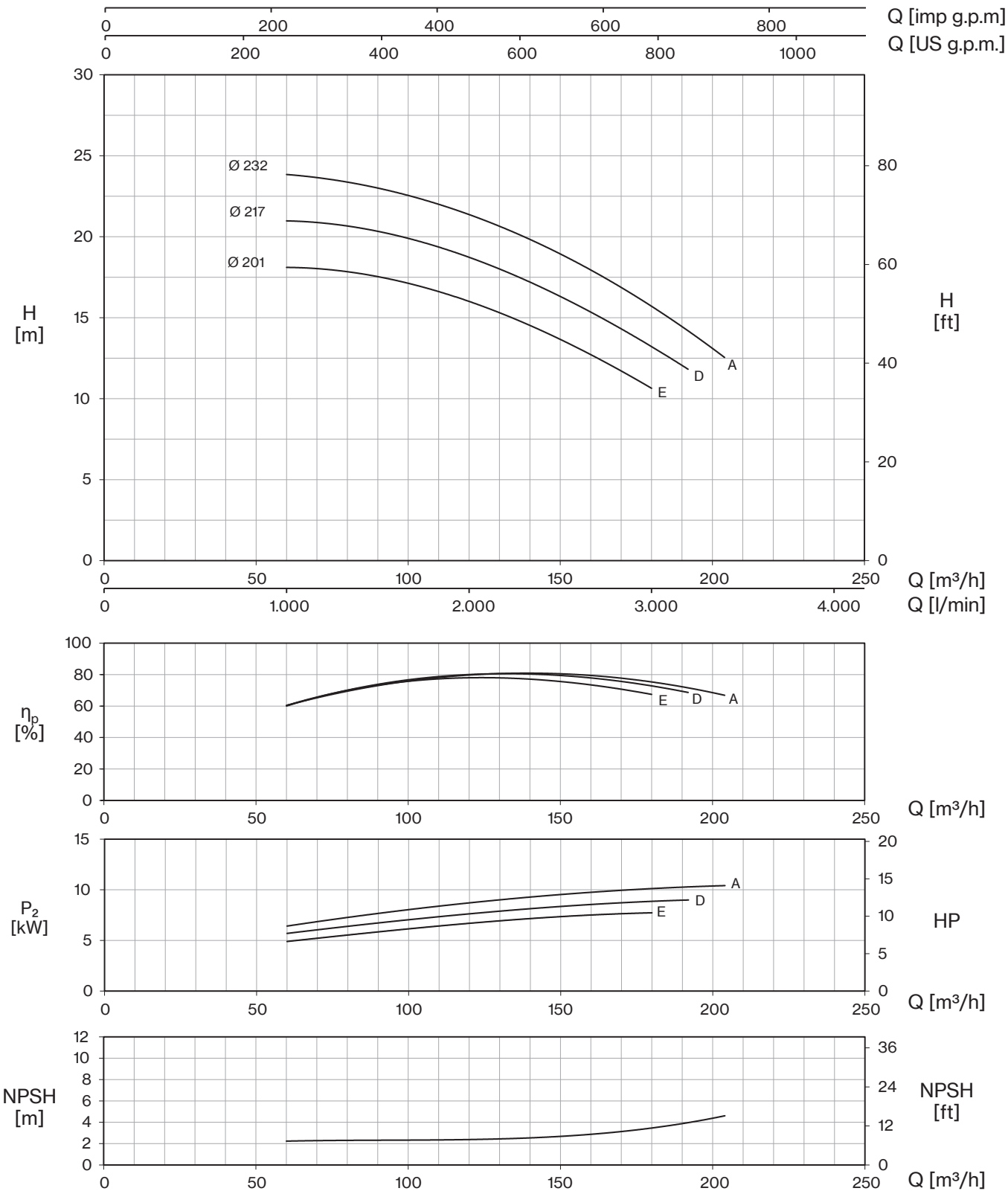
80-315



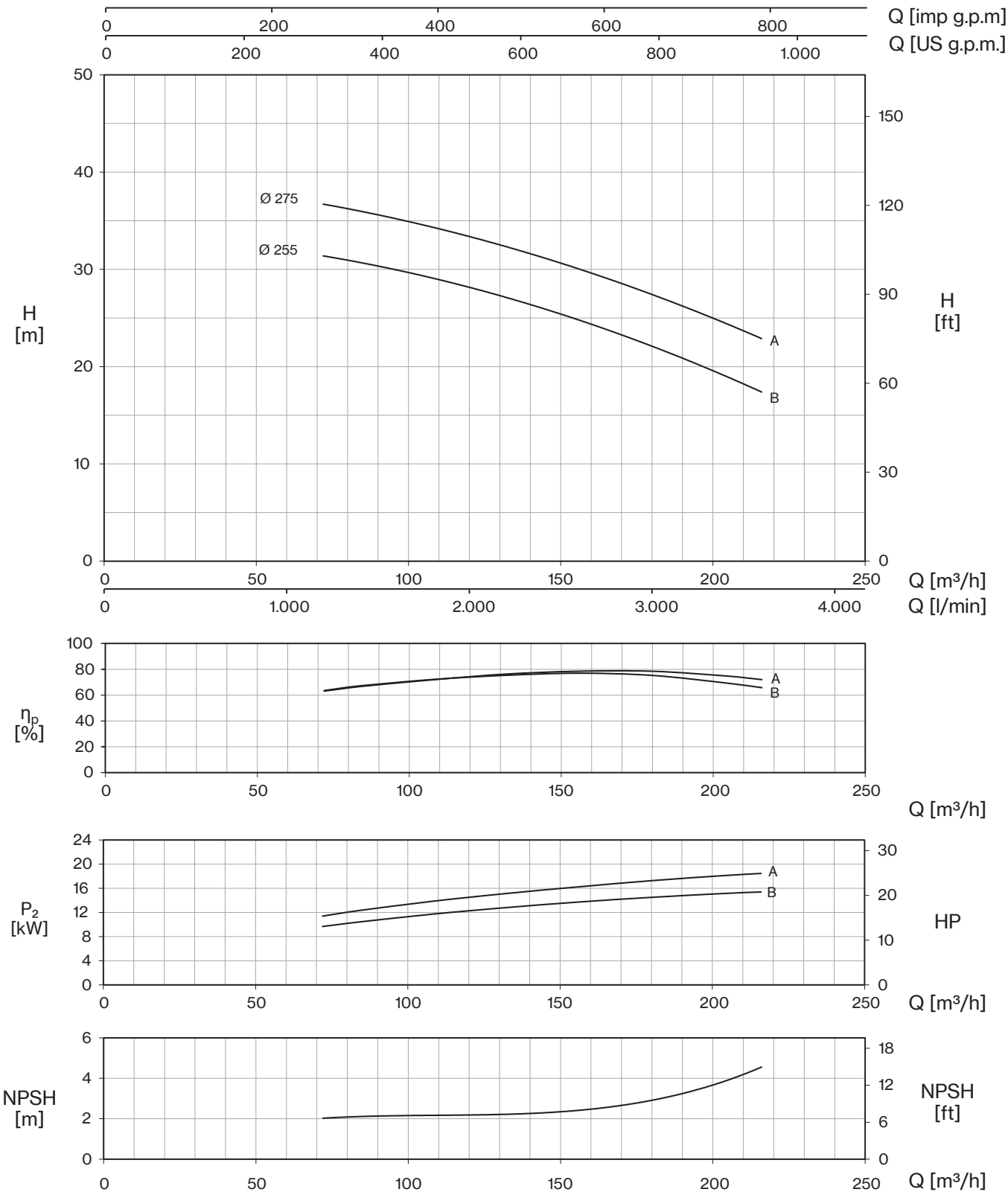
100-200



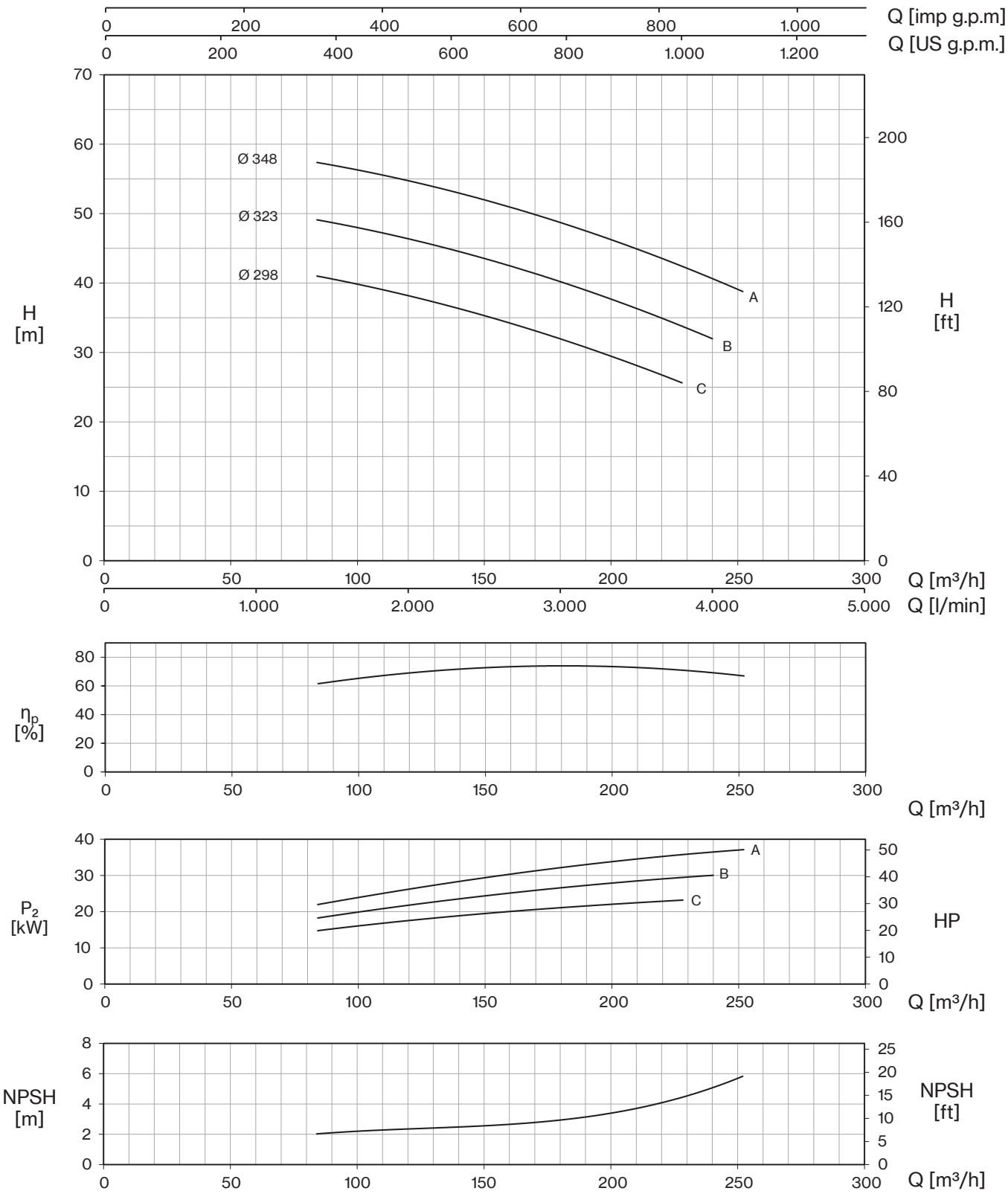
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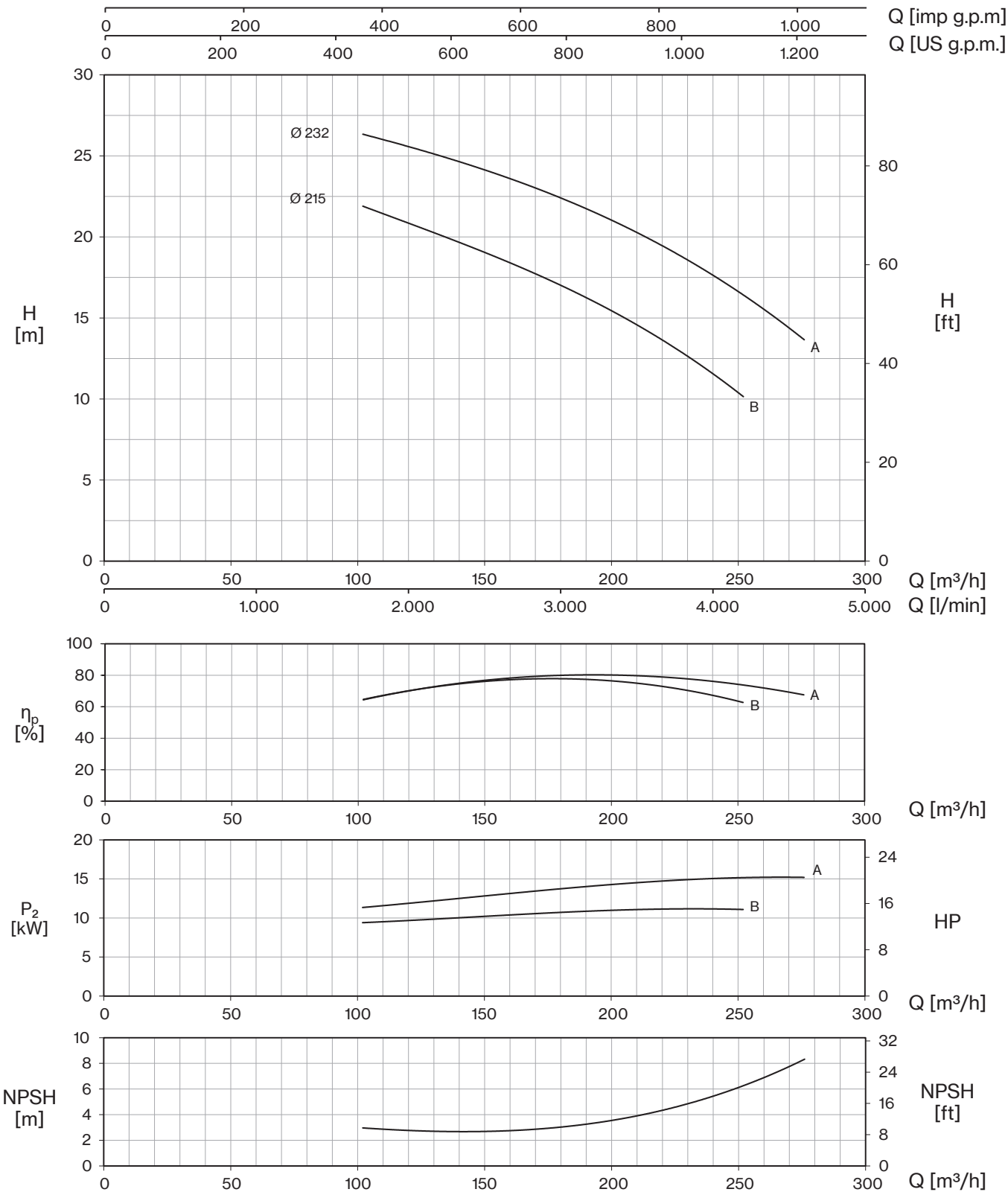
100-315



