

## 3D SERIES

### NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)



Cast iron monoblock (3D) and normalised centrifugal electropumps conforming to EN 733 (3DS-3DP).



#### APPLICATIONS

- Handling of water and clean, chemically non-aggressive liquids
- Water supply
- Pressurisation
- Washing and industrial plants
- Water circulation in climate control systems
- Irrigation and agriculture

#### TECHNICAL FEATURES

- Highly robust construction
- Stainless steel impeller
- High efficiency

#### PUMP SPECIFICATIONS

- Maximum operating pressure: 10 bar
- Temperature of the liquid:
  - 5°C – +90°C
  - 5°C – +110°C (versions H-HS-HW-HSW)
  - 5°C – +120°C (version E)
- MEI > 0.4

For further information, please consult our Data Books on the website [www.ebara-europe.com](http://www.ebara-europe.com)

#### MOTOR SPECIFICATIONS

- IE2 high energy-efficiency motors: from 1.1kW up to 5.5  
from 0.75kW up to 3kW for 3D4
- IE3 high energy-efficiency motors: from 7.5kW up to 22kW for 3D series  
from 1.1kW up to 22kW for 3DS 3DP series  
from 0.75kW to 3kW for 3DS4 3DP4
- Self-ventilated 2-pole and 4-pole motors
- Isolation class F (B for high temperatures)
- Protection rating IP 55
- Single-phase voltage 230V ±10%, 50Hz,  
three-phase voltage 230/400 ±10% (up to 4kW included) 50Hz,  
three-phase voltage 400/690V ±10% (from 5.5 kW and above) 50Hz
- Protection to be arranged by the user

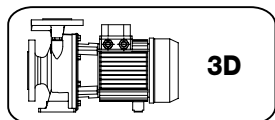
#### MATERIALS

- Cast iron pump body EN-GJL-250-EN 1561
- Impeller made of:
  - AISI 304 steel for SERIES 3D 32, 40, 50
  - AISI 316 microcast steel for SERIES 3D 65
- AISI 304 steel shaft (part coming into contact with liquid)
- Mechanical seal made of:
  - Ceramic/Carbon/NBR (standard)
  - Ceramic/Carbon/FPM (version H)
  - SiC/SiC/FPM (version HS)
  - Tungsten carbide/Tungsten carbide/FPM (version HW)
  - SiC/Tungsten carbide/FPM (version HSW)
  - Ceramic/Carbon/EPDM (version E)

#### SPECIAL VERSIONS

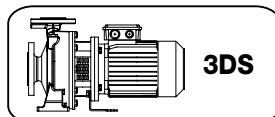
- Special voltages
- Special mechanical seals

Available in 3 different versions with 2-pole and 4-pole motors



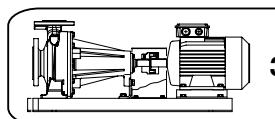
**3D**

Monoblock with extended motor shaft



**3DS**

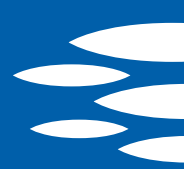
Monoblock with standard motor and rigid joint



**3DP**

On base, with standard motor and elastic joint

3DPF version (only hydraulic part) available on request



## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

**SERIE 3D**   **S**   **4**   **H**   **65**   **-**   **200**   **/**   **22**   **M**

- SERIE 3D**: Series
- S**: Standard motor
- 4**: 4 POLES
- H**: MONOBLOCK WITH EXTENDED MOTOR SHAFT
- 65**: DISCHARGE SIZE (32, 40, 50, 65)
- : SPECIAL MECHANICAL SEAL (H, HS, HW, HSW, E)
- 200**: IMPELLER CODE (125, 150, 200)
- /**: SINGLE-PHASE
- 22**: POWER [kW]
- M**: MONOBLOCK WITH STANDARD MOTOR AND RIGID JOINT

**MODEL**

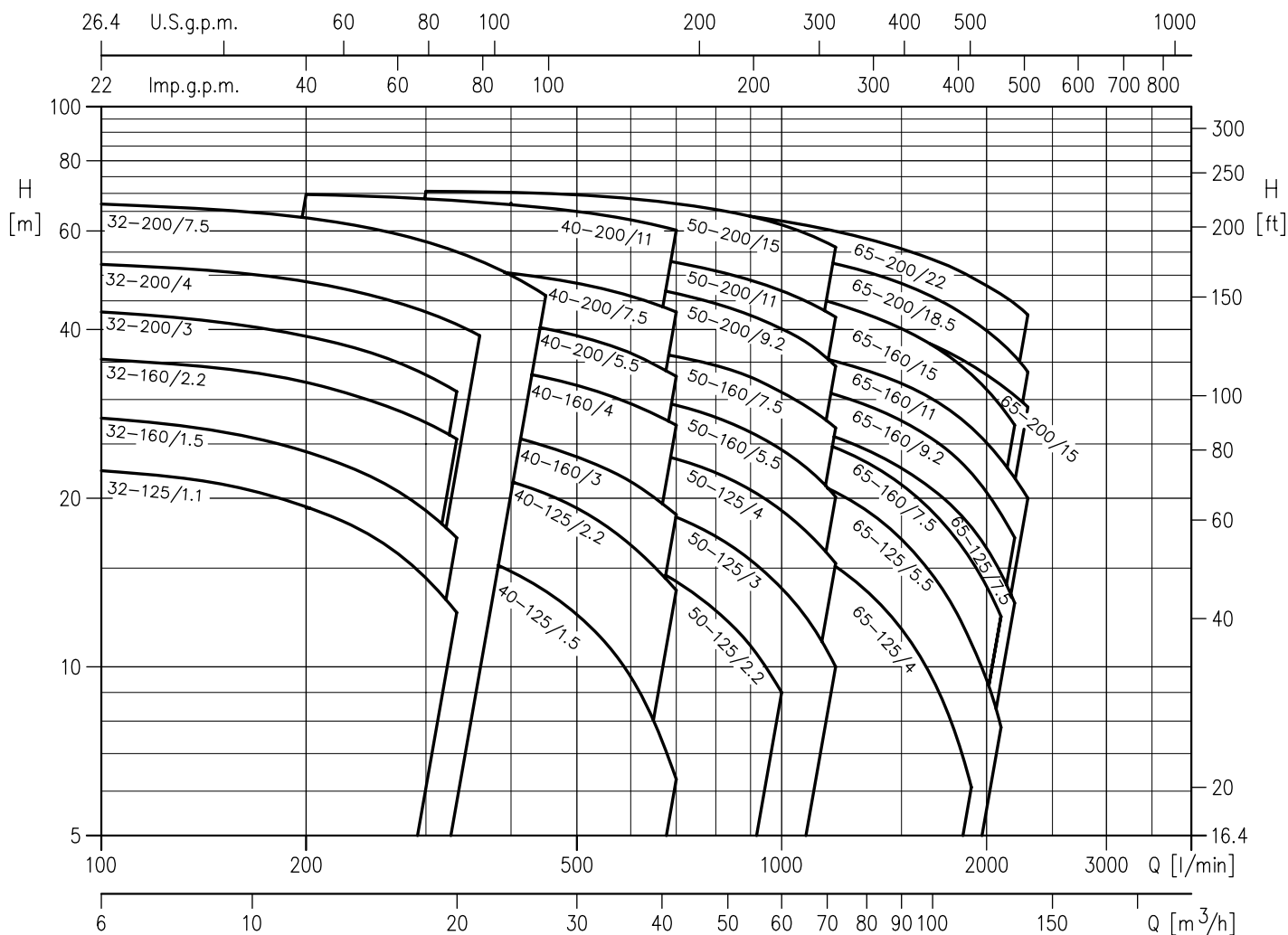
**VERSION**

# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

PERFORMANCE RANGE at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

2 Poles



The contents of this publication must not be regarded as binding. EBARA Pumps Europe S.p.A. reserves the right to effect any modification it deems necessary, without prior notice.

# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

**SERIES 3D(.) 32 PERFORMANCE TABLE**

**2 Poles**

| Model                | P <sub>2</sub> |      |                            |          |          |           |           | Q=Flow rate |           |             |           |           |
|----------------------|----------------|------|----------------------------|----------|----------|-----------|-----------|-------------|-----------|-------------|-----------|-----------|
|                      | [HP]           | [kW] | l/min<br>m <sup>3</sup> /h | 100<br>6 | 150<br>9 | 200<br>12 | 250<br>15 | 300<br>18   | 333<br>20 | 360<br>21,6 | 400<br>24 | 450<br>27 |
|                      |                |      |                            |          |          |           |           | H=Head [m]  |           |             |           |           |
| 3D(.) 32-125/1.1 (M) | 1,5            | 1,1  |                            | 22,4     | 21,2     | 19,3      | 17,1      | 14,4        | 12,5      | -           | -         | -         |
| 3D(.) 32-160/1.5 (M) | 2              | 1,5  |                            | 27,5     | 25,9     | 23,7      | 21,3      | 18,5        | 16,4      | -           | -         | -         |
| 3D(.) 32-160/2.2 (M) | 3              | 2,2  |                            | 35,4     | 34,1     | 32,2      | 29,8      | 27,3        | 25,5      | -           | -         | -         |
| 3D(.) 32-200/3.0     | 4              | 3    |                            | 43,0     | 41,0     | 39,0      | 36,5      | 33,0        | 31,0      | -           | -         | -         |
| 3D(.) 32-200/4.0     | 5,5            | 4    |                            | 52,5     | 51,0     | 49,0      | 46,0      | 43,0        | 41,0      | 39,0        | -         | -         |
| 3D(.) 32-200/7.5     | 10             | 7,5  |                            | 67,0     | 65,0     | 63,0      | 61,0      | 57,0        | 55,0      | 53,0        | 50,0      | 46,0      |

**SERIES 3D(.) 40 PERFORMANCE TABLE**

**2 Poles**

| Model                | P <sub>2</sub> |      |                            |           |           |           |           | Q=Flow rate |           |           |           |           |
|----------------------|----------------|------|----------------------------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|
|                      | [HP]           | [kW] | l/min<br>m <sup>3</sup> /h | 200<br>12 | 250<br>15 | 300<br>18 | 350<br>21 | 400<br>24   | 450<br>27 | 500<br>30 | 600<br>36 | 700<br>42 |
|                      |                |      |                            |           |           |           |           | H=Head [m]  |           |           |           |           |
| 3D(.) 40-125/1.5 (M) | 2              | 1,5  |                            | 18,2      | 17,6      | 16,8      | 15,9      | 14,8        | 13,7      | 12,4      | 9,6       | 6,3       |
| 3D(.) 40-125/2.2 (M) | 3              | 2,2  |                            | 24,4      | 23,9      | 23,2      | 22,4      | 21,4        | 20,4      | 19,2      | 16,5      | 13,7      |
| 3D(.) 40-160/3.0     | 4              | 3    |                            | 29,4      | 28,7      | 27,8      | 26,8      | 25,8        | 24,8      | 23,7      | 21,4      | 18,7      |
| 3D(.) 40-160/4.0     | 5,5            | 4    |                            | 37,2      | 36,5      | 35,7      | 34,8      | 33,8        | 32,8      | 31,8      | 29,5      | 27,0      |
| 3D(.) 40-200/5.5     | 7,5            | 5,5  |                            | 44,5      | 44,0      | 43,0      | 42,0      | 41,0        | 40,0      | 39,0      | 36,3      | 33,0      |
| 3D(.) 40-200/7.5     | 10             | 7,5  |                            | 53,5      | 53,0      | 52,0      | 51,5      | 50,5        | 49,5      | 48,5      | 46,0      | 43,0      |
| 3D(.) 40-200/11      | 15             | 11   |                            | 70,0      | 69,0      | 68,5      | 67,5      | 67,0        | 66,0      | 65,0      | 63,0      | 60,0      |

**SERIES 3D(.) 50 PERFORMANCE TABLE**

**2 Poles**

| Model                | P <sub>2</sub> |      |                            |           |           |           |           | Q=Flow rate |           |            |            |            |
|----------------------|----------------|------|----------------------------|-----------|-----------|-----------|-----------|-------------|-----------|------------|------------|------------|
|                      | [HP]           | [kW] | l/min<br>m <sup>3</sup> /h | 400<br>24 | 500<br>30 | 600<br>36 | 700<br>42 | 800<br>48   | 900<br>54 | 1000<br>60 | 1100<br>66 | 1200<br>72 |
|                      |                |      |                            |           |           |           |           | H=Head [m]  |           |            |            |            |
| 3D(.) 50-125/2.2 (M) | 3              | 2,2  |                            | 18,0      | 17,0      | 15,7      | 14,2      | 12,6        | 10,9      | 9,0        | -          | -          |
| 3D(.) 50-125/3.0     | 4              | 3    |                            | 21,5      | 20,8      | 19,8      | 18,5      | 17,1        | 15,5      | 13,8       | 12,0       | 10,0       |
| 3D(.) 50-125/4.0     | 5,5            | 4    |                            | 25,8      | 25,3      | 24,5      | 23,5      | 22,2        | 20,7      | 19,0       | 17,2       | 15,3       |
| 3D(.) 50-160/5.5     | 7,5            | 5,5  |                            | 32,0      | 31,5      | 30,5      | 29,3      | 27,9        | 26,2      | 24,4       | 22,4       | 20,0       |
| 3D(.) 50-160/7.5     | 10             | 7,5  |                            | 38,2      | 37,6      | 36,9      | 35,8      | 34,5        | 32,9      | 30,9       | 28,9       | 26,7       |
| 3D(.) 50-200/9.2     | 12,5           | 9,2  |                            | -         | 49,5      | 48,0      | 46,5      | 44,5        | 42,5      | 40,0       | 37,6       | 34,4       |
| 3D(.) 50-200/11      | 15             | 11   |                            | -         | 55,5      | 54,5      | 52,5      | 51,0        | 49,0      | 47,0       | 44,5       | 42,0       |
| 3D(.) 50-200/15      | 20             | 15   |                            | -         | 69,5      | 68,5      | 67,0      | 65,5        | 63,5      | 61,5       | 59,0       | 56,0       |