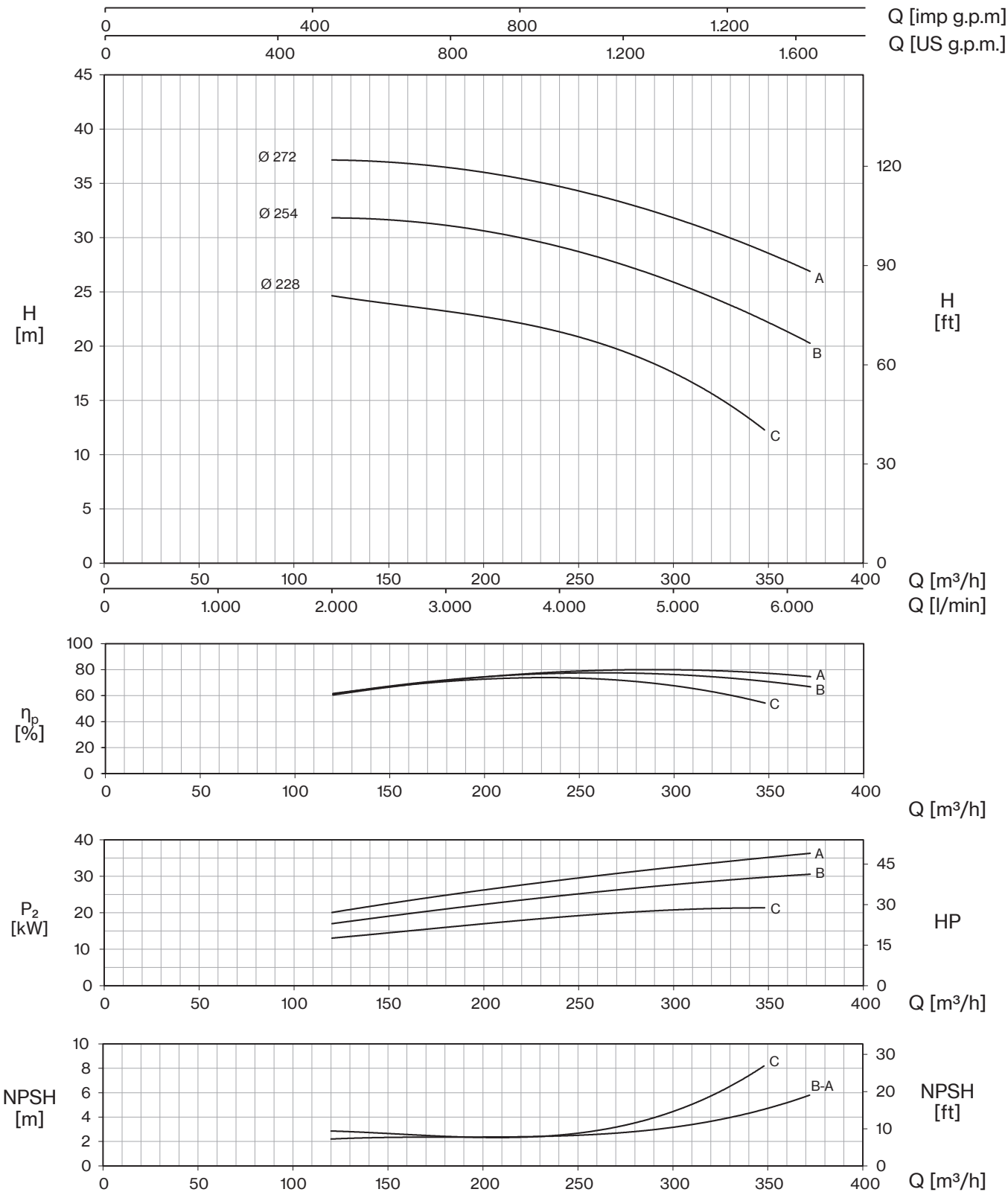
100-400



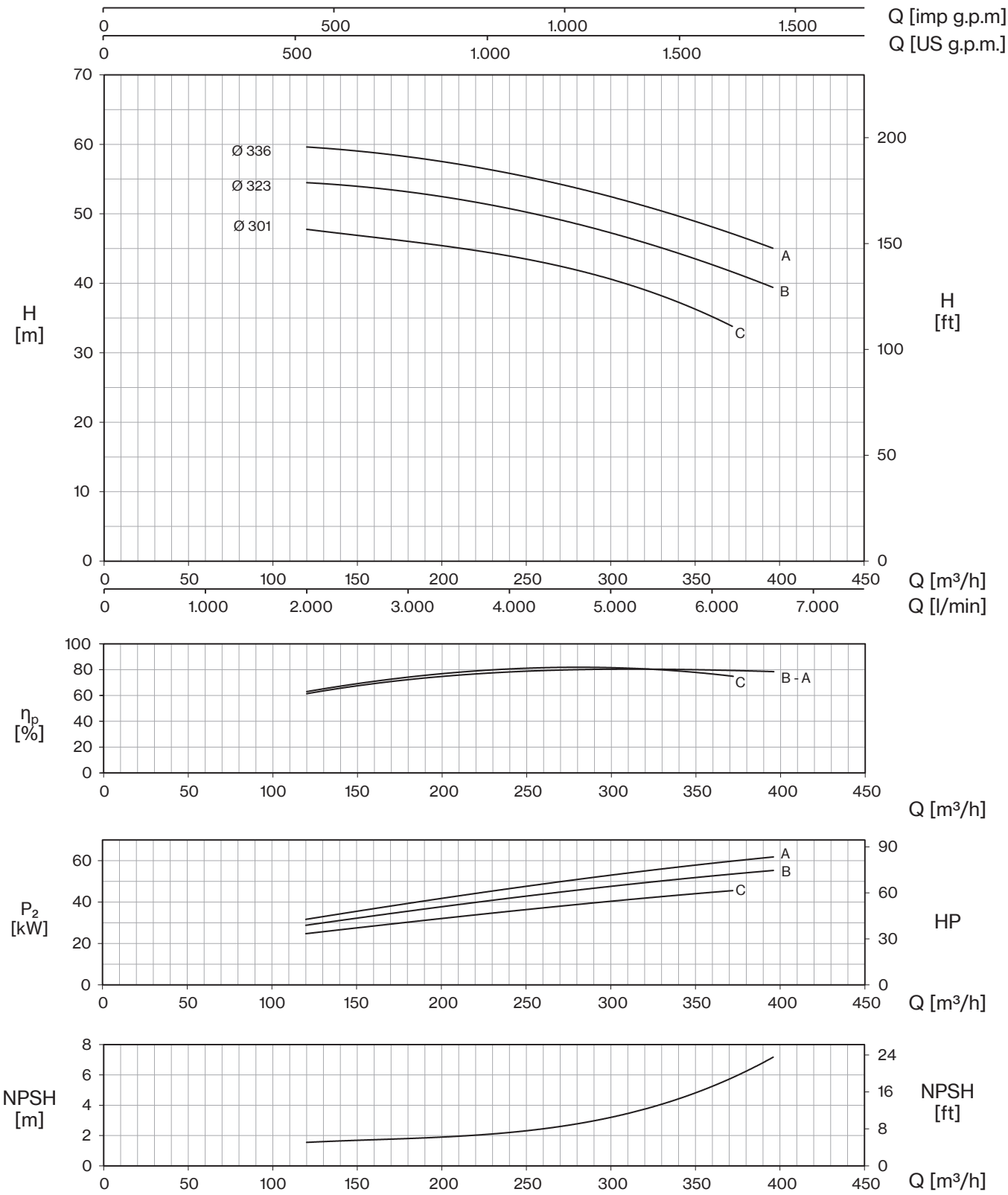
125-250



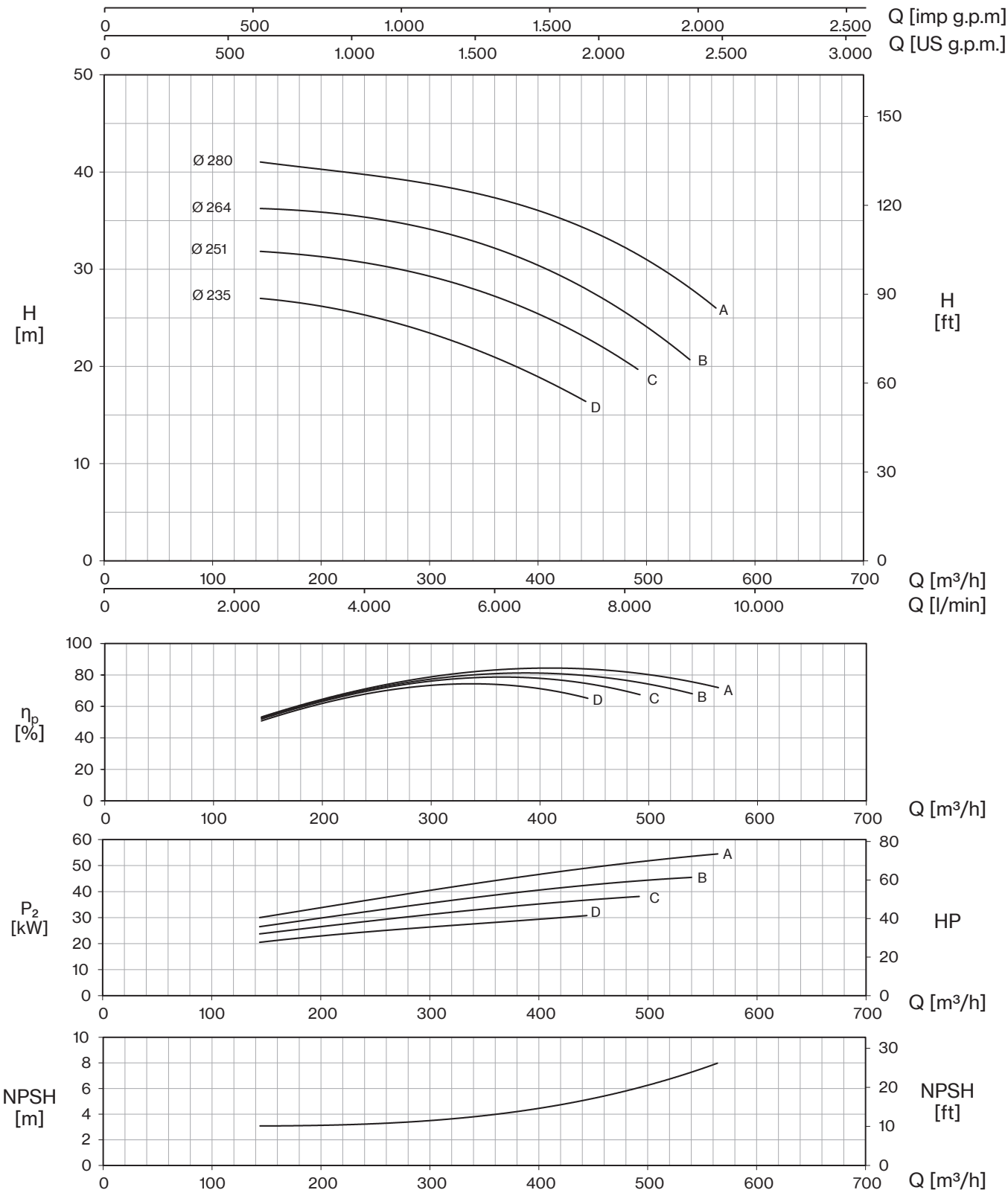
125-315



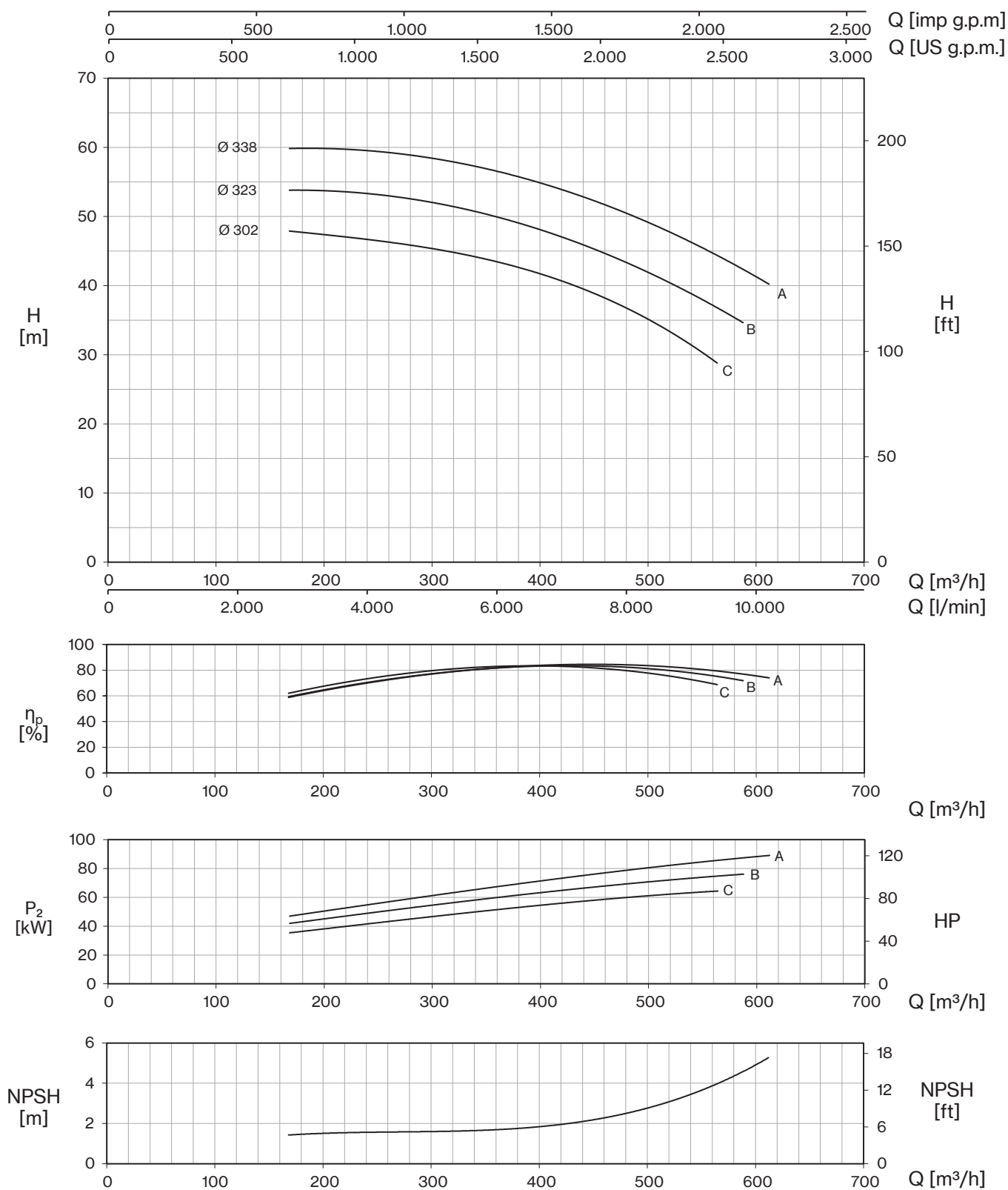