**SERIES 3D(.) 65 PERFORMANCE TABLE**

**2 Poles**

| Model             | P <sub>2</sub> |      |                            |           |           |            |            | Q=Flow rate |             |             |             |             |
|-------------------|----------------|------|----------------------------|-----------|-----------|------------|------------|-------------|-------------|-------------|-------------|-------------|
|                   | [HP]           | [kW] | l/min<br>m <sup>3</sup> /h | 600<br>36 | 700<br>42 | 1000<br>60 | 1300<br>78 | 1600<br>96  | 1900<br>114 | 2100<br>126 | 2200<br>132 | 2300<br>138 |
|                   |                |      |                            |           |           |            |            | H=Head [m]  |             |             |             |             |
| 3D(.) 65-125/4.0  | 5,5            | 4    |                            | 20,4      | 19,8      | 17,2       | 14,0       | 10,4        | 6,0         | -           | -           | -           |
| 3D(.) 65-125/5.5  | 7,5            | 5,5  |                            | -         | 25,0      | 22,5       | 19,4       | 15,5        | 11,0        | 8,0         | -           | -           |
| 3D(.) 65-125/7.5  | 10             | 7,5  |                            | -         | 29,6      | 27,5       | 24,7       | 21,5        | 17,8        | 14,7        | 13,0        | -           |
| 3D(.) 65-160/7.5  | 10             | 7,5  |                            | -         | 29,0      | 26,6       | 23,5       | 19,8        | 15,5        | 12,3        | -           | -           |
| 3D(.) 65-160/9.2  | 12,5           | 9,2  |                            | -         | 34,7      | 32,4       | 29,6       | 26,3        | 22,2        | 18,8        | 17,0        | -           |
| 3D(.) 65-160/11   | 15             | 11   |                            | -         | 39,0      | 37,0       | 34,0       | 31,0        | 27,0        | 23,0        | 22,0        | 20,0        |
| 3D(.) 65-160/15   | 20             | 15   |                            | -         | 46,0      | 44,0       | 41,5       | 38,4        | 34,6        | 31,9        | 30,5        | 29,0        |
| 3D(.) 65-200/15   | 20             | 15   |                            | -         | 51,0      | 47,0       | 43,0       | 38,6        | 33,3        | 29,2        | 27,0        | -           |
| 3D(.) 65-200/18.5 | 25             | 18,5 |                            | -         | 58,0      | 55,0       | 51,0       | 47,0        | 41,5        | 37,9        | 35,9        | 33,6        |
| 3D(.) 65-200/22   | 30             | 22   |                            | -         | 65,5      | 62,5       | 58,5       | 54,5        | 49,5        | 46,0        | 44,5        | 42,5        |

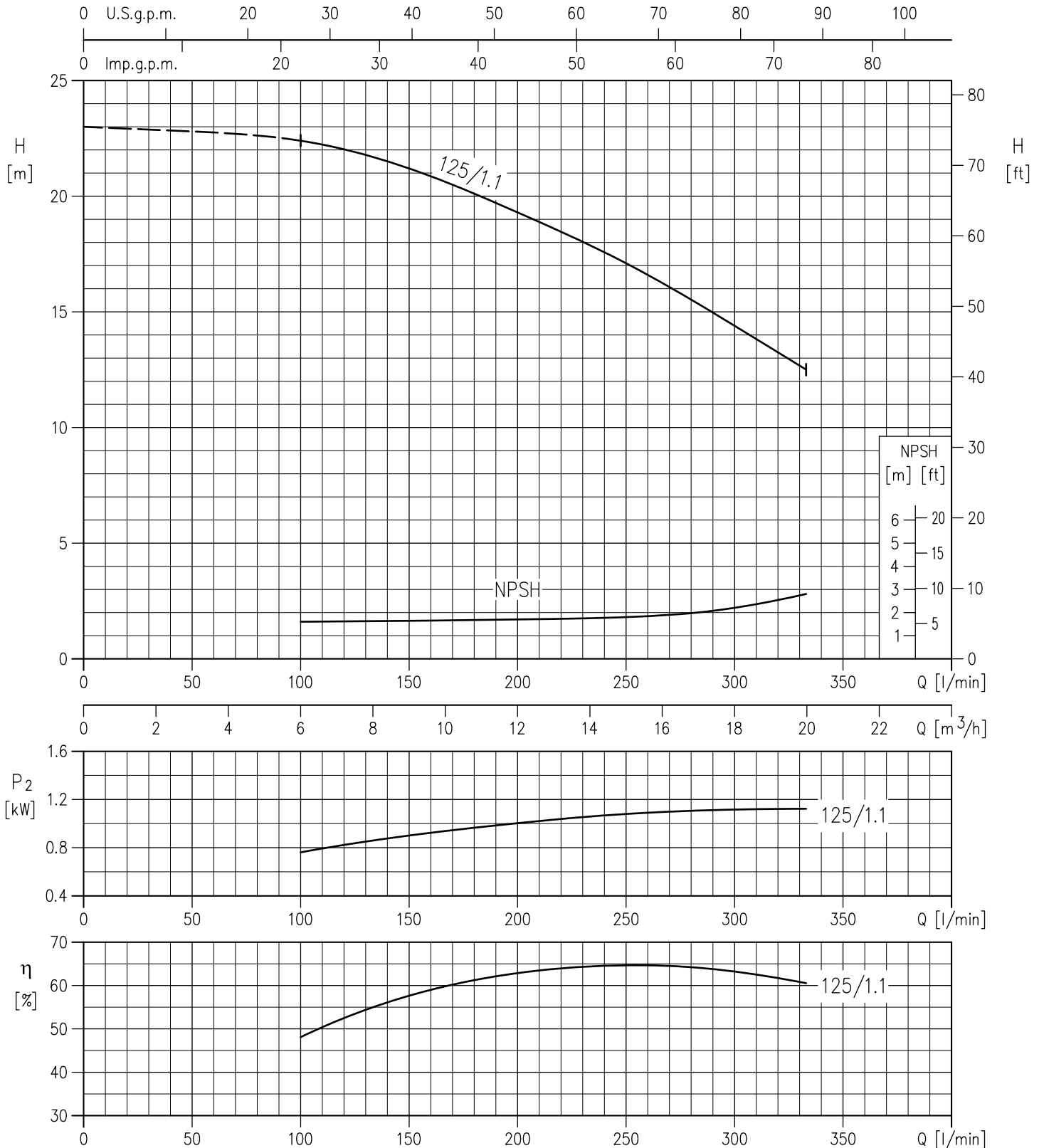
(M) Single-phase version only for 3D SERIES

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 32-125 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

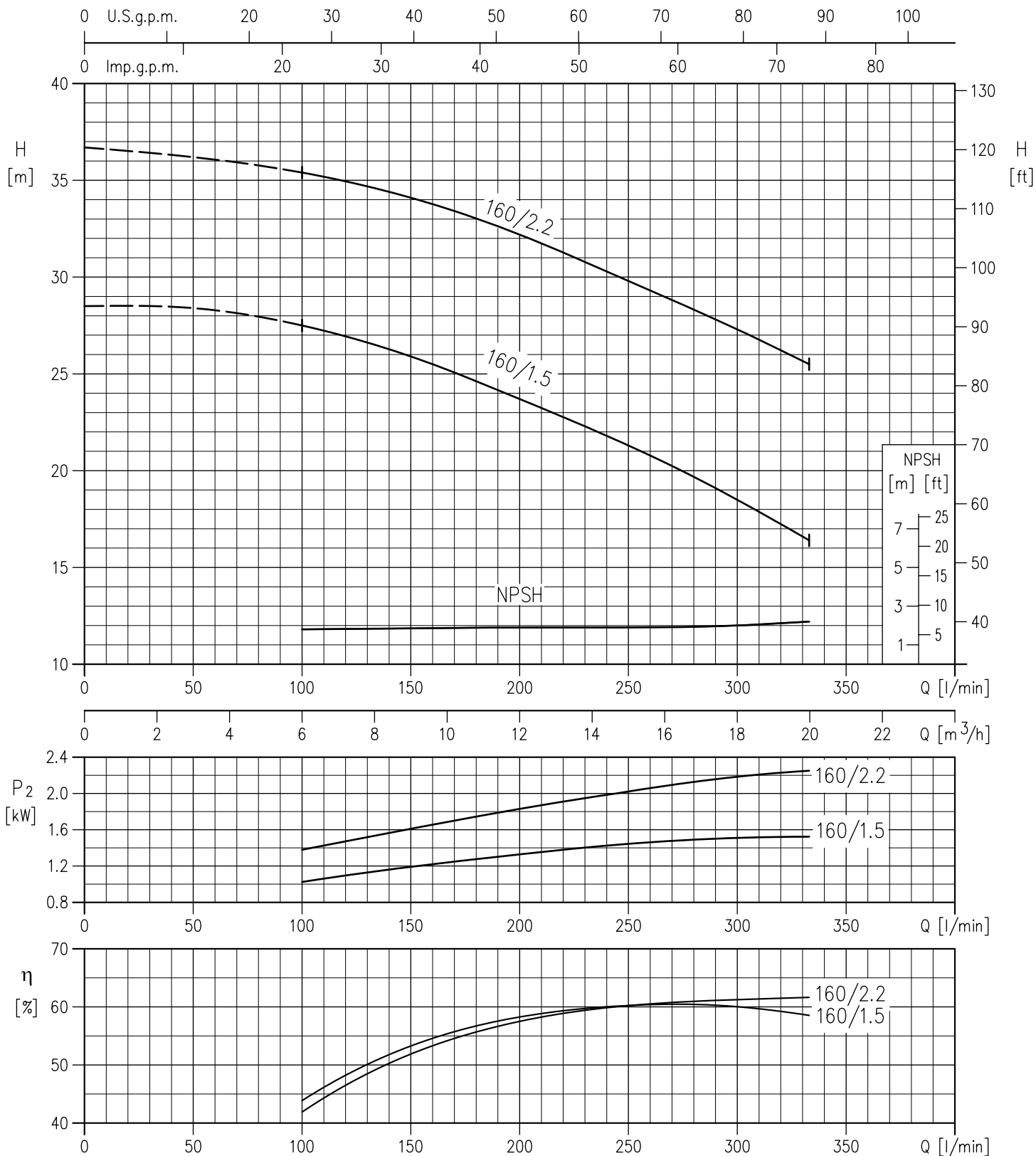


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 32-160 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

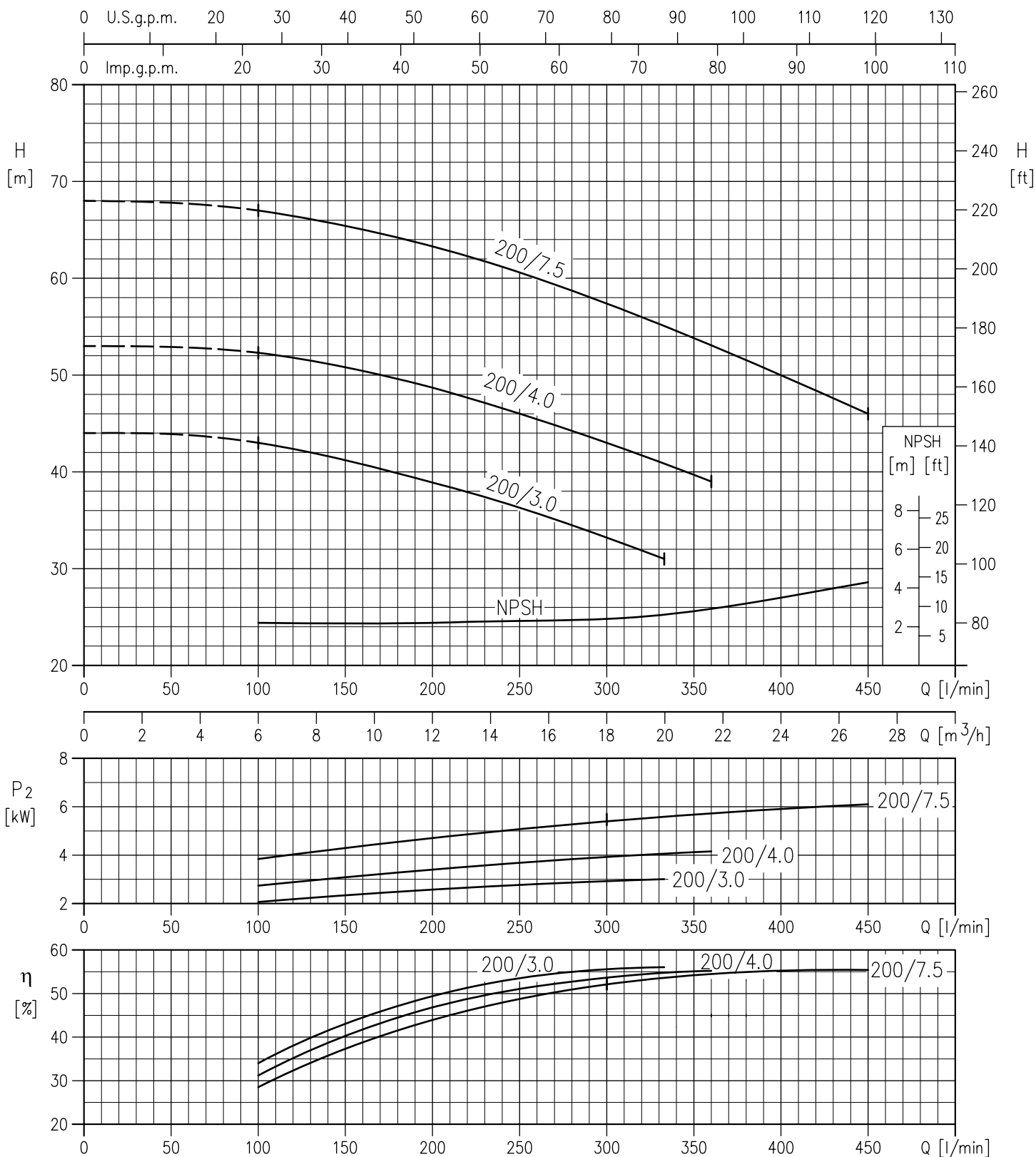


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

PERFORMANCE CURVES 3D(.) 32-200 series at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