125-400



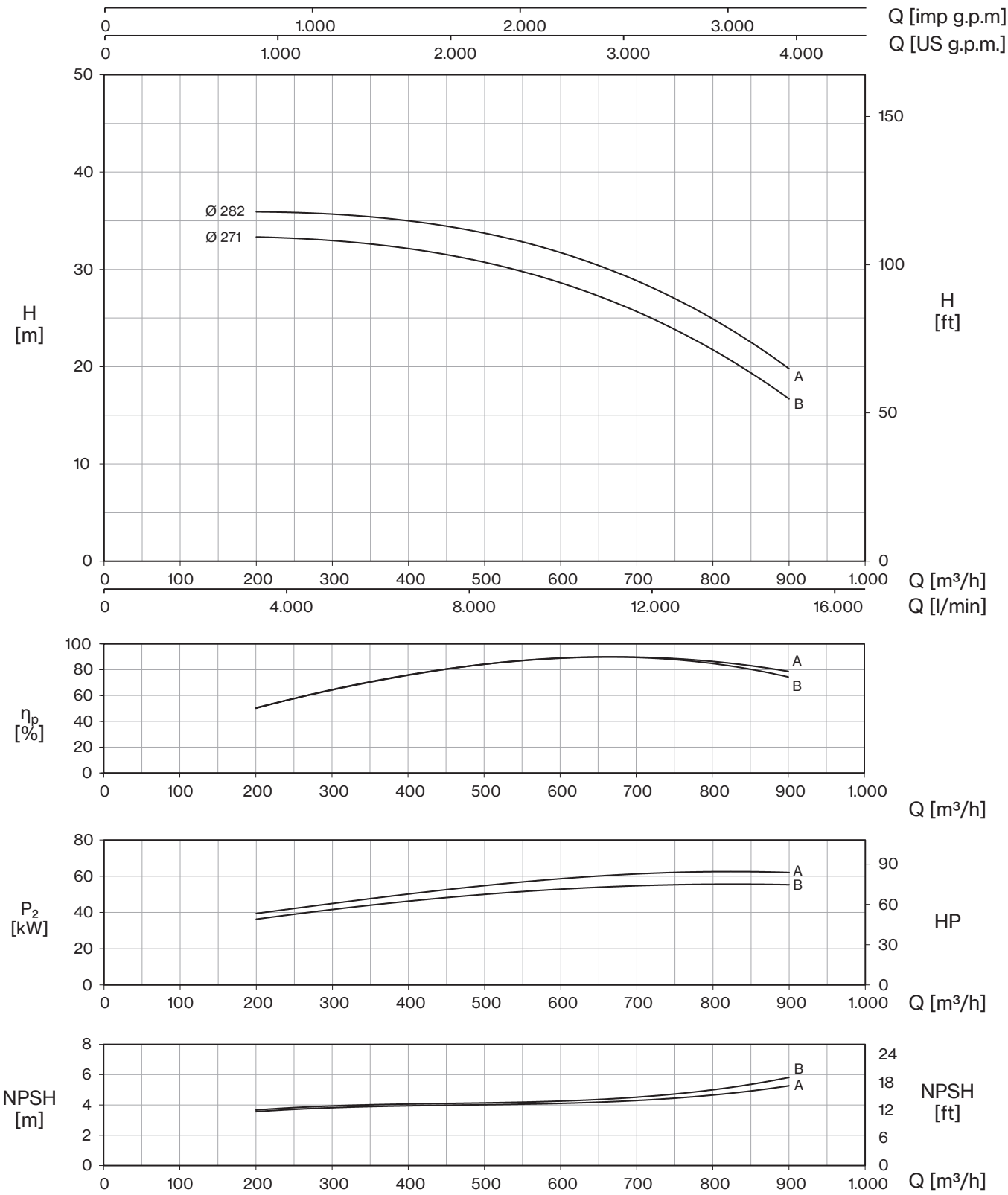
150-315



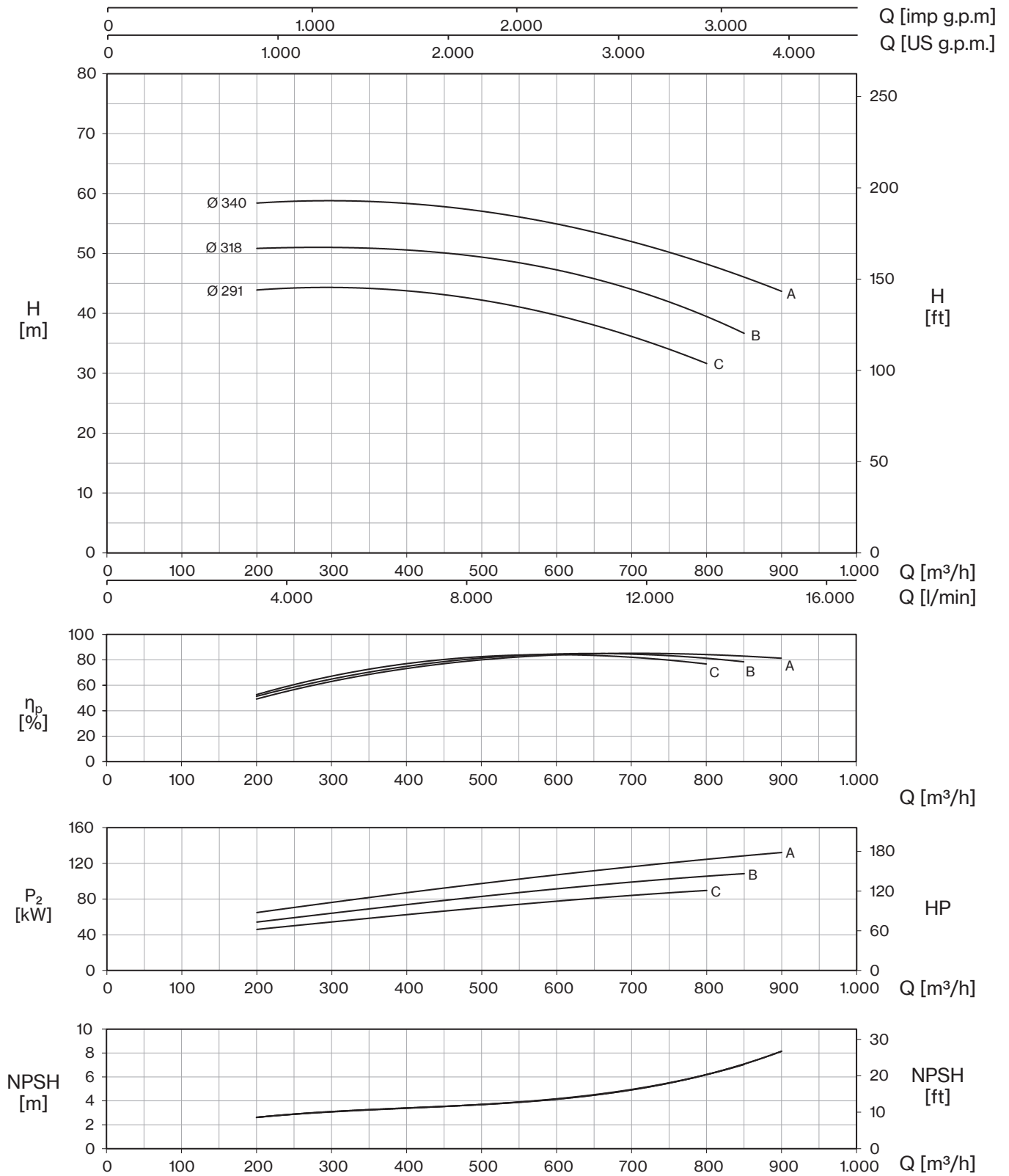
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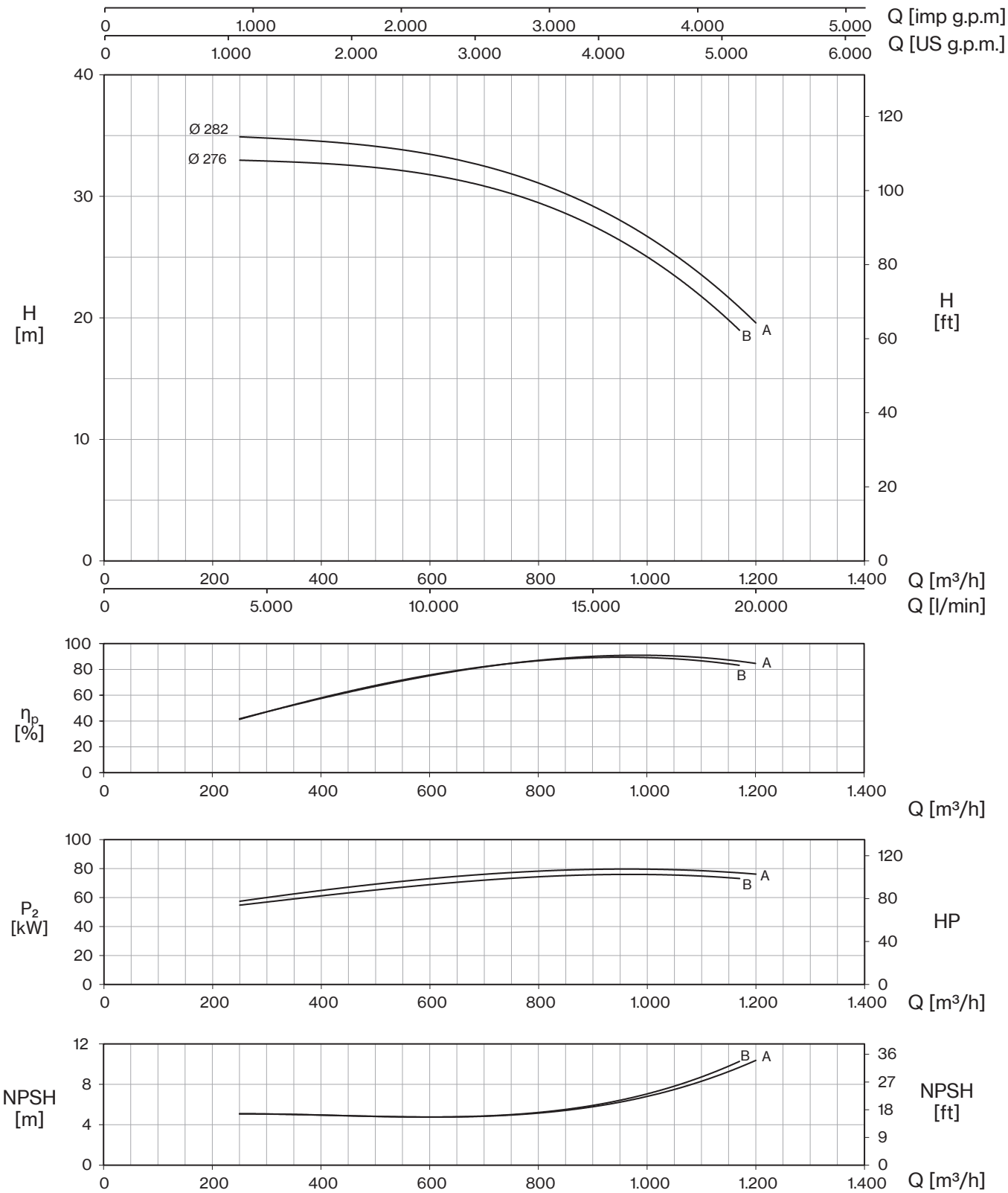