2 Poles

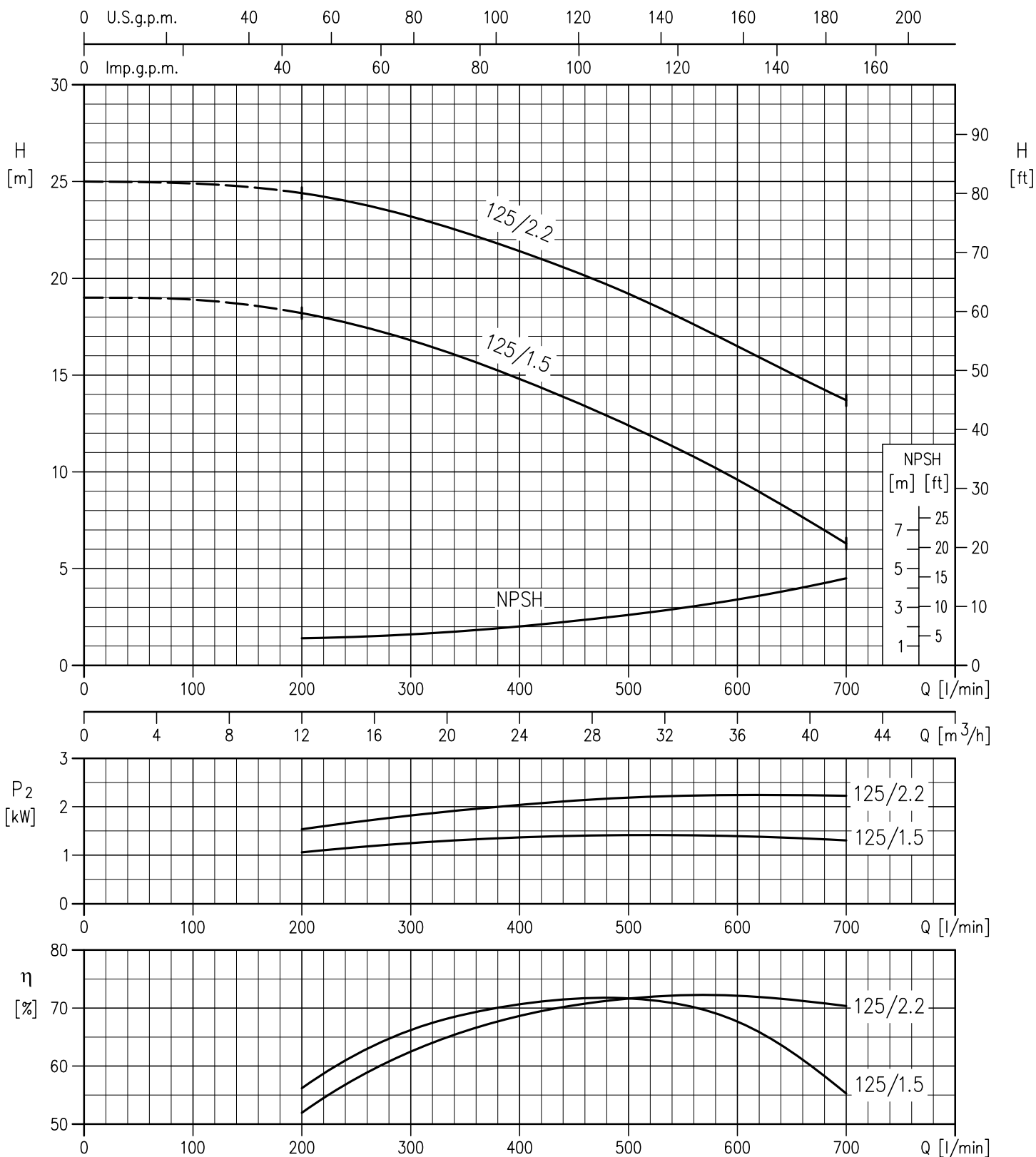


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 40-125 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**



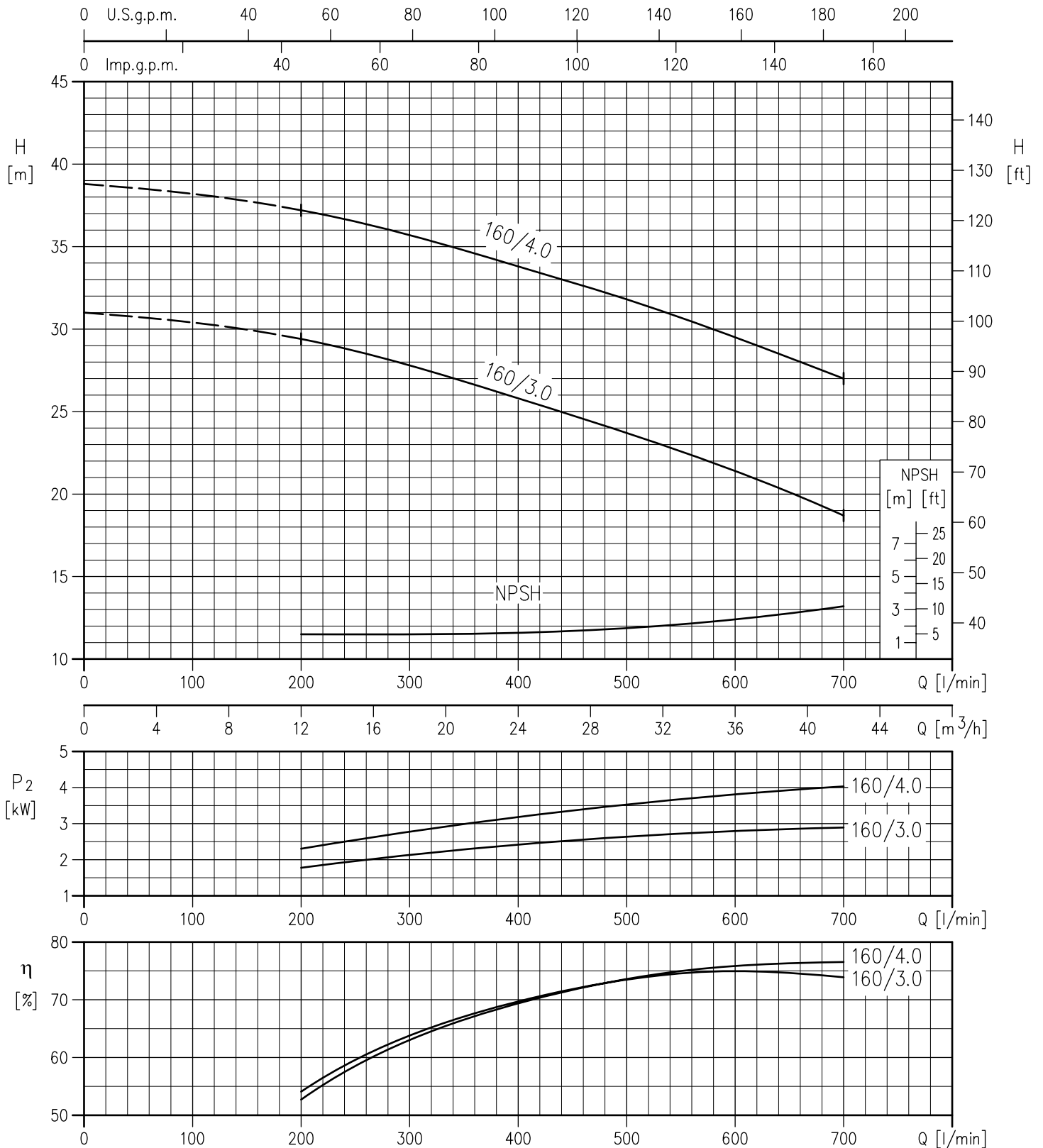


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 40-160 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

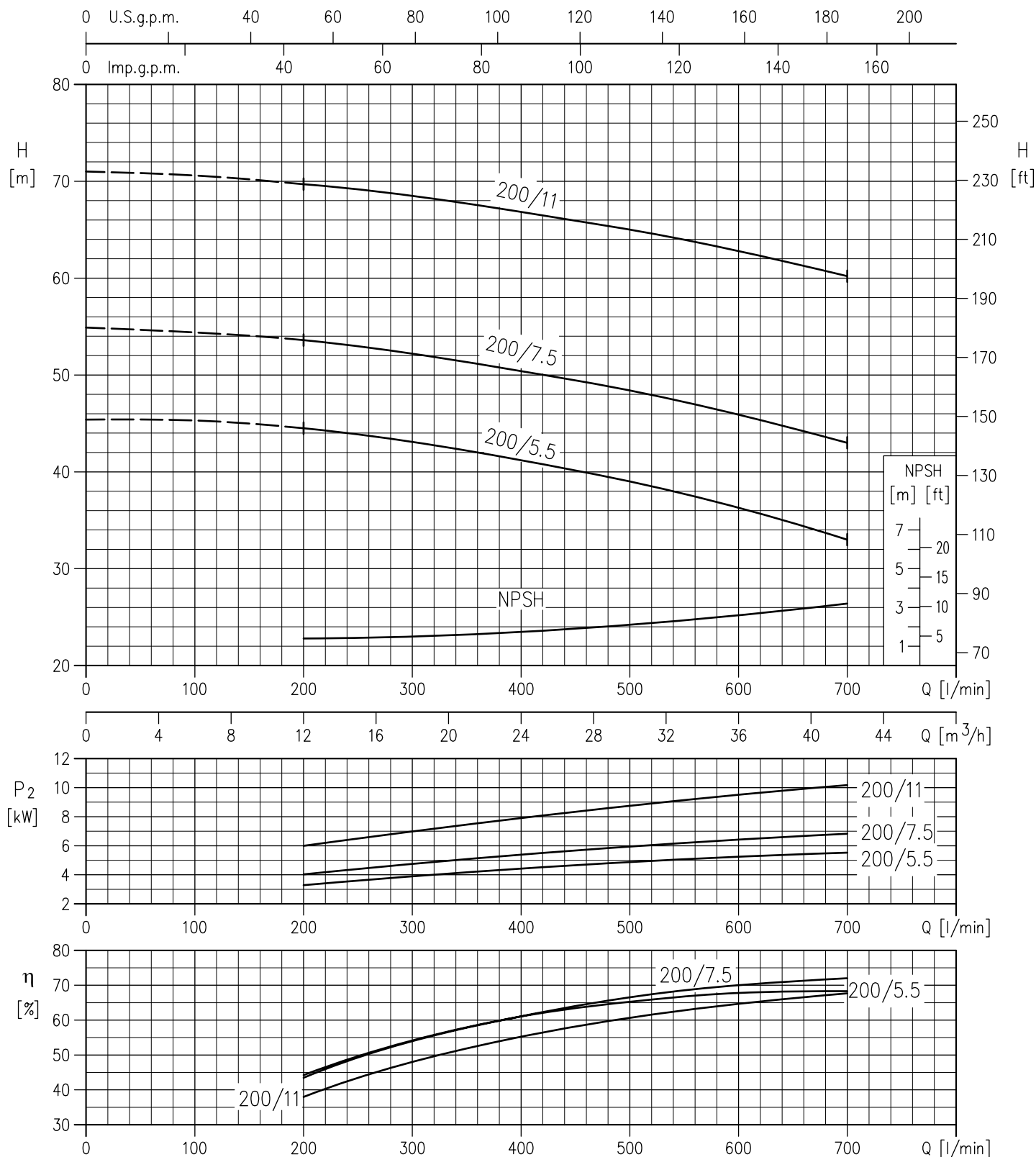


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 40-200 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

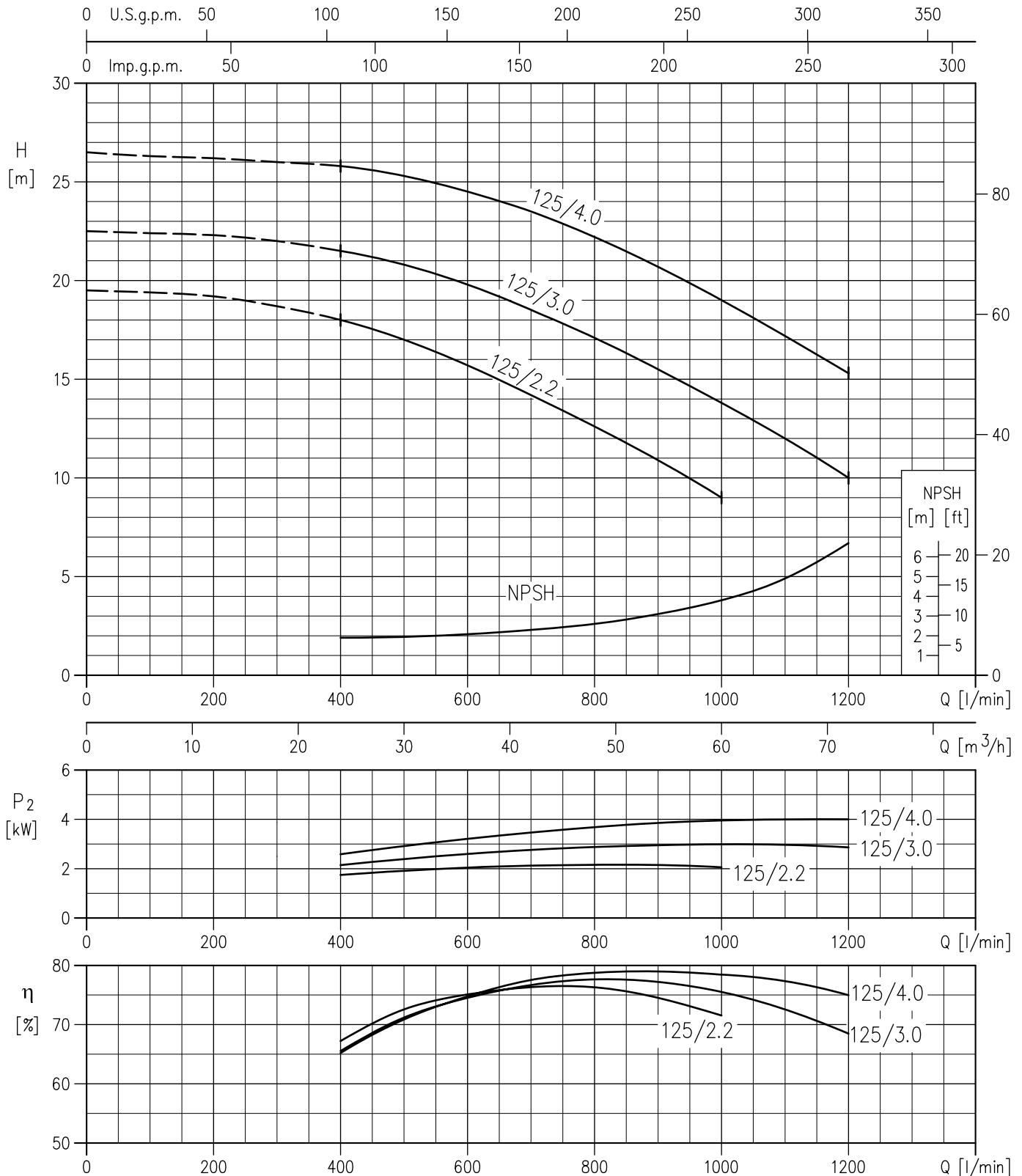


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 50-125 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

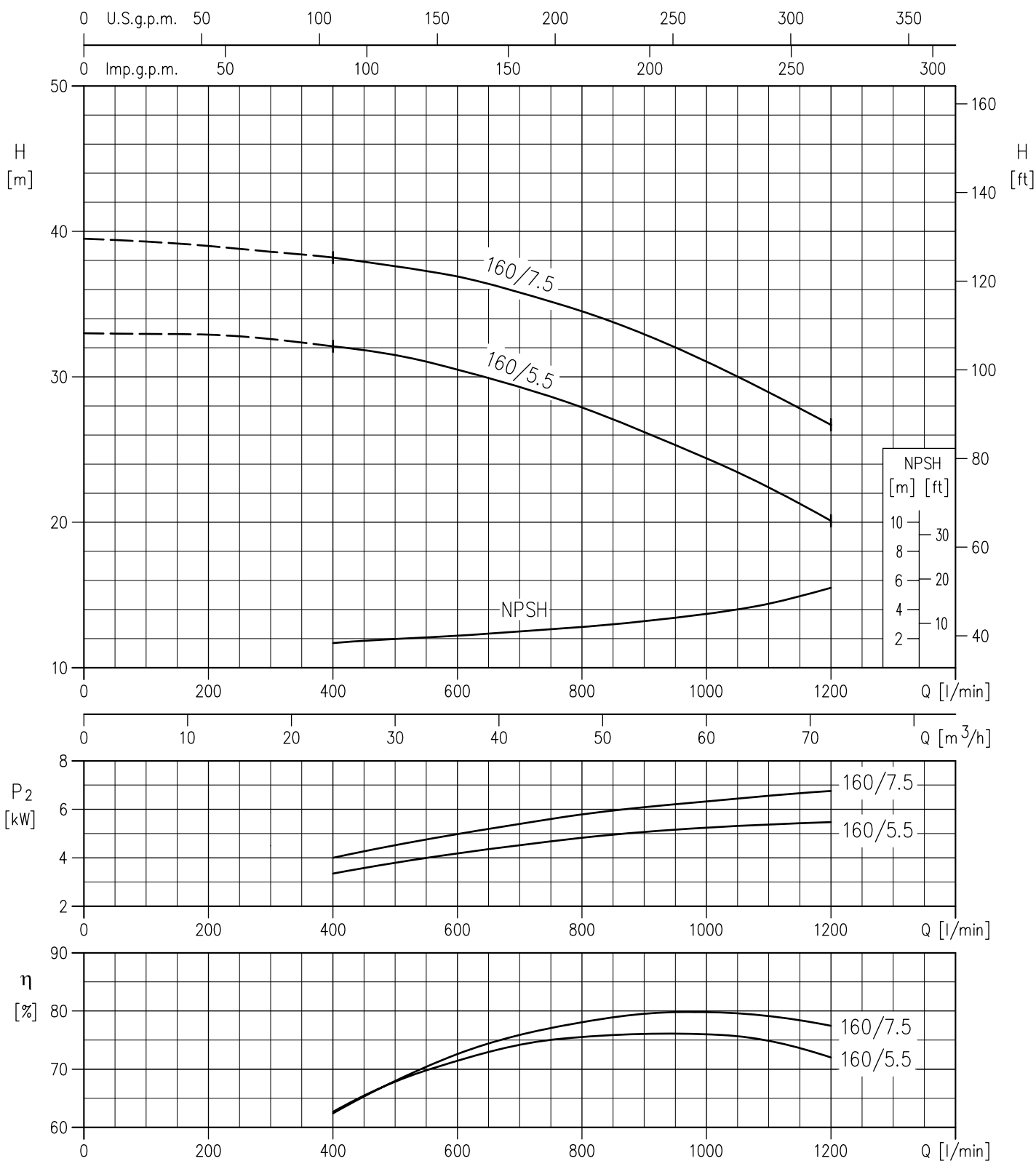


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 50-160 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

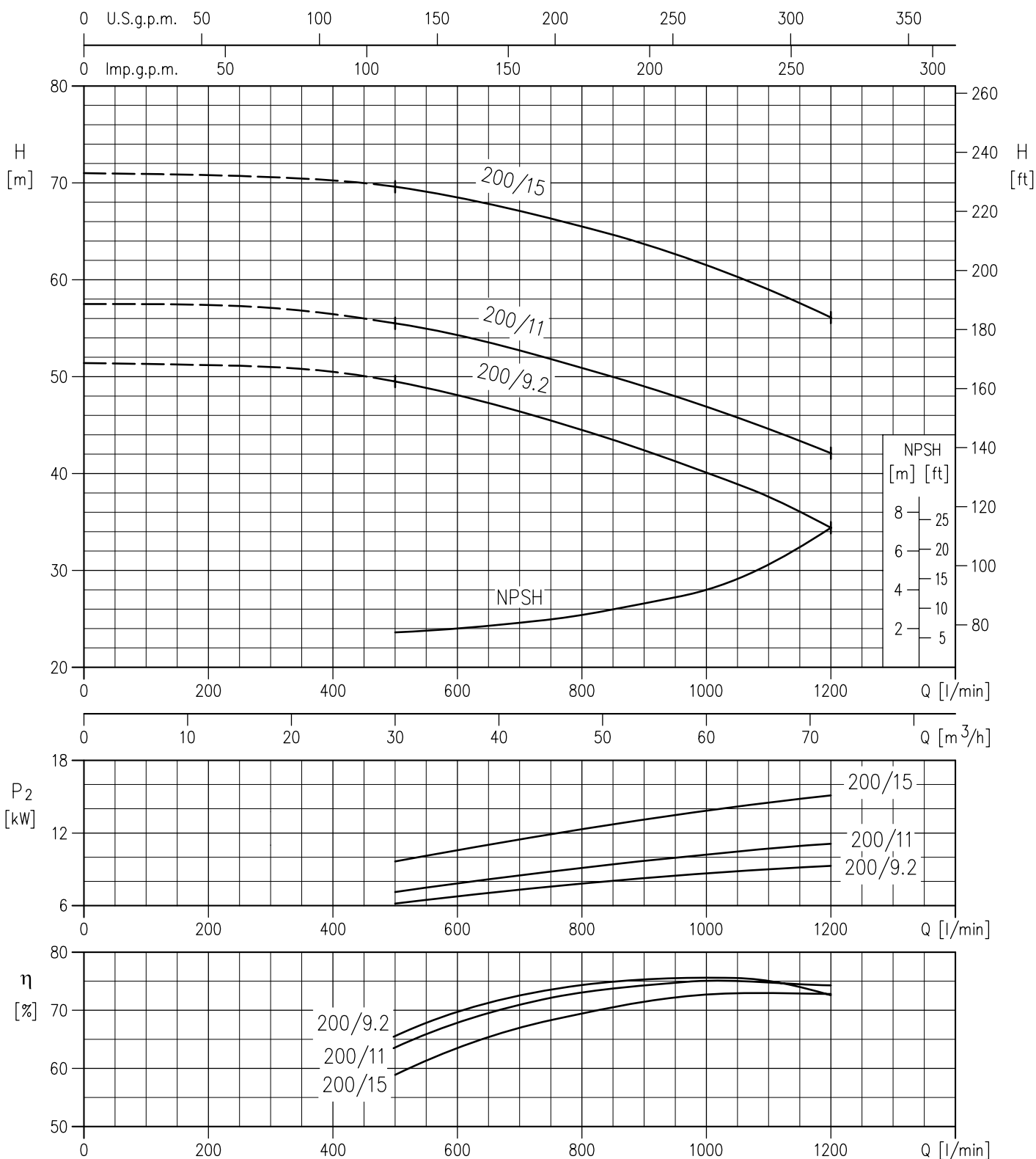


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

PERFORMANCE CURVES 3D(.) 50-200 series at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

2 Poles

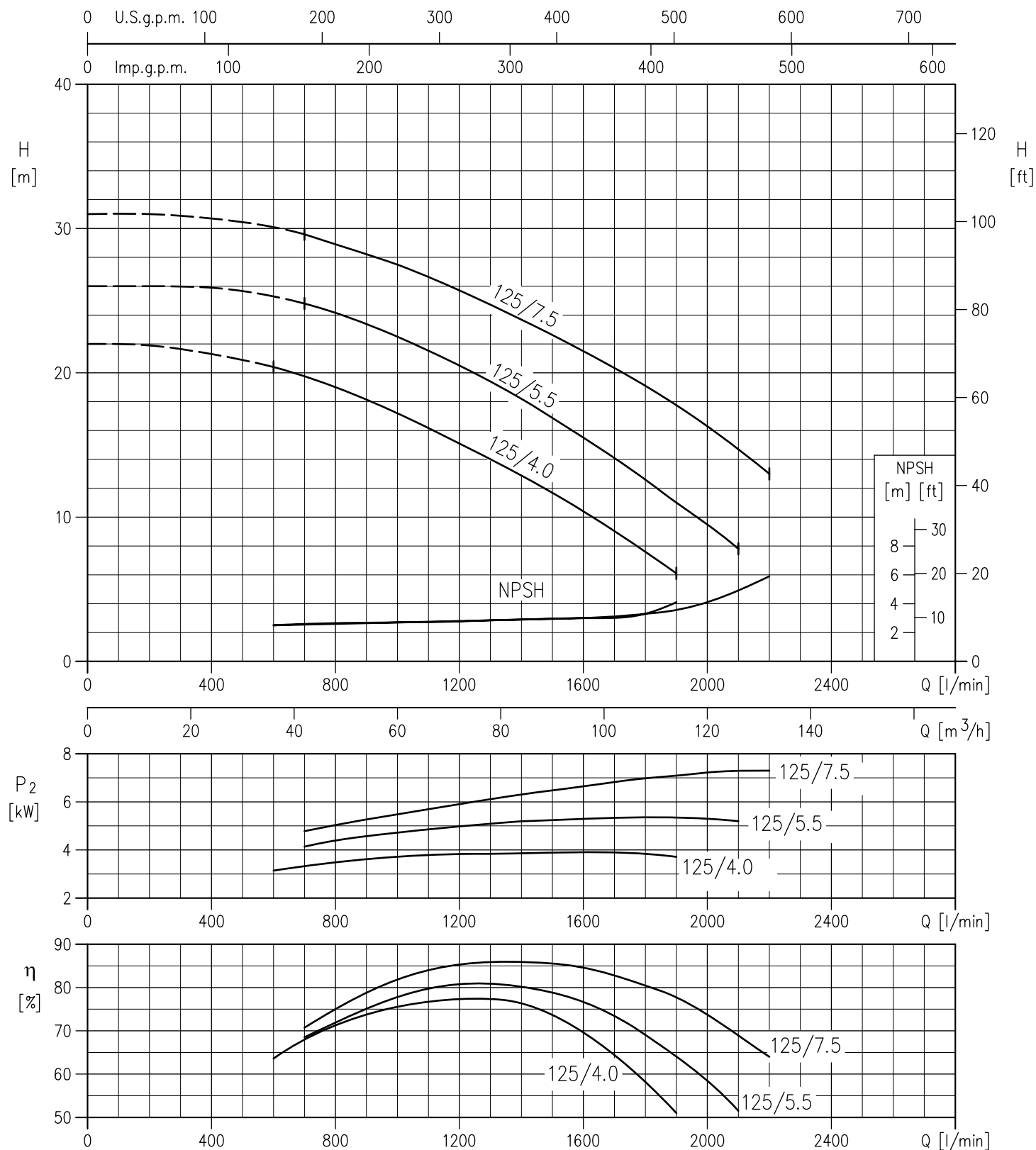


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 65-125 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**