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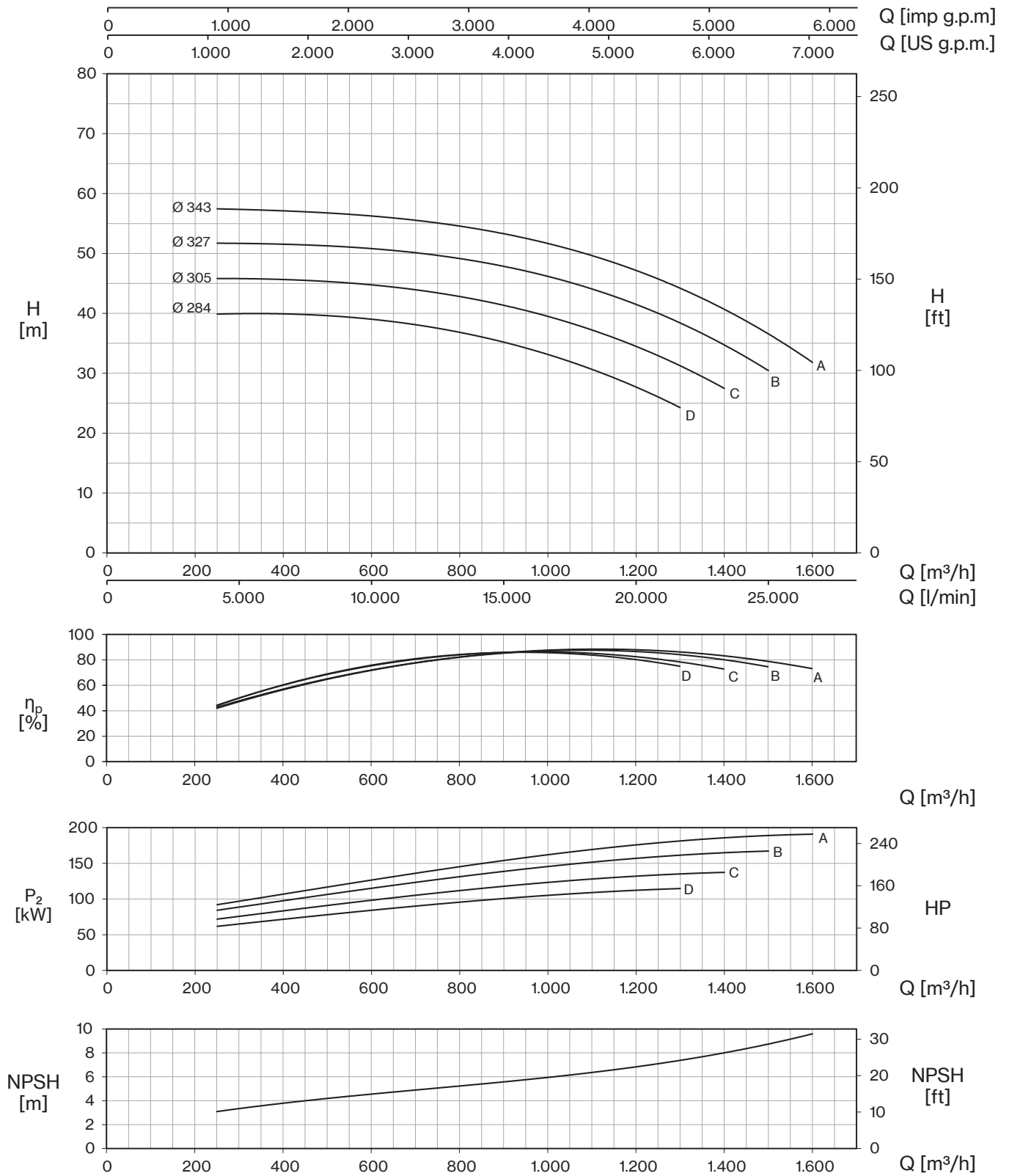
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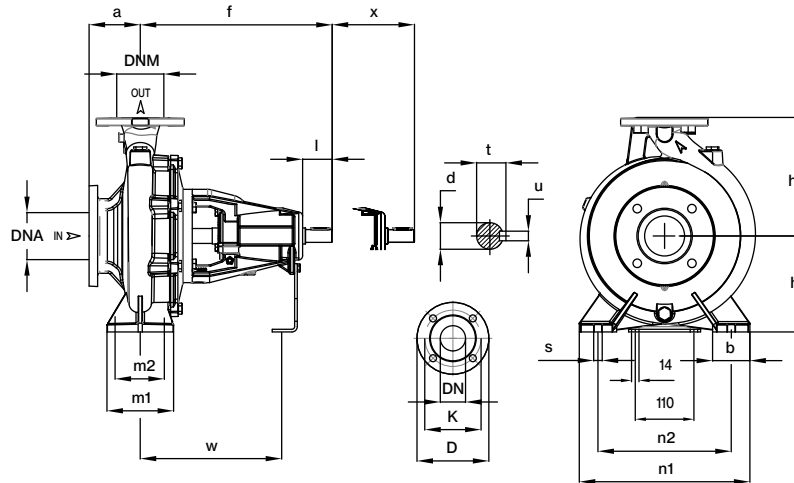