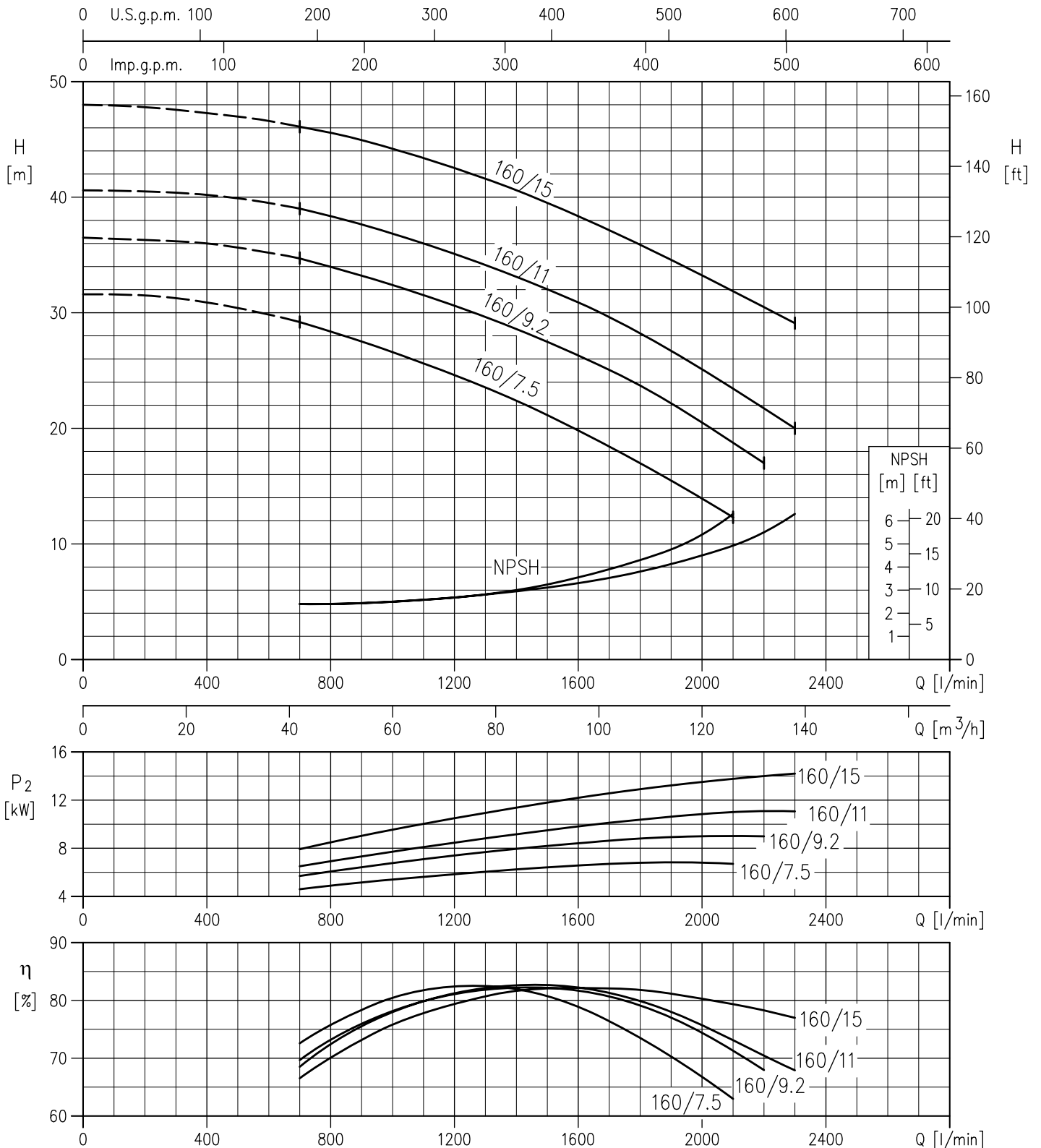


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

PERFORMANCE CURVES 3D(.) 65-160 series at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

2 Poles

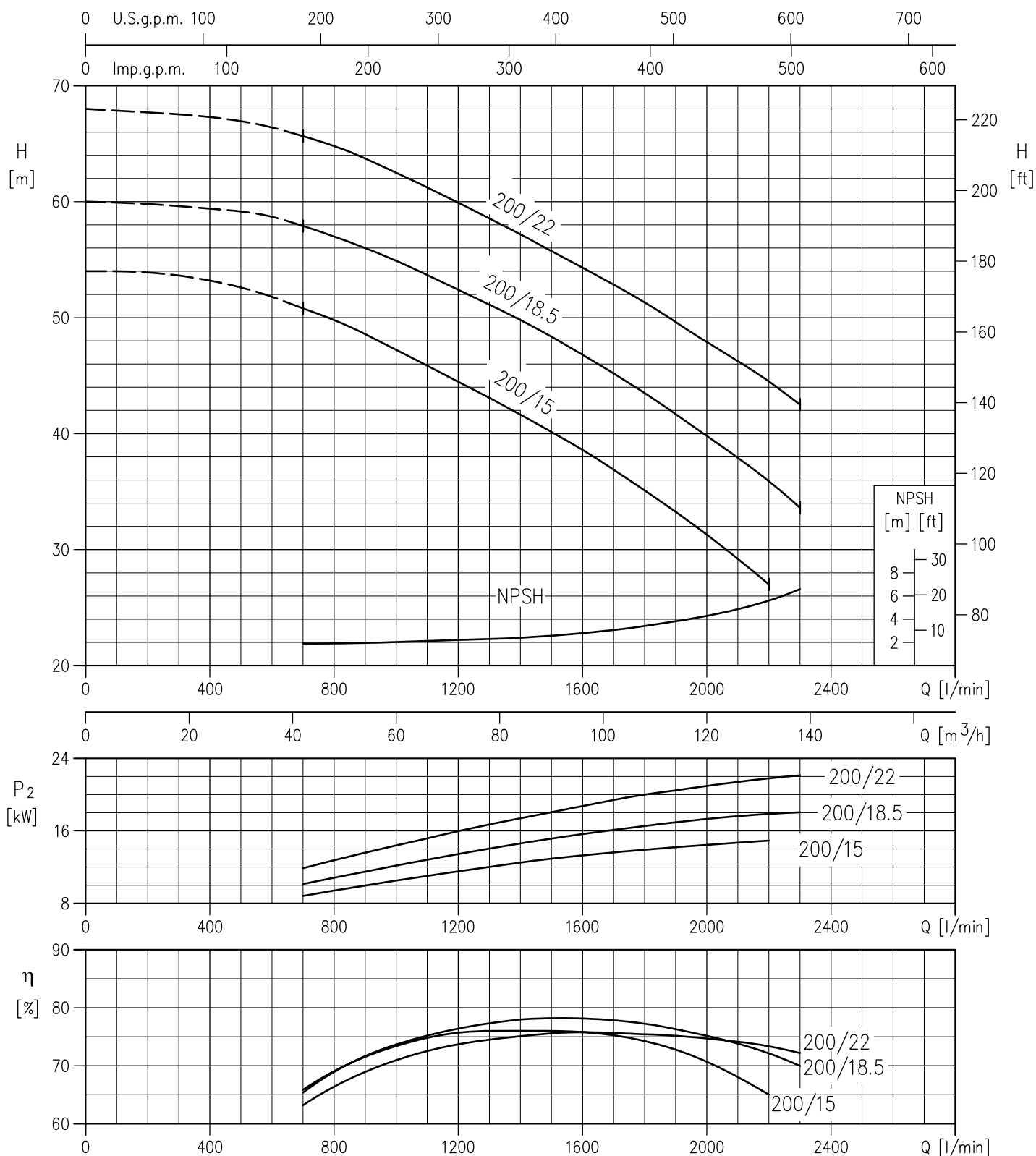


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.) 65-200 series** at 2900 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**2 Poles**



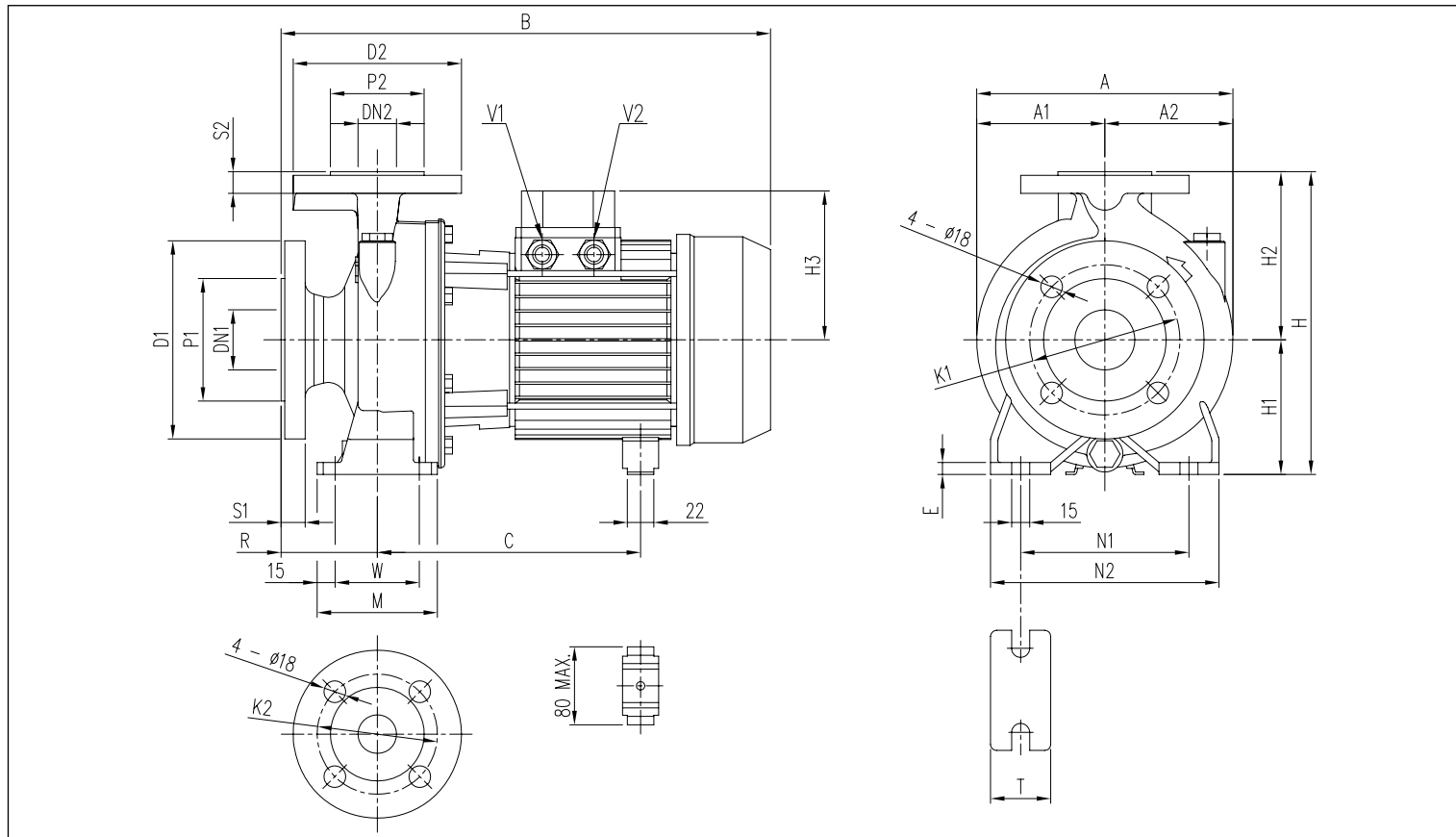


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3D SERIES - up to 11kW

2 Poles



## DIMENSIONAL TABLE

| Model            | Dimensions [mm] |         |         |         |         |          |         |         |         |         |     |     |     |           |     |     |    |     |     |     |    |    |     |       |       |          |     |     | Weight [kg] |         |           |           |        |      |      |      |
|------------------|-----------------|---------|---------|---------|---------|----------|---------|---------|---------|---------|-----|-----|-----|-----------|-----|-----|----|-----|-----|-----|----|----|-----|-------|-------|----------|-----|-----|-------------|---------|-----------|-----------|--------|------|------|------|
|                  | DN1<br>Ø        | P1<br>Ø | K1<br>Ø | D1<br>Ø | S1<br>Ø | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>Ø | S2<br>Ø | H   | H1  | H2  | H3<br>[2] | [1] | R   | W  | M   | N1  | N2  | T  | E  | A   | A1    | A2    | B<br>[2] | [1] | [*] | C<br>[2]    | [1]     | V1<br>[1] | V2<br>[2] | [1]    | [2]  | [1]  | [*]  |
| 3D 32-125/1.1(M) | 50              | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 252 | 112 | 140 | 141       | 124 | 80  | 70 | 100 | 140 | 190 | 50 | 10 | 213 | 106,5 | 106,5 | 408      | 407 | -   | 219÷230     | 219÷230 | -         | M20x1,5   | PG13,5 | 25,0 | 29,5 | -    |
| 3D 32-160/1.5(M) | 50              | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 292 | 132 | 160 | 141       | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | 408      | 407 | -   | 219÷230     | 219÷230 | -         | M20x1,5   | PG13,5 | 29,0 | 33,5 | -    |
| 3D 32-160/2.2(M) | 50              | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 292 | 132 | 160 | 141       | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | 408      | 432 | -   | 219÷230     | 244÷255 | -         | M20x1,5   | PG13,5 | 35,7 | 36,0 | -    |
| 3D 32-200/3.0    | 50              | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 340 | 160 | 180 | -         | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | -        | 471 | -   | -           | 244÷255 | -         | -         | PG13,5 | -    | 47,5 | -    |
| 3D 32-200/4.0    | 50              | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 340 | 160 | 180 | -         | 141 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | -        | 494 | -   | -           | 253     | -         | -         | PG16   | -    | 50,0 | -    |
| 3D 32-200/7.5    | 50              | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 340 | 160 | 180 | -         | 150 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | -        | 519 | 539 | -           | 275     | PG13,5    | -         | PG16   | -    | -    | 65,1 |
| 3D 40-125/1.5(M) | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 252 | 112 | 140 | 141       | 124 | 80  | 70 | 100 | 160 | 210 | 50 | 10 | 220 | 108   | 112   | 408      | 407 | -   | 219÷230     | 219÷230 | -         | M20x1,5   | PG13,5 | 25,5 | 30,0 | -    |
| 3D 40-125/2.2(M) | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 252 | 112 | 140 | 141       | 124 | 80  | 70 | 100 | 160 | 210 | 50 | 10 | 220 | 108   | 112   | 408      | 432 | -   | 219÷230     | 244÷255 | -         | M20x1,5   | PG13,5 | 31,7 | 32,0 | -    |
| 3D 40-160/3.0    | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 292 | 132 | 160 | -         | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 12 | 254 | 127   | 127   | -        | 471 | -   | -           | 244÷255 | -         | -         | PG13,5 | -    | 39,0 | -    |
| 3D 40-160/4.0    | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 292 | 132 | 160 | -         | 141 | 80  | 70 | 100 | 190 | 240 | 50 | 12 | 254 | 127   | 127   | -        | 494 | -   | -           | 253     | -         | -         | PG16   | -    | 48,0 | -    |
| 3D 40-200/5.5    | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 340 | 160 | 180 | -         | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 12 | 296 | 148   | 148   | -        | 539 | -   | -           | 275     | PG13,5    | -         | PG16   | -    | 60,0 | -    |
| 3D 40-200/7.5    | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 340 | 160 | 180 | -         | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 12 | 296 | 148   | 148   | -        | 539 | 559 | -           | 275     | PG13,5    | -         | PG16   | -    | -    | 66,1 |
| 3D 40-200/11     | 65              | 122     | 145     | 185     | 20      | 40       | 88      | 110     | 150     | 18      | 340 | 160 | 180 | -         | 178 | 100 | 70 | 100 | 212 | 265 | 50 | 12 | 296 | 148   | 148   | -        | 595 | -   | -           | 359     | PG13,5    | -         | PG21   | -    | -    | 82,4 |
| 3D 50-125/2.2(M) | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 292 | 132 | 160 | 141       | 124 | 100 | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | 428      | 452 | -   | 219÷230     | 244÷255 | -         | M20x1,5   | PG13,5 | 34,4 | 37,0 | -    |
| 3D 50-125/3.0    | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 292 | 132 | 160 | -         | 124 | 100 | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | -        | 491 | -   | -           | 244÷255 | -         | -         | PG13,5 | -    | 39,5 | -    |
| 3D 50-125/4.0    | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 292 | 132 | 160 | -         | 141 | 100 | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | -        | 514 | -   | -           | 253     | -         | -         | PG16   | -    | 48,0 | -    |
| 3D 50-160/5.5    | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 340 | 160 | 180 | -         | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -        | 539 | -   | -           | 275     | PG13,5    | -         | PG16   | -    | 60,0 | -    |
| 3D 50-160/7.5    | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 340 | 160 | 180 | -         | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -        | 539 | 559 | -           | 275     | PG13,5    | -         | PG16   | -    | -    | 67,1 |
| 3D 50-200/9.2    | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 360 | 160 | 200 | -         | 178 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -        | 595 | -   | -           | 359     | PG13,5    | -         | PG21   | -    | -    | 77,0 |
| 3D 50-200/11     | 65              | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 360 | 160 | 200 | -         | 178 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -        | 595 | -   | -           | 359     | PG13,5    | -         | PG21   | -    | -    | 82,4 |
| 3D 65-125/4.0    | 80              | 138     | 160     | 200     | 22      | 65       | 122     | 145     | 185     | 20      | 340 | 160 | 180 | -         | 141 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 263 | 127   | 136   | -        | 514 | -   | -           | 253     | -         | -         | PG16   | -    | 53,0 | -    |
| 3D 65-125/5.5    | 80              | 138     | 160     | 200     | 22      | 65       | 122     | 145     | 185     | 20      | 340 | 160 | 180 | -         | 150 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 263 | 127   | 136   | -        | 539 | -   | -           | 275     | PG13,5    | -         | PG16   | -    | 65,0 | -    |
| 3D 65-125/7.5    | 80              | 138     | 160     | 200     | 22      | 65       | 122     | 145     | 185     | 20      | 340 | 160 | 180 | -         | 150 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 263 | 127   | 136   | -        | 539 | 559 | -           | 275     | PG13,5    | -         | PG16   | -    | -    | 72,6 |
| 3D 65-160/7.5    | 80              | 138     | 160     | 200     | 22      | 65       | 122     | 145     | 185     | 20      | 360 | 160 | 200 | -         | 150 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 148   | 148   | -        | 539 | 559 | -           | 275     | PG13,5    | -         | PG16   | -    | -    | 73,1 |
| 3D 65-160/9.2    | 80              | 138     | 160     | 200     | 22      | 65       | 122     | 145     | 185     | 20      | 360 | 160 | 200 | -         | 178 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 148   | 148   | -        | 595 | -   | -           | 359     | PG13,5    | -         | PG21   | -    | -    | 85,0 |
| 3D 65-160/11     | 80              | 138     | 160     | 200     | 22      | 65       | 122     | 145     | 185     | 20      | 360 | 160 | 200 | -         | 178 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 148   | 148   | -        | 595 | -   | -           | 359     | PG13,5    | -         | PG21   | -    | -    | 87,4 |

[1]= Only three-phase

[2]= Only single-phase

[\*]= Only IE3 motors

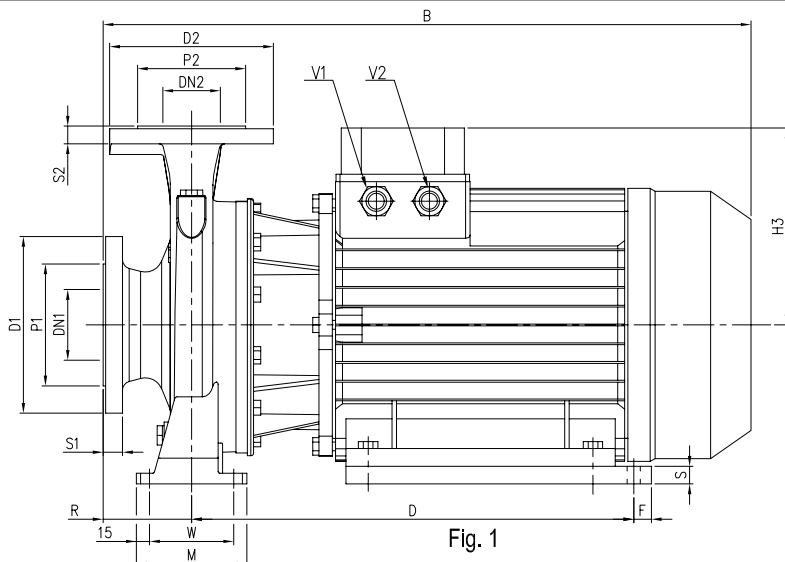
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# 3D SERIES

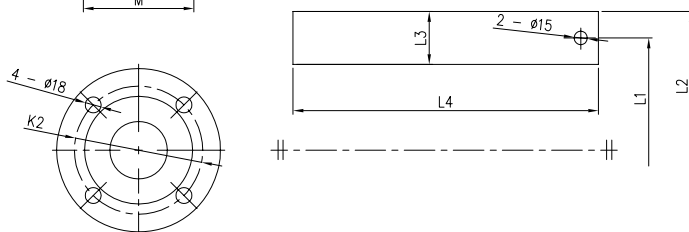
**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**DIMENSIONS 3D SERIES - from 15kW and above**

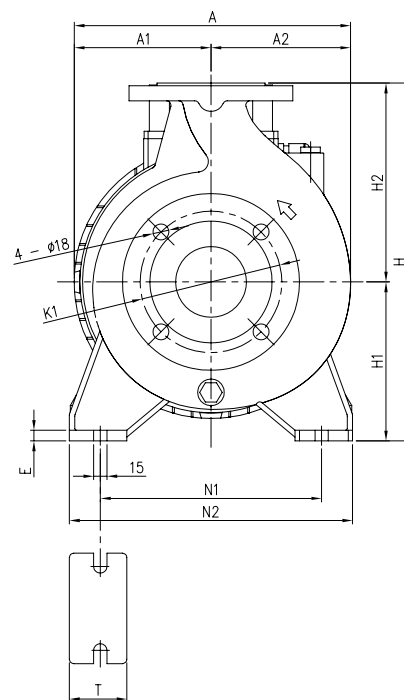
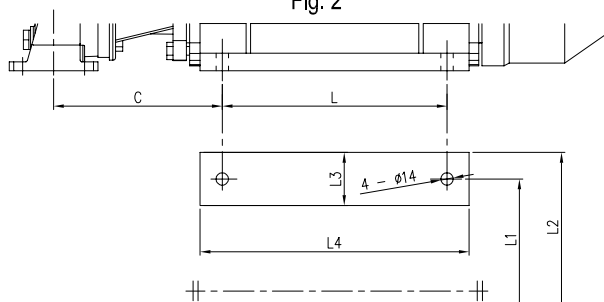
**2 Poles**



**Fig. 1**



**Fig. 2**



## DIMENSIONAL TABLE

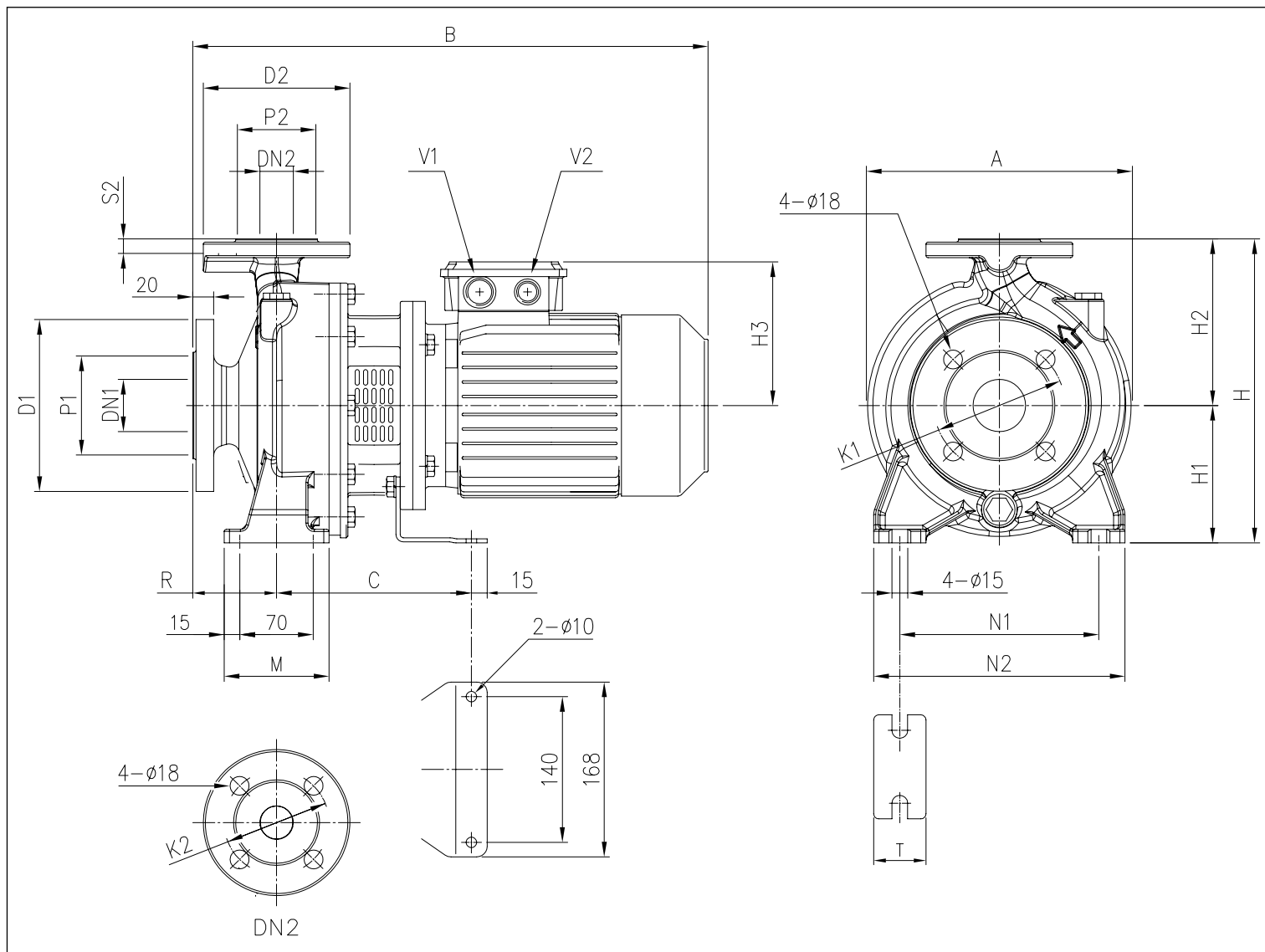
| Model          | Dimensions [mm] |     |     |     |    |          |     |     |     |    |     |     |     |     |      |     |    |     |     |     |    |    |     |       |       |     |       |     |     |     |    |     | Weight [kg] |    |    |       |       |       |
|----------------|-----------------|-----|-----|-----|----|----------|-----|-----|-----|----|-----|-----|-----|-----|------|-----|----|-----|-----|-----|----|----|-----|-------|-------|-----|-------|-----|-----|-----|----|-----|-------------|----|----|-------|-------|-------|
|                | DN1<br>Ø        | P1  | K1  | D1  | S1 | DN2<br>Ø | P2  | K2  | D2  | S2 | H   | H1  | H2  | H3  | Fig. | R   | W  | M   | N1  | N2  | T  | E  | A   | A1    | A2    | B   | C     | L   | L1  | L2  | L3 | L4  |             | D  | F  | S     | V1    | V2    |
| 3D 50-200/15   | 65              | 122 | 145 | 185 | 20 | 50       | 102 | 125 | 165 | 20 | 360 | 160 | 200 | 223 | 2    | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 154,5 | 141,5 | 723 | 190,5 | 254 | 254 | 318 | 64 | 304 | -           | -  | -  | PG 21 | PG 21 | 124,1 |
| 3D 65-160/15   | 80              | 138 | 160 | 200 | 22 | 65       | 122 | 145 | 185 | 20 | 360 | 160 | 200 | 223 | 2    | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 154,5 | 141,5 | 732 | 199,5 | 254 | 254 | 318 | 64 | 304 | -           | -  | -  | PG 21 | PG 21 | 129,1 |
| 3D 65-200/15   | 80              | 138 | 160 | 200 | 22 | 65       | 122 | 145 | 185 | 20 | 405 | 180 | 225 | 223 | 1    | 100 | 95 | 125 | 250 | 320 | 65 | 12 | 312 | 154,5 | 157,5 | 732 | -     | -   | 254 | 314 | 60 | 345 | 499,5       | 20 | 20 | PG 21 | PG 21 | 129,1 |
| 3D 65-200/18,5 | 80              | 138 | 160 | 200 | 22 | 65       | 122 | 145 | 185 | 20 | 405 | 180 | 225 | 223 | 1    | 100 | 95 | 125 | 250 | 320 | 65 | 12 | 312 | 154,5 | 157,5 | 732 | -     | -   | 254 | 314 | 60 | 345 | 499,5       | 20 | 20 | PG 21 | PG 21 | 146,3 |
| 3D 65-200/22   | 80              | 138 | 160 | 200 | 22 | 65       | 122 | 145 | 185 | 20 | 405 | 180 | 225 | 223 | 1    | 100 | 95 | 125 | 250 | 320 | 65 | 12 | 312 | 154,5 | 157,5 | 732 | -     | -   | 254 | 314 | 60 | 345 | 499,5       | 20 | 20 | PG 21 | PG 21 | 158,1 |