250-315



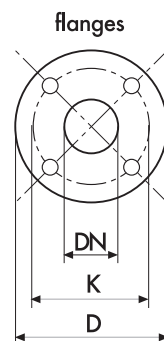
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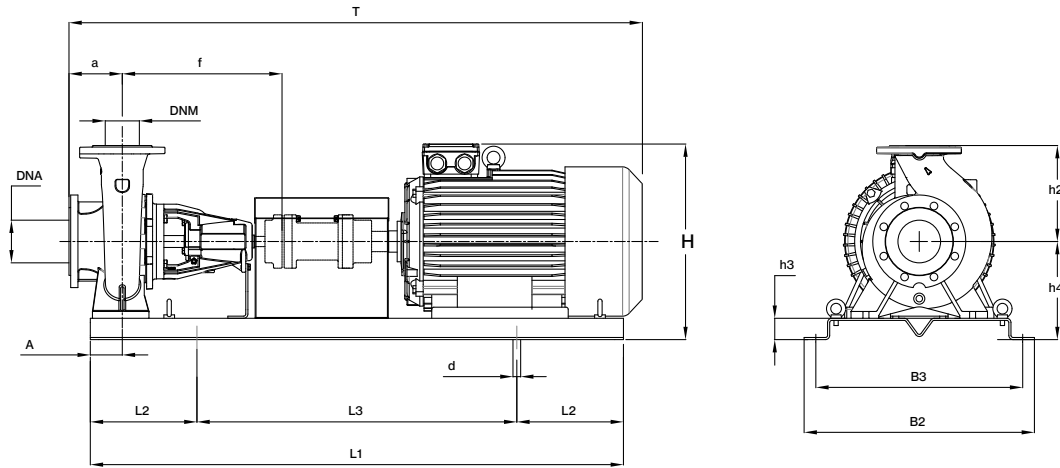


| TYPE    | DIMENSIONS (mm) |     |     |     |     |     |     |     |    |     |     |    |      |    |     |     |     |     |  |      |      | Kg    |
|---------|-----------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|----|-----|-----|-----|-----|-------------------------------------------------------------------------------------|------|------|-------|
|         | a               | f   | h1  | h2  | m1  | m2  | n1  | n2  | s  | b   | l   | d1 | t    | u  | x   | w   | DNA | DNM | I                                                                                   | L    | M    |       |
| 32-160  | 80              | 360 | 132 | 160 | 100 | 70  | 240 | 190 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 37,5  |
| 32-200  | 80              | 360 | 160 | 180 | 100 | 70  | 240 | 190 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 | 50  | 32  | 535                                                                                 | 320  | 445  | 40    |
| 32-250  | 100             | 360 | 180 | 225 | 125 | 95  | 320 | 250 | 14 | 65  | 65  | 24 | 27   | 8  | 100 | 260 |     |     | 545                                                                                 | 405  | 545  | 48,5  |
| 40-125  | 80              | 360 | 112 | 140 | 100 | 70  | 210 | 160 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 36,5  |
| 40-160  | 80              | 360 | 132 | 160 | 100 | 70  | 240 | 190 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 38,5  |
| 40-200  | 100             | 360 | 160 | 180 | 100 | 70  | 265 | 212 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 | 65  | 40  | 535                                                                                 | 320  | 445  | 42,5  |
| 40-250  | 100             | 360 | 180 | 225 | 125 | 95  | 320 | 250 | 14 | 65  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 545                                                                                 | 405  | 545  | 47,5  |
| 50-125  | 100             | 360 | 132 | 160 | 100 | 70  | 240 | 190 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 39    |
| 50-160  | 100             | 360 | 160 | 180 | 100 | 70  | 265 | 212 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 43    |
| 50-200  | 100             | 360 | 160 | 200 | 100 | 70  | 265 | 215 | 14 | 50  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 46    |
| 50-250  | 100             | 360 | 180 | 225 | 125 | 95  | 320 | 250 | 14 | 65  | 50  | 24 | 27   | 8  | 100 | 260 |     |     | 545                                                                                 | 405  | 545  | 52,5  |
| 50-315  | 125             | 470 | 225 | 280 | 125 | 95  | 345 | 280 | 14 | 65  | 80  | 32 | 35,3 | 10 | 100 | 340 | 80  |     | 655                                                                                 | 465  | 620  | 93    |
| 65-125  | 100             | 360 | 160 | 180 | 125 | 95  | 280 | 212 | 14 | 65  | 65  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 44,5  |
| 65-160  | 100             | 360 | 160 | 200 | 125 | 95  | 280 | 212 | 14 | 65  | 65  | 24 | 27   | 8  | 100 | 260 |     |     | 535                                                                                 | 320  | 445  | 48,5  |
| 65-200  | 100             | 360 | 180 | 225 | 125 | 95  | 320 | 250 | 14 | 65  | 65  | 24 | 27   | 8  | 140 | 260 |     |     | 545                                                                                 | 405  | 545  | 53    |
| 65-250  | 100             | 470 | 200 | 250 | 160 | 120 | 360 | 280 | 19 | 80  | 80  | 32 | 35   | 10 | 140 | 340 |     |     | 545                                                                                 | 405  | 545  | 76    |
| 65-315  | 125             | 470 | 225 | 280 | 160 | 120 | 400 | 315 | 19 | 80  | 80  | 32 | 35   | 10 | 140 | 340 |     |     | 655                                                                                 | 465  | 620  | 99,5  |
| 80-160  | 125             | 360 | 180 | 225 | 125 | 95  | 320 | 250 | 14 | 65  | 50  | 24 | 27   | 8  | 140 | 260 |     |     | 545                                                                                 | 405  | 545  | 57,5  |
| 80-200  | 125             | 470 | 180 | 250 | 125 | 95  | 345 | 280 | 14 | 65  | 80  | 32 | 35   | 10 | 140 | 340 |     |     | 680                                                                                 | 405  | 545  | 73    |
| 80-250  | 125             | 470 | 200 | 280 | 160 | 120 | 400 | 315 | 18 | 80  | 80  | 32 | 35,3 | 10 | 140 | 340 |     |     | 655                                                                                 | 465  | 585  | 89,5  |
| 80-315  | 125             | 470 | 250 | 315 | 160 | 120 | 400 | 315 | 18 | 80  | 80  | 32 | 35,3 | 10 | 140 | 340 |     |     | 655                                                                                 | 465  | 620  | 106   |
| 100-200 | 125             | 470 | 200 | 280 | 160 | 120 | 360 | 286 | 18 | 80  | 80  | 32 | 35,3 | 10 | 140 | 340 |     |     | 655                                                                                 | 465  | 620  | 95    |
| 100-250 | 140             | 470 | 225 | 280 | 160 | 120 | 400 | 315 | 18 | 80  | 80  | 32 | 35,3 | 10 | 140 | 340 |     |     | 655                                                                                 | 465  | 620  | 103   |
| 100-315 | 140             | 470 | 250 | 315 | 160 | 120 | 400 | 315 | 18 | 80  | 80  | 32 | 35,3 | 10 | 140 | 340 |     |     | 655                                                                                 | 465  | 620  | 122   |
| 100-400 | 140             | 530 | 280 | 355 | 200 | 150 | 500 | 400 | 22 | 100 | 110 | 42 | 45,3 | 12 | 140 | 370 |     |     | 720                                                                                 | 775  | 855  | 183,5 |
| 125-250 | 140             | 470 | 315 | 355 | 200 | 150 | 400 | 315 | 22 | 100 | 110 | 32 | 45,3 | 12 | 140 | 370 |     |     | 655                                                                                 | 465  | 620  | 132   |
| 125-315 | 140             | 530 | 280 | 355 | 200 | 150 | 500 | 400 | 22 | 100 | 110 | 42 | 45,3 | 12 | 140 | 370 |     |     | 720                                                                                 | 775  | 855  | 169   |
| 125-400 | 140             | 530 | 315 | 400 | 200 | 150 | 500 | 400 | 22 | 100 | 110 | 42 | 45,3 | 12 | 140 | 370 |     |     | 720                                                                                 | 775  | 855  | 190,5 |
| 150-315 | 160             | 530 | 280 | 400 | 200 | 150 | 550 | 450 | 22 | 100 | 110 | 42 | 45,3 | 12 | 140 | 370 |     |     | 655                                                                                 | 465  | 620  | 186,5 |
| 150-400 | 160             | 530 | 315 | 450 | 200 | 150 | 550 | 450 | 22 | 100 | 110 | 42 | 45,3 | 12 | 140 | 370 |     |     | 720                                                                                 | 775  | 855  | 214   |
| 200-315 | 180             | 706 | 355 | 450 | 250 | 190 | 634 | 500 | 28 | 134 | 110 | 55 | 58,3 | 16 | 208 | 523 |     |     | 800                                                                                 | 1200 | 1150 | 345   |
| 200-400 | 180             | 706 | 355 | 500 | 250 | 190 | 634 | 500 | 28 | 134 | 110 | 55 | 58,3 | 16 | 214 | 523 |     |     | 800                                                                                 | 1200 | 1150 | 346   |
| 250-315 | 225             | 711 | 400 | 500 | 250 | 200 | 694 | 560 | 28 | 134 | 110 | 55 | 58,3 | 16 | 214 | 528 |     |     | 800                                                                                 | 1200 | 1070 | 401,5 |
| 250-400 | 225             | 706 | 400 | 550 | 250 | 200 | 694 | 560 | 28 | 134 | 110 | 55 | 58,3 | 16 | 220 | 523 |     |     | 800                                                                                 | 1200 | 1120 | 393   |