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DS 32, 40, 50 SERIES

2 Poles



## DIMENSIONAL TABLE

| Model          | Dimensions [mm] |      |      |      |       |      |      |      |    |     |     |     |     |     |     |     |     |    |     |     |     |         |         | Weight [kg] |      |
|----------------|-----------------|------|------|------|-------|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|---------|---------|-------------|------|
|                | DN1 Ø           | P1 Ø | K1 Ø | D1 Ø | DN2 Ø | P2 Ø | K2 Ø | D2 Ø | S2 | H   | H1  | H2  | H3  | R   | M   | N1  | N2  | T  | A   | B   | C   | V1      | V2      |             | [*]  |
| 3DS 32-125/1.1 | 50              | 102  | 125  | 165  | 32    | 78   | 100  | 140  | 18 | 252 | 112 | 140 | 139 | 80  | 100 | 140 | 190 | 50 | 213 | 430 | 174 | M25x1,5 | M20x1,5 | 30.5        | 32.1 |
| 3DS 32-160/1.5 | 50              | 102  | 125  | 165  | 32    | 75   | 100  | 140  | 18 | 292 | 132 | 160 | 148 | 80  | 100 | 190 | 240 | 50 | 254 | 477 | 186 | M25x1,5 | M20x1,5 | 36.3        | 36.3 |
| 3DS 32-160/2.2 | 50              | 102  | 125  | 165  | 32    | 75   | 100  | 140  | 18 | 292 | 132 | 160 | 148 | 80  | 100 | 190 | 240 | 50 | 254 | 477 | 186 | M25x1,5 | M20x1,5 | 40.4        | 40.4 |
| 3DS 40-125/1.5 | 65              | 115  | 145  | 185  | 40    | 80   | 110  | 150  | 14 | 252 | 112 | 140 | 148 | 80  | 114 | 160 | 210 | 50 | 213 | 477 | 186 | M25x1,5 | M20x1,5 | 31.9        | 31.9 |
| 3DS 40-125/2.2 | 65              | 115  | 145  | 185  | 40    | 80   | 110  | 150  | 14 | 252 | 112 | 140 | 148 | 80  | 114 | 160 | 210 | 50 | 213 | 477 | 186 | M25x1,5 | M20x1,5 | 35.5        | 35.5 |
| 3DS 50-125/2.2 | 65              | 115  | 145  | 185  | 50    | 95   | 125  | 165  | 16 | 292 | 132 | 160 | 148 | 100 | 114 | 190 | 240 | 50 | 254 | 497 | 186 | M25x1,5 | M20x1,5 | 37.9        | 37.9 |

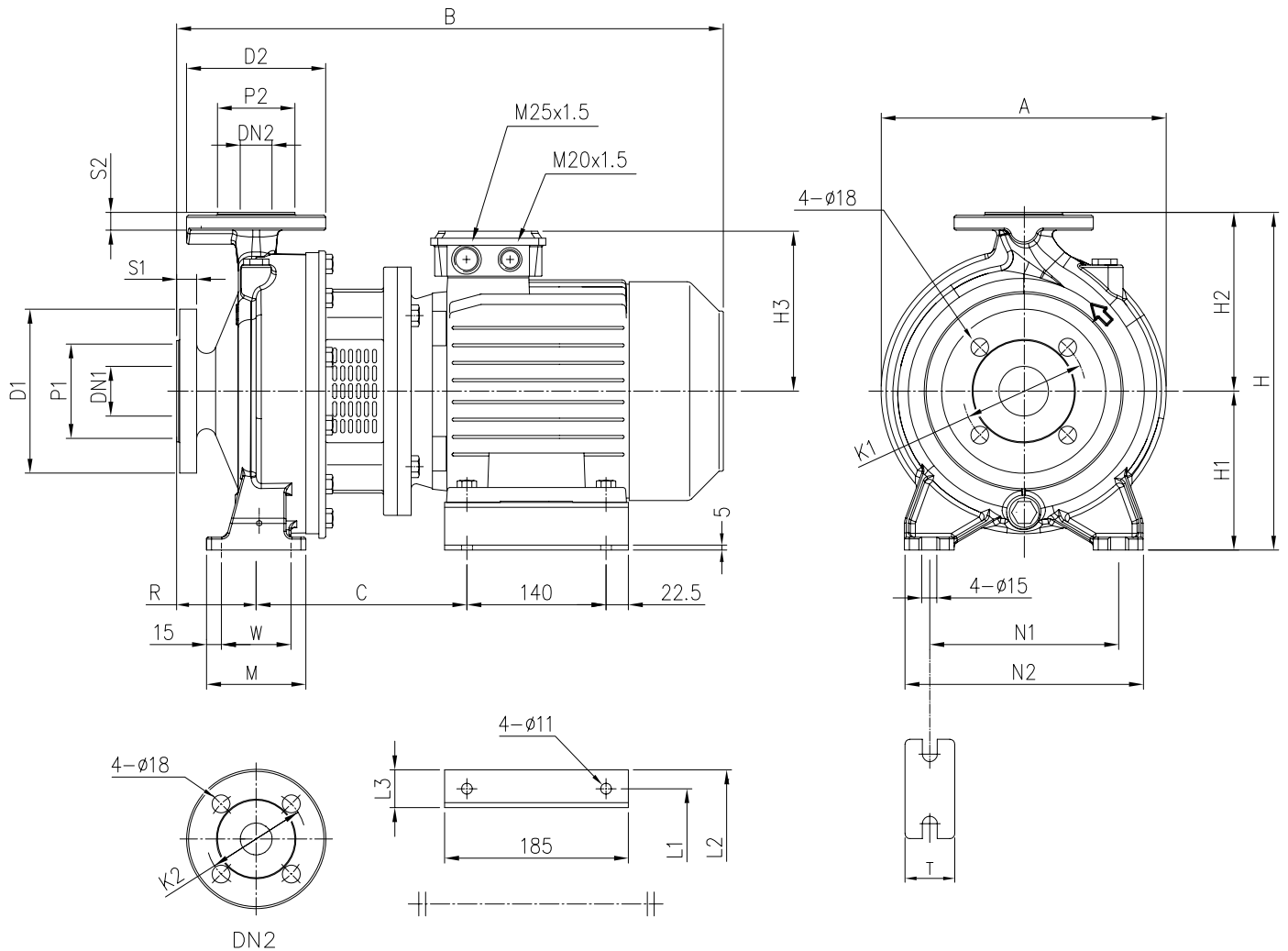
[\*] = Only for IE3 motors

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DS 32, 65 SERIES

2 Poles



## DIMENSIONAL TABLE

| Model          | Dimensions [mm] |         |         |         |    |          |         |         |         |    |     |     |     |     |     |    |     |     |     |    |     |     |     | Weight<br>[kg] |
|----------------|-----------------|---------|---------|---------|----|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----------------|
|                | DN1<br>Ø        | P1<br>Ø | K1<br>Ø | D1<br>Ø | S1 | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>Ø | S2 | H   | H1  | H2  | H3  | R   | W  | M   | N1  | N2  | T  | A   | B   | C   |                |
| 3DS 32-200/3.0 | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 340 | 160 | 180 | 155 | 80  | 70 | 100 | 190 | 240 | 50 | 296 | 528 | 205 | 59,3           |
| 3DS 32-200/4.0 | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 340 | 160 | 180 | 171 | 80  | 70 | 100 | 190 | 240 | 50 | 296 | 550 | 212 | 60,8           |
| 3DS 65-125/4.0 | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 340 | 160 | 180 | 171 | 100 | 95 | 125 | 212 | 280 | 65 | 180 | 570 | 212 | 65,4           |

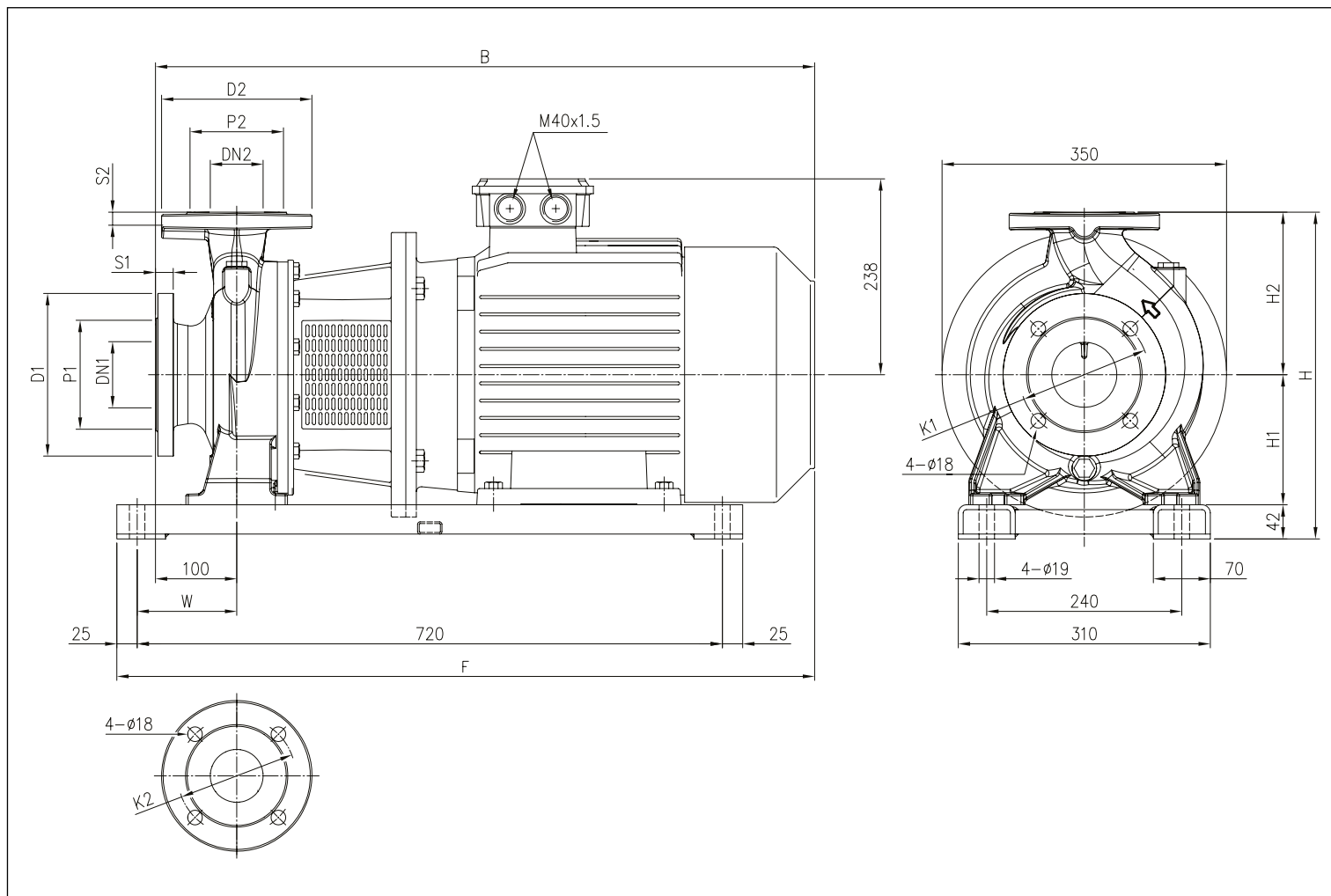
[\*]= Only for IE3 motors

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DS 40, 50, 65 SERIES

2 Poles



## DIMENSIONAL TABLE

| Model         | Dimensions [mm] |         |         |         |    |          |         |         |         |    |     |     |     |     |     |     | Weight [kg] |
|---------------|-----------------|---------|---------|---------|----|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|-----|-------------|
|               | DN1<br>Ø        | P1<br>Ø | K1<br>Ø | D1<br>Ø | S1 | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>Ø | S2 | H   | H1  | H2  | W   | B   | F   |             |
| 3DS 40-200/11 | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 382 | 160 | 180 | 110 | 796 | 833 | 130.8       |
| 3DS 50-200/11 | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 402 | 160 | 200 | 110 | 796 | 833 | 130.8       |
| 3DS 50-200/15 | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 402 | 160 | 200 | 110 | 796 | 833 | 166.9       |
| 3DS 65-160/11 | 80              | 138     | 160     | 200     | 22 | 65       | 115     | 145     | 185     | 20 | 402 | 160 | 200 | 123 | 806 | 846 | 106.8       |
| 3DS 65-160/15 | 80              | 138     | 160     | 200     | 22 | 65       | 115     | 145     | 185     | 20 | 402 | 160 | 200 | 123 | 806 | 846 | 142.9       |