| DIMENSIONS (mm) |     |     |       |    |
|-----------------|-----|-----|-------|----|
| DN              | D   | K   | holes |    |
|                 |     |     | n°    | Ø  |
| 32              | 140 | 100 | 4     | 18 |
| 40              | 150 | 110 | 4     | 18 |
| 50              | 165 | 125 | 4     | 18 |
| 65              | 185 | 145 | 4     | 18 |
| 80              | 200 | 160 | 8     | 18 |
| 100             | 220 | 180 | 8     | 18 |
| 125             | 250 | 210 | 8     | 18 |
| 150             | 285 | 240 | 8     | 23 |
| 200             | 340 | 295 | 8     | 23 |
| 250             | 395 | 350 | 12    | 23 |
| 300             | 445 | 400 | 12    | 23 |



# CA-CAX EN 733 ~ 3500 rpm

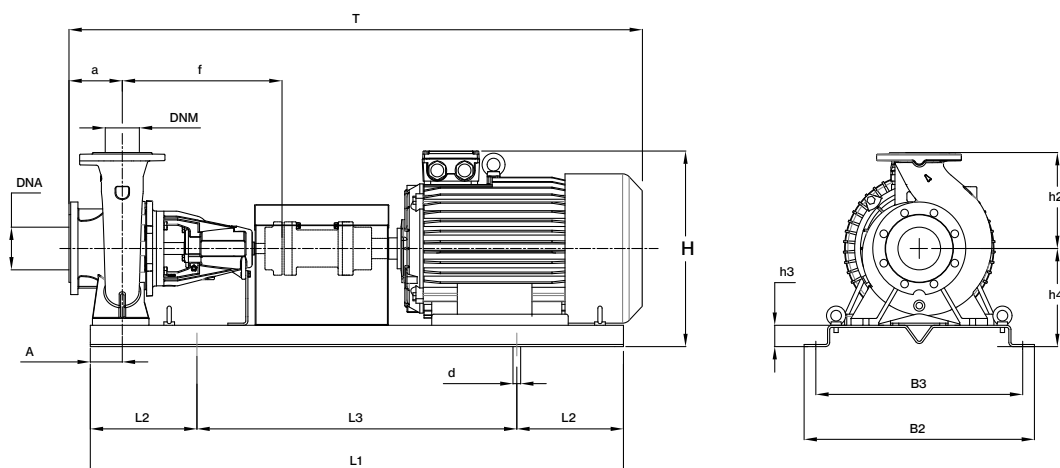


| TYPE     | kW   | Motor Size | DIMENSIONS (mm) |     |     |     |    |      |     |      |     |     |    |    |      |     |     |     | Kg    |
|----------|------|------------|-----------------|-----|-----|-----|----|------|-----|------|-----|-----|----|----|------|-----|-----|-----|-------|
|          |      |            | a               | f   | h4  | h2  | h3 | L1   | L2  | L3   | B2  | B3  | A  | d  | T    | H   | DNA | DNM |       |
| 32-160C  | 1,5  | 90S        | 80              | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 855  | 342 | 50  | 32  | 82,1  |
| 32-160B  | 2,2  | 90L        | 80              | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 342 |     |     | 87,7  |
| 32-160A  | 3    | 100L       | 80              | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 362 |     |     | 96,7  |
| 32-200C  | 4    | 112M       | 80              | 360 | 210 | 180 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 940  | 403 |     |     | 108,7 |
| 32-200B  | 5,5  | 132S       | 80              | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1020 | 453 |     |     | 116,1 |
| 32-200B  | 7,5  | 132S       | 80              | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1020 | 433 |     |     | 144,3 |
| 32-200A  | 7,5  | 132S       | 80              | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1020 | 433 |     |     | 144,3 |
| 32-250C  | 11   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 207,3 |
| 32-250B  | 11   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 207,3 |
| 32-250A  | 15   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 219,3 |
| 40-125C  | 1,5  | 90S        | 80              | 360 | 162 | 140 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 855  | 317 | 65  | 40  | 82,2  |
| 40-125C  | 2,2  | 90L        | 80              | 360 | 162 | 140 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 317 |     |     | 87,8  |
| 40-125B  | 2,2  | 90L        | 80              | 360 | 162 | 140 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 317 |     |     | 87,8  |
| 40-125B  | 3    | 100L       | 80              | 360 | 162 | 140 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 342 |     |     | 96,8  |
| 40-125A  | 3    | 100L       | 80              | 360 | 162 | 140 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 342 |     |     | 96,8  |
| 40-160B  | 3    | 100L       | 80              | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 920  | 362 |     |     | 99,8  |
| 40-160B  | 4    | 112M       | 80              | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 940  | 375 |     |     | 107,8 |
| 40-160A  | 4    | 112M       | 80              | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 940  | 375 |     |     | 107,8 |
| 40-160AP | 5,5  | 132S       | 80              | 360 | 182 | 160 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1020 | 405 |     |     | 115,2 |
| 40-200B  | 5,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 433 |     |     | 119,2 |
| 40-200B  | 7,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 433 |     |     | 147,4 |
| 40-200A  | 7,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 433 |     |     | 147,4 |
| 40-200A  | 11   | 160M       | 100             | 360 | 210 | 180 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 503 |     |     | 198,4 |
| 40-200AP | 11   | 160M       | 100             | 360 | 210 | 180 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 475 |     |     | 198,4 |
| 40-250C  | 11   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 523 |     |     | 208,9 |
| 40-250B  | 11   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 208,9 |
| 40-250A  | 15   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 220,9 |
| 40-250BM | 18,5 | 160L       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 238,9 |
| 40-250AM | 22   | 180M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 530 |     |     | 297,3 |
| 50-125B  | 3    | 100L       | 100             | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 940  | 342 | 65  | 50  | 99,7  |
| 50-125A  | 4    | 112M       | 100             | 360 | 182 | 160 | 50 | 900  | 150 | 600  | 390 | 350 | 60 | 18 | 960  | 342 |     |     | 107,7 |
| 50-160B  | 5,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 405 |     |     | 119,6 |
| 50-160A  | 7,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 390 |     |     | 147,8 |
| 50-200C  | 11   | 160M       | 100             | 360 | 210 | 200 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 535 |     |     | 201,8 |
| 50-200B  | 11   | 160M       | 100             | 360 | 210 | 200 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 523 |     |     | 201,8 |
| 50-200A  | 15   | 160M       | 100             | 360 | 210 | 200 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 503 |     |     | 213,8 |
| 50-250C  | 15   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 523 |     |     | 224,8 |
| 50-250B  | 18,5 | 160L       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |     | 242,8 |
| 50-250A  | 22   | 180M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 530 |     |     | 301,2 |
| 50-315DN | 37   | 200L       | 125             | 470 | 275 | 280 | 50 | 1400 | 230 | 940  | 610 | 550 | 75 | 26 | 1455 | 625 | 80  |     | 415,0 |
| 50-315CN | 45   | 225M       | 125             | 470 | 275 | 280 | 50 | 1400 | 230 | 940  | 610 | 550 | 75 | 26 | 1500 | 670 |     |     | 465,8 |
| 50-315BN | 55   | 250M       | 125             | 470 | 310 | 280 | 85 | 1600 | 270 | 1060 | 660 | 600 | 75 | 26 | 1650 | 800 |     |     | 611,8 |
| 50-315AN | 75   | 280S       | 125             | 470 | 310 | 280 | 85 | 1800 | 300 | 1200 | 730 | 670 | 75 | 26 | 1850 | 870 |     |     | 762,6 |



| TYPE     | kW   | Motor Size | DIMENSIONS (mm) |     |     |     |    |      |     |      |     |     |    |    |      |     |     |  |       |
|----------|------|------------|-----------------|-----|-----|-----|----|------|-----|------|-----|-----|----|----|------|-----|-----|-------------------------------------------------------------------------------------|-------|
|          |      |            | a               | f   | h4  | h2  | h3 | L1   | L2  | L3   | B2  | B3  | A  | d  | T    | H   | DNA |                                                                                     | DNM   |
| 65-125B  | 5,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 390 | 80  | 65                                                                                  | 121,4 |
| 65-125B  | 7,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 390 |     |                                                                                     | 149,6 |
| 65-125A  | 7,5  | 132S       | 100             | 360 | 210 | 180 | 50 | 1000 | 170 | 660  | 450 | 400 | 60 | 22 | 1040 | 390 |     |                                                                                     | 149,6 |
| 65-160C  | 11   | 160M       | 100             | 360 | 210 | 200 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 410 |     |                                                                                     | 205,1 |
| 65-160B  | 11   | 160M       | 100             | 360 | 210 | 200 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 503 |     |                                                                                     | 205,1 |
| 65-160A  | 15   | 160M       | 100             | 360 | 210 | 200 | 50 | 1120 | 190 | 740  | 490 | 440 | 60 | 22 | 1168 | 503 |     |                                                                                     | 217,1 |
| 65-200C  | 15   | 160M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |                                                                                     | 227,5 |
| 65-200B  | 18,5 | 160L       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1275 | 495 |     |                                                                                     | 245,5 |
| 65-200B  | 22   | 180M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1290 | 530 |     |                                                                                     | 303,3 |
| 65-200A  | 22   | 180M       | 100             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1290 | 530 |     |                                                                                     | 303,3 |
| 65-250B  | 30   | 200L       | 100             | 470 | 250 | 250 | 50 | 1400 | 230 | 940  | 610 | 550 | 90 | 26 | 1470 | 600 |     |                                                                                     | 377,8 |
| 65-250A  | 37   | 200L       | 100             | 470 | 250 | 250 | 50 | 1400 | 230 | 940  | 610 | 550 | 90 | 26 | 1470 | 580 |     |                                                                                     | 397,8 |
| 65-315CN | 55   | 250M       | 125             | 470 | 310 | 280 | 85 | 1600 | 270 | 1060 | 660 | 600 | 90 | 26 | 1645 | 760 | 100 | 80                                                                                  | 614,2 |
| 65-315BN | 75   | 280S       | 125             | 470 | 310 | 280 | 85 | 1800 | 300 | 1200 | 730 | 670 | 90 | 26 | 1835 | 850 |     |                                                                                     | 765,0 |
| 65-315AN | 90   | 280M       | 125             | 470 | 310 | 280 | 85 | 1800 | 300 | 1200 | 730 | 670 | 90 | 26 | 1835 | 800 |     |                                                                                     | 839,2 |
| 80-160E  | 11   | 160M       | 125             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1300 | 455 |     |                                                                                     | 220,8 |
| 80-160D  | 11   | 160M       | 125             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1300 | 455 |     |                                                                                     | 220,8 |
| 80-160C  | 15   | 160M       | 125             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1300 | 495 |     |                                                                                     | 232,8 |
| 80-160B  | 18,5 | 160L       | 125             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1300 | 495 |     |                                                                                     | 250,8 |
| 80-160A  | 22   | 180M       | 125             | 360 | 230 | 225 | 50 | 1250 | 205 | 840  | 540 | 490 | 75 | 22 | 1315 | 530 |     |                                                                                     | 308,7 |
| 80-200B  | 30   | 200L       | 125             | 470 | 230 | 250 | 50 | 1400 | 230 | 940  | 610 | 550 | 75 | 26 | 1495 | 600 |     |                                                                                     | 376,7 |
| 80-200A  | 37   | 200L       | 125             | 470 | 230 | 250 | 50 | 1400 | 230 | 940  | 610 | 550 | 75 | 26 | 1495 | 580 |     |                                                                                     | 396,7 |
| 80-250B  | 45   | 225M       | 125             | 470 | 250 | 280 | 50 | 1400 | 230 | 940  | 610 | 550 | 90 | 26 | 1540 | 630 |     |                                                                                     | 464,5 |
| 80-250A  | 55   | 250M       | 125             | 470 | 285 | 280 | 85 | 1600 | 270 | 1060 | 660 | 600 | 90 | 26 | 1645 | 760 |     |                                                                                     | 610,5 |
| 100-200D | 30   | 200L       | 125             | 470 | 250 | 280 | 50 | 1400 | 230 | 940  | 610 | 550 | 90 | 26 | 1500 | 560 | 125 | 100                                                                                 | 374   |
| 100-200C | 37   | 200L       | 125             | 470 | 250 | 280 | 50 | 1400 | 230 | 940  | 610 | 550 | 90 | 26 | 1500 | 560 |     |                                                                                     | 428   |
| 100-200B | 45   | 225M       | 125             | 470 | 250 | 280 | 50 | 1400 | 230 | 940  | 610 | 550 | 90 | 26 | 1540 | 605 |     |                                                                                     | 471,5 |
| 100-200A | 55   | 250M       | 125             | 470 | 285 | 280 | 85 | 1600 | 270 | 1060 | 660 | 600 | 90 | 26 | 1645 | 710 |     |                                                                                     | 617,5 |
| 100-250C | 55   | 250M       | 140             | 470 | 310 | 280 | 85 | 1600 | 270 | 1060 | 660 | 600 | 90 | 26 | 1660 | 680 |     |                                                                                     | 625,5 |
| 100-250C | 75   | 280S       | 140             | 470 | 310 | 280 | 85 | 1800 | 300 | 1200 | 730 | 670 | 90 | 26 | 1850 | 735 |     |                                                                                     | 776,3 |
| 100-250B | 75   | 280S       | 140             | 470 | 310 | 280 | 85 | 1800 | 300 | 1200 | 730 | 670 | 90 | 26 | 1850 | 825 |     |                                                                                     | 776,3 |
| 100-250A | 90   | 280M       | 140             | 470 | 310 | 280 | 85 | 1800 | 300 | 1200 | 730 | 670 | 90 | 26 | 1850 | 800 |     |                                                                                     | 850,5 |

# 4CA-4CAX EN 733 ~ 1750 rpm



| TYPE     | kW   | Motor Size | DIMENSIONS (mm) |     |     |     |    |      |     |     |     |     |    |    |      |     |     |     | Kg    |
|----------|------|------------|-----------------|-----|-----|-----|----|------|-----|-----|-----|-----|----|----|------|-----|-----|-----|-------|
|          |      |            | a               | f   | h4  | h2  | h3 | L1   | L2  | L3  | B2  | B3  | A  | d  | T    | H   | DNA | DNM |       |
| 32-160C  | 0,37 | 71M        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 342 | 50  | 32  | 59,4  |
| 32-160B  | 0,37 | 71M        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 342 |     |     | 59,4  |
| 32-160A  | 0,55 | 80M        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 342 |     |     | 59,1  |
| 32-200C  | 0,75 | 80M        | 80              | 360 | 210 | 180 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 390 |     |     | 75,1  |
| 32-200B  | 1,1  | 90S        | 80              | 360 | 210 | 180 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 855  | 390 |     |     | 88,1  |
| 32-200A  | 1,1  | 90S        | 80              | 360 | 210 | 180 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 855  | 390 |     |     | 88,1  |
| 32-250C  | 1,5  | 90S        | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 106,7 |
| 32-250B  | 1,5  | 90S        | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 106,7 |
| 32-250A  | 2,2  | 100L       | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 112,7 |
| 40-125C  | 0,37 | 71M        | 80              | 360 | 162 | 140 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 302 | 65  | 40  | 59,5  |
| 40-125B  | 0,37 | 71M        | 80              | 360 | 162 | 140 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 302 |     |     | 59,5  |
| 40-125A  | 0,55 | 80M        | 80              | 360 | 162 | 140 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 307 |     |     | 59,2  |
| 40-160B  | 0,55 | 80M        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 342 |     |     | 62,2  |
| 40-160A  | 0,75 | 80M        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 342 |     |     | 74,2  |
| 40-160AP | 0,75 | 80M        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 820  | 342 |     |     | 74,2  |
| 40-160AP | 1,1  | 90S        | 80              | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 855  | 342 |     |     | 87,2  |
| 40-200B  | 1,1  | 90S        | 100             | 360 | 210 | 180 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 390 |     |     | 93,8  |
| 40-200A  | 1,1  | 90S        | 100             | 360 | 210 | 180 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 390 |     |     | 93,8  |
| 40-200AP | 1,1  | 90S        | 100             | 360 | 210 | 180 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 390 |     |     | 93,8  |
| 40-200AP | 1,5  | 90S        | 100             | 360 | 210 | 180 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 390 |     |     | 98,8  |
| 40-250C  | 1,5  | 90S        | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 108,3 |
| 40-250B  | 2,2  | 100L       | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 114,3 |
| 40-250A  | 2,2  | 100L       | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 114,3 |
| 50-125B  | 0,55 | 80M        | 100             | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 840  | 342 | 65  | 50  | 62,1  |
| 50-125A  | 0,75 | 80M        | 100             | 360 | 182 | 160 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 840  | 342 |     |     | 74,1  |
| 50-160B  | 0,75 | 80M        | 100             | 360 | 210 | 180 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 840  | 390 |     |     | 78,6  |
| 50-160A  | 1,1  | 90S        | 100             | 360 | 210 | 180 | 50 | 800  | 130 | 540 | 360 | 320 | 60 | 18 | 875  | 390 |     |     | 91,6  |
| 50-200C  | 1,1  | 90S        | 100             | 360 | 210 | 200 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 410 |     |     | 97,2  |
| 50-200B  | 1,5  | 90S        | 100             | 360 | 210 | 200 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 410 |     |     | 102,2 |
| 50-200A  | 1,5  | 90S        | 100             | 360 | 210 | 200 | 50 | 900  | 150 | 600 | 390 | 350 | 60 | 18 | 940  | 410 |     |     | 102,2 |
| 50-250C  | 2,2  | 100L       | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 118,2 |
| 50-250B  | 3    | 100L       | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 122,2 |
| 50-250A  | 4    | 112M       | 100             | 360 | 230 | 225 | 50 | 1000 | 170 | 660 | 450 | 400 | 75 | 22 | 1025 | 455 |     |     | 128,2 |
| 50-315C  | 5,5  | 132S       | 125             | 470 | 275 | 280 | 50 | 1120 | 190 | 740 | 490 | 440 | 75 | 22 | 1170 | 555 | 80  |     | 200,1 |
| 50-315B  | 7,5  | 132M       | 125             | 470 | 275 | 280 | 50 | 1120 | 190 | 740 | 490 | 440 | 75 | 22 | 1200 | 555 |     |     | 186,6 |
| 50-315A  | 11   | 160M       | 125             | 470 | 275 | 280 | 50 | 1250 | 205 | 840 | 540 | 490 | 75 | 22 | 1303 | 555 |     |     | 260,1 |



| TYPE     | kW   | Motor Size | DIMENSIONS (mm) |     |     |     |    |      |     |      |     |     |     |    |      |     |     |     | Kg     |
|----------|------|------------|-----------------|-----|-----|-----|----|------|-----|------|-----|-----|-----|----|------|-----|-----|-----|--------|
|          |      |            | a               | f   | h4  | h2  | h3 | L1   | L2  | L3   | B2  | B3  | A   | d  | T    | H   | DNA | DNM |        |
| 65-125B  | 0,75 | 80M        | 100             | 360 | 210 | 180 | 50 | 800  | 130 | 540  | 360 | 320 | 60  | 18 | 840  | 390 | 80  | 65  | 80,4   |
| 65-125A  | 1,1  | 90S        | 100             | 360 | 210 | 180 | 50 | 800  | 130 | 540  | 360 | 320 | 60  | 18 | 875  | 390 |     |     | 93,4   |
| 65-160C  | 1,5  | 90S        | 100             | 360 | 210 | 200 | 50 | 900  | 150 | 600  | 390 | 350 | 60  | 18 | 940  | 410 |     |     | 105,5  |
| 65-160B  | 1,5  | 90S        | 100             | 360 | 210 | 200 | 50 | 900  | 150 | 600  | 390 | 350 | 60  | 18 | 940  | 410 |     |     | 105,5  |
| 65-160A  | 2,2  | 100L       | 100             | 360 | 210 | 200 | 50 | 900  | 150 | 600  | 390 | 350 | 60  | 18 | 940  | 410 |     |     | 111,5  |
| 65-200C  | 2,2  | 100L       | 100             | 360 | 230 | 225 | 50 | 1120 | 190 | 740  | 490 | 440 | 75  | 22 | 1145 | 455 |     |     | 124,8  |
| 65-200B  | 3    | 100L       | 100             | 360 | 230 | 225 | 50 | 1120 | 190 | 740  | 490 | 440 | 75  | 22 | 1145 | 455 |     |     | 128,8  |
| 65-200A  | 3    | 100L       | 100             | 360 | 230 | 225 | 50 | 1120 | 190 | 740  | 490 | 440 | 75  | 22 | 1145 | 455 |     |     | 128,8  |
| 65-250B  | 4    | 112M       | 100             | 470 | 250 | 250 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1130 | 500 |     |     | 159,0  |
| 65-250B  | 5,5  | 132S       | 100             | 470 | 250 | 250 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1175 | 500 |     |     | 183,0  |
| 65-250A  | 5,5  | 132S       | 100             | 470 | 250 | 250 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1175 | 500 |     |     | 183,0  |
| 65-315CM | 7,5  | 132M       | 125             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1285 | 555 |     |     | 194,0  |
| 65-315BM | 11   | 160M       | 125             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1343 | 555 | 100 | 80  | 262,5  |
| 65-315AM | 11   | 160M       | 125             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1343 | 555 |     |     | 262,5  |
| 80-160E  | 1,1  | 90S        | 125             | 360 | 230 | 225 | 50 | 1000 | 170 | 660  | 450 | 400 | 75  | 22 | 1050 | 455 |     |     | 115,1  |
| 80-160D  | 1,5  | 90S        | 125             | 360 | 230 | 225 | 50 | 1000 | 170 | 660  | 450 | 400 | 75  | 22 | 1050 | 455 |     |     | 120,1  |
| 80-160C  | 1,5  | 90S        | 125             | 360 | 230 | 225 | 50 | 1000 | 170 | 660  | 450 | 400 | 75  | 22 | 1050 | 455 |     |     | 120,1  |
| 80-160B  | 2,2  | 100L       | 125             | 360 | 230 | 225 | 50 | 1000 | 170 | 660  | 450 | 400 | 75  | 22 | 1050 | 455 |     |     | 126,1  |
| 80-160A  | 3    | 100L       | 125             | 360 | 230 | 225 | 50 | 1000 | 170 | 660  | 450 | 400 | 75  | 22 | 1050 | 455 |     |     | 130,1  |
| 80-200B  | 4    | 112M       | 125             | 470 | 230 | 250 | 50 | 1120 | 190 | 740  | 490 | 440 | 75  | 22 | 1170 | 480 |     |     | 157,8  |
| 80-200A  | 5,5  | 132S       | 125             | 470 | 230 | 250 | 50 | 1120 | 190 | 740  | 490 | 440 | 75  | 22 | 1200 | 480 |     |     | 181,8  |
| 80-250B  | 5,5  | 132S       | 125             | 470 | 250 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1285 | 530 |     |     | 203,8  |
| 80-250A  | 7,5  | 132M       | 125             | 470 | 250 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1285 | 530 |     |     | 190,3  |
| 80-315B  | 11   | 160M       | 125             | 470 | 300 | 315 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1343 | 615 |     |     | 273,8  |
| 80-315A  | 15   | 160L       | 125             | 470 | 300 | 315 | 50 | 1400 | 230 | 940  | 610 | 550 | 90  | 26 | 1435 | 615 | 125 | 100 | 305,8  |
| 100-200D | 4    | 112M       | 125             | 470 | 250 | 280 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1130 | 480 |     |     | 161,0  |
| 100-200C | 5,5  | 132S       | 125             | 470 | 250 | 280 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1200 | 530 |     |     | 185,0  |
| 100-200B | 5,5  | 132S       | 125             | 470 | 250 | 280 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1200 | 530 |     |     | 186,0  |
| 100-200A | 7,5  | 132M       | 125             | 470 | 250 | 280 | 50 | 1120 | 190 | 740  | 490 | 440 | 90  | 22 | 1240 | 530 |     |     | 198,0  |
| 100-250E | 7,5  | 132M       | 140             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1300 | 555 |     |     | 205,3  |
| 100-250D | 7,5  | 132M       | 140             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1300 | 555 |     |     | 205,3  |
| 100-250B | 11   | 160M       | 140             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1358 | 555 |     |     | 273,8  |
| 100-250A | 11   | 160M       | 140             | 470 | 275 | 280 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1358 | 555 |     |     | 273,8  |
| 100-315B | 15   | 160L       | 140             | 470 | 300 | 315 | 50 | 1400 | 230 | 940  | 610 | 550 | 90  | 26 | 1450 | 615 |     |     | 327,7  |
| 100-315A | 18,5 | 180M       | 140             | 470 | 300 | 315 | 50 | 1400 | 230 | 940  | 610 | 550 | 90  | 26 | 1450 | 615 |     |     | 348,3  |
| 100-400C | 22   | 180L       | 140             | 530 | 365 | 355 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 720 | 150 | 125 | 469,5  |
| 100-400B | 30   | 200L       | 140             | 530 | 365 | 355 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 720 |     |     | 540,8  |
| 100-400A | 37   | 225S       | 140             | 530 | 365 | 355 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 720 |     |     | 554,3  |
| 125-250B | 11   | 160M       | 140             | 470 | 300 | 355 | 50 | 1250 | 205 | 840  | 540 | 490 | 90  | 22 | 1358 | 655 |     |     | 308,1  |
| 125-250A | 15   | 160L       | 140             | 470 | 300 | 355 | 50 | 1400 | 230 | 940  | 610 | 550 | 90  | 26 | 1450 | 655 |     |     | 340,1  |
| 125-315C | 22   | 180L       | 140             | 530 | 365 | 355 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 720 |     |     | 464,4  |
| 125-315B | 30   | 200L       | 140             | 530 | 365 | 355 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 720 |     |     | 535,8  |
| 125-315A | 37   | 225S       | 140             | 530 | 365 | 355 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 720 |     |     | 549,3  |
| 125-400C | 45   | 225M       | 140             | 530 | 400 | 400 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 800 |     |     | 659,2  |
| 125-400B | 55   | 250M       | 140             | 530 | 400 | 400 | 85 | 1600 | 270 | 1060 | 660 | 600 | 110 | 26 | 1630 | 800 |     |     | 756,0  |
| 125-400A | 75   | 280S       | 140             | 530 | 400 | 400 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1830 | 805 |     |     | 939,4  |
| 150-315D | 30   | 200L       | 160             | 530 | 365 | 400 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 765 | 200 | 150 | 570,7  |
| 150-315C | 37   | 225S       | 160             | 530 | 365 | 400 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 765 |     |     | 584,2  |
| 150-315B | 45   | 225M       | 160             | 530 | 365 | 400 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 765 |     |     | 672,1  |
| 150-315A | 55   | 250M       | 160             | 530 | 365 | 400 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 765 |     |     | 768,9  |
| 150-400C | 75   | 280S       | 160             | 530 | 400 | 450 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 850 |     |     | 951,4  |
| 150-400B | 75   | 280S       | 160             | 530 | 400 | 450 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 850 |     |     | 962,8  |
| 150-400A | 90   | 280M       | 160             | 530 | 400 | 450 | 85 | 1800 | 300 | 1200 | 730 | 670 | 110 | 26 | 1850 | 850 |     |     | 1057,8 |

# CA-4CA Serie-Mechanical seal and bearings

| MECHANICAL SEAL                                                                   | PUMP MODEL                                                                                             | SHAFT Ø |                                                                    | STANDARD MATERIAL             | OPTIONAL                       |                               |                    |                   |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------|-------------------|
|                                                                                   |                                                                                                        |         |                                                                    |                               | E                              | V                             | 2E                 | 2V                |
|  | 32-160, 40-125                                                                                         | 20mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Ceramic<br>Graphite<br>NBR    | Ceramic<br>Graphite<br>EPDM    | -<br>-<br>-                   | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | 40-250M                                                                                                | 28mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Ceramic<br>Graphite<br>EPDM   | -<br>-<br>-                    | -<br>-<br>-                   | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | 32-200, 32-250, 40-160, 40-200, 40-250, 50-125, 50-160, 50-200, 50-250, 65-125, 65-160, 65-200, 80-160 | 28mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Ceramic<br>Graphite<br>NBR    | Ceramic<br>Graphite<br>EPDM    | Ceramic<br>Graphite<br>FKM    | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | 50-315, 65-250, 65-315M, 80-200, 80-315, 100-315                                                       | 40mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | CrNi-steel<br>Graphite<br>NBR | CrNi-steel<br>Graphite<br>EPDM | CrNi-steel<br>Graphite<br>FKM | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | 50-315N, 65-315N, 80-315N                                                                              | 40mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Graphite<br>SiC<br>FKM        | Graphite<br>SiC<br>EPDM        | -<br>-<br>-                   | -<br>-<br>-        | -<br>-<br>-       |
|                                                                                   | 80-250, 100-200, 100-250, 125-250                                                                      | 45mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | CrNi-steel<br>Graphite<br>NBR | CrNi-steel<br>Graphite<br>EPDM | CrNi-steel<br>Graphite<br>FKM | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | 100-400, 125-315, 125-400, 150-315, 150-400                                                            | 55mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Graphite<br>SiC<br>FKM        | -<br>-<br>-                    | -<br>-<br>-                   | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | 200-315, 200-400, 250-315, 250-400                                                                     | 70mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Graphite<br>SiC<br>FKM        | -<br>-<br>-                    | -<br>-<br>-                   | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |

| PUMP BEARINGS                                                                       | PUMP MODEL                                                                                                                      | TYPE       |            |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|------------|
|  | 32-160, 32-200, 32-250, 40-125, 40-160, 40-200, 40-250, 40-250M, 50-125, 50-160, 50-200, 50-250, 65-125, 65-160, 65-200, 80-160 | 6306-ZZ C3 | 6306-ZZ C3 |
|                                                                                     | 50-315, 65-250, 65-315, 80-200, 80-315, 100-315                                                                                 | 3208-ZZ C3 | 3208-ZZ C3 |
|                                                                                     | 50-315N, 65-315N, 80-250, 80-315N, 100-200, 100-250, 125-250                                                                    | 6209-ZZ C3 | 6309-ZZ C3 |
|                                                                                     | 100-400, 125-315, 125-400, 150-315, 150-400                                                                                     | 6211-ZZ C3 | 6311-ZZ C3 |
|                                                                                     | 200-315, 200-400, 250-315, 250-400, 250-400                                                                                     | 6313-ZZ C3 | 6313-ZZ C3 |