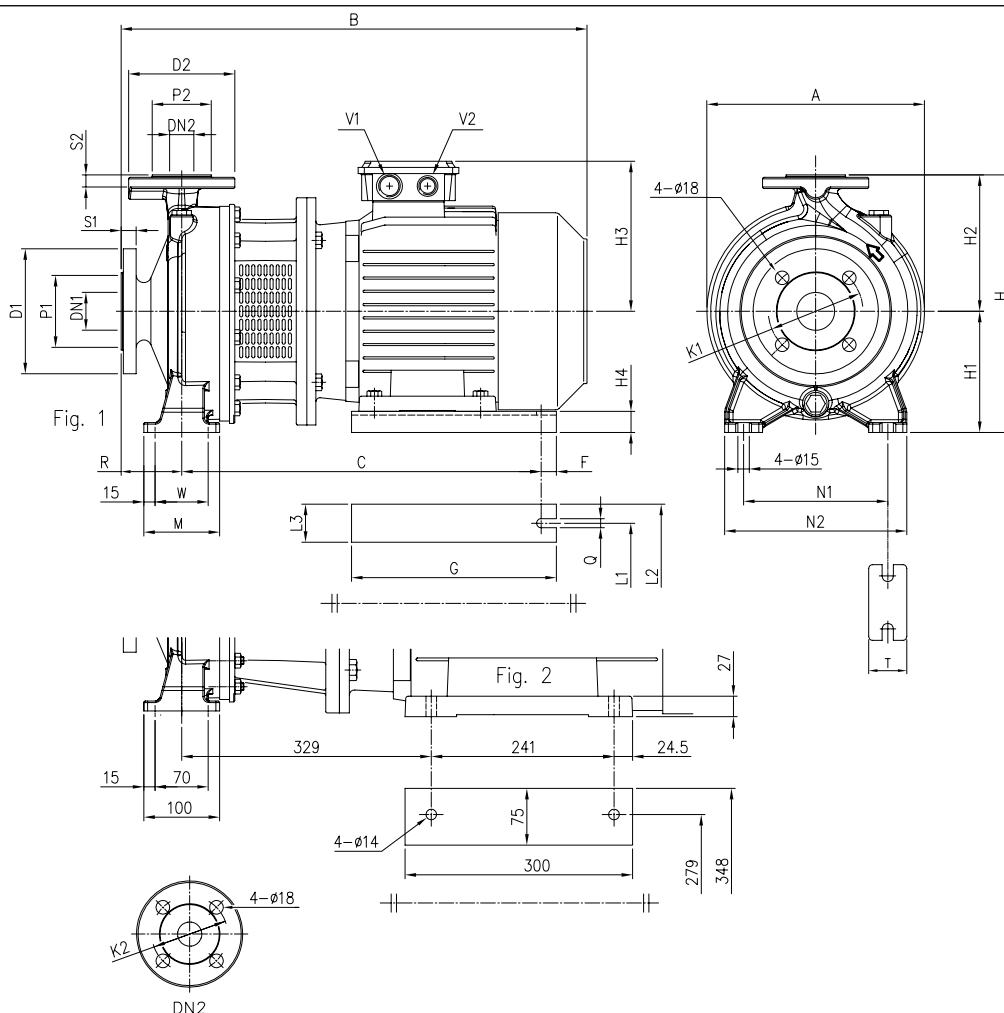
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# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DS 32, 40, 50, 65 SERIES

2 Poles



## DIMENSIONAL TABLE

| Model           | Dimensions [mm] |     |     |     |    |     |     |     |     |    |      |     |     |     |     |    |     |    |     |     |     |    |     |     |     |    |     |    |     |     |    |         | Weight [kg] |      |       |
|-----------------|-----------------|-----|-----|-----|----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|---------|-------------|------|-------|
|                 | DN1             | P1  | K1  | D1  | S1 | DN2 | P2  | K2  | D2  | S2 | Fig. | H   | H1  | H2  | H3  | H4 | R   | W  | M   | N1  | N2  | T  | A   | B   | C   | F  | G   | Q  | L1  | L2  | L3 | V1      | V2          |      | [*]   |
|                 | Ø               | Ø   | Ø   | Ø   |    | Ø   | Ø   | Ø   | Ø   |    |      |     |     |     |     |    |     |    |     |     |     |    |     |     |     |    |     |    |     |     |    |         |             |      |       |
| 3DS 32-200/7.5  | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 1    | 340 | 160 | 180 | 198 | 28 | 80  | 70 | 100 | 190 | 240 | 50 | 296 | 607 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 92    |
| 3DS 40-160/3.0  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 1    | 292 | 132 | 160 | 155 | 32 | 80  | 70 | 100 | 190 | 240 | 50 | 254 | 528 | 388 | 15 | 220 | 12 | 160 | 200 | 40 | M25X1,5 | M20X1,5     | 65,6 | 65,6  |
| 3DS 40-160/4.0  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 1    | 292 | 132 | 160 | 171 | 20 | 80  | 70 | 100 | 190 | 240 | 50 | 254 | 550 | 395 | 15 | 220 | 12 | 190 | 240 | 50 | M25X1,5 | M20X1,5     | 51,8 | 51,8  |
| 3DS 40-200/5.5  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 2    | 340 | 160 | 180 | 198 | 28 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | 79,7 | 79,7  |
| 3DS 40-200/7.5  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 2    | 340 | 160 | 180 | 198 | 28 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 88,8  |
| 3DS 50-125/3.0  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 2    | 292 | 132 | 160 | 155 | 32 | 100 | 70 | 100 | 190 | 240 | 50 | 254 | 548 | 388 | 15 | 220 | 12 | 160 | 200 | 40 | M25X1,5 | M20X1,5     | 44,1 | 44,1  |
| 3DS 50-125/4.0  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 2    | 292 | 132 | 160 | 171 | 20 | 100 | 70 | 100 | 190 | 240 | 50 | 254 | 570 | 395 | 15 | 220 | 12 | 190 | 240 | 50 | M25X1,5 | M20X1,5     | 52,7 | 52,7  |
| 3DS 50-160/5.5  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 2    | 340 | 160 | 180 | 198 | 28 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | 77,3 | 77,3  |
| 3DS 50-160/7.5  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 2    | 340 | 160 | 180 | 198 | 28 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 99,5  |
| 3DS 50-200/9.2  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 2    | 360 | 160 | 200 | 198 | 28 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 667 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 104   |
| 3DS 65-125/5.5  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 2    | 340 | 160 | 180 | 198 | 28 | 100 | 95 | 125 | 212 | 280 | 65 | 263 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | 76,3 | 76,3  |
| 3DS 65-125/7.5  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 2    | 340 | 160 | 180 | 198 | 28 | 100 | 95 | 125 | 212 | 280 | 65 | 263 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 99,9  |
| 3DS 65-160/7.5  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 2    | 360 | 160 | 200 | 198 | 28 | 100 | 95 | 125 | 212 | 280 | 65 | 296 | 627 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 99,2  |
| 3DS 65-160/9.2  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 2    | 360 | 160 | 200 | 198 | 28 | 100 | 95 | 125 | 212 | 280 | 65 | 296 | 667 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32X1,5 | M32X1,5     | -    | 108   |
| 3DS 65-200/15   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 2    | 405 | 180 | 225 | 238 | 20 | 100 | 95 | 125 | 250 | 320 | 65 | 312 | 806 | 621 | 20 | 350 | 14 | 254 | 314 | 60 | M40X1,5 | M40X1,5     | -    | 156,9 |
| 3DS 65-200/18.5 | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 2    | 405 | 180 | 225 | 238 | 20 | 100 | 95 | 125 | 250 | 320 | 65 | 312 | 850 | 621 | 20 | 350 | 14 | 254 | 314 | 60 | M40X1,5 | M40X1,5     | -    | 158,5 |
| 3DS 65-200/22   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 3    | 405 | 180 | 225 | 238 | -  | 100 | -  | -   | 250 | 320 | 65 | 312 | 885 | -   | -  | -   | -  | -   | -   | -  | M40X1,5 | M40X1,5     | -    | 197   |

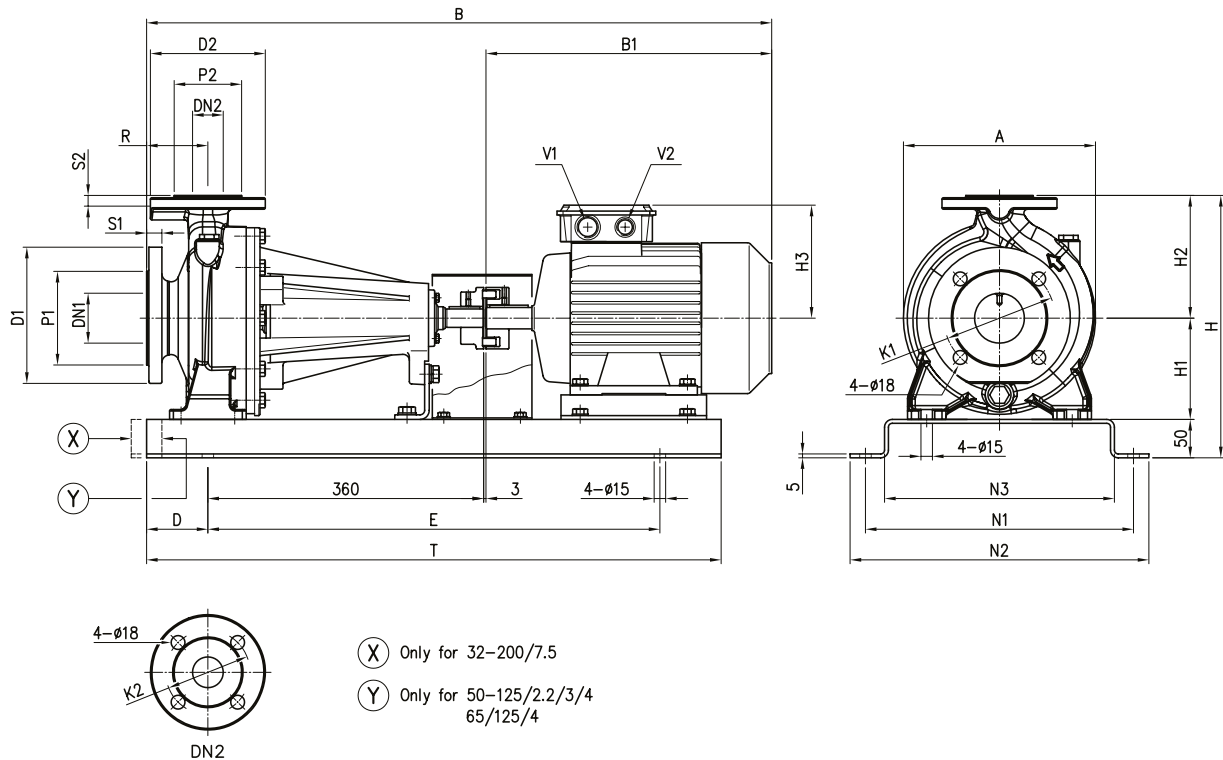
[\*]= Only for IE3 motors

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**DIMENSIONS 3DP 32, 40, 50, 65 SERIES**

**2 Poles**



**DIMENSIONAL TABLE**

| Model           | Dimensions [mm] |         |         |         |    |          |         |         |         |    |     |     |     |     |     |     |      |     |     |     |     |     |     |      |         |         | Weight<br>[kg] |       |
|-----------------|-----------------|---------|---------|---------|----|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|---------|---------|----------------|-------|
|                 | DN1<br>Ø        | P1<br>Ø | K1<br>Ø | D1<br>Ø | S1 | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>Ø | S2 | H   | H1  | H2  | H3  | R   | A   | B    | B1  | D   | E   | N1  | N2  | N3  | T    | V1      | V2      |                | [*]   |
| 3DP 32-125/1.1  | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 302 | 112 | 140 | 139 | 80  | 213 | 715  | 272 | 80  | 550 | 300 | 340 | 250 | 710  | M25x1,5 | M20x1,5 | 50,5           | 62,1  |
| 3DP 32-160/1.5  | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 342 | 132 | 160 | 148 | 80  | 254 | 760  | 317 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 58,5           | 58,5  |
| 3DP 32-160/2.2  | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 342 | 132 | 160 | 148 | 80  | 254 | 760  | 317 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 61,5           | 61,5  |
| 3DP 32-200/3.0  | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 390 | 160 | 180 | 155 | 80  | 296 | 809  | 366 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 83,9           | 83,9  |
| 3DP 32-200/4.0  | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 390 | 160 | 180 | 171 | 80  | 296 | 831  | 388 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 86,9           | 86,9  |
| 3DP 32-200/7.5  | 50              | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 390 | 160 | 180 | 198 | 80  | 296 | 885  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 117,2 |
| 3DP 40-125/1.5  | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 302 | 112 | 140 | 148 | 80  | 220 | 760  | 317 | 80  | 550 | 300 | 340 | 250 | 710  | M25x1,5 | M20x1,5 | 76,2           | 76,2  |
| 3DP 40-125/2.2  | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 302 | 112 | 140 | 148 | 80  | 220 | 760  | 317 | 80  | 550 | 300 | 340 | 250 | 710  | M25x1,5 | M20x1,5 | 56,9           | 56,9  |
| 3DP 40-160/3.0  | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 342 | 132 | 160 | 155 | 80  | 254 | 809  | 366 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 93,4           | 93,4  |
| 3DP 40-160/4.0  | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 342 | 132 | 160 | 171 | 80  | 254 | 831  | 388 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 74,8           | 74,8  |
| 3DP 40-200/5.5  | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 390 | 160 | 180 | 198 | 100 | 296 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M20x1,5 | 105,0          | 105,0 |
| 3DP 40-200/7.5  | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 390 | 160 | 180 | 198 | 100 | 296 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 113,7 |
| 3DP 40-200/11   | 65              | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 390 | 160 | 180 | 238 | 100 | 296 | 1071 | 610 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M40x1,5 | -              | 140,6 |
| 3DP 50-125/2.2  | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 342 | 132 | 160 | 148 | 100 | 254 | 780  | 317 | 80  | 550 | 350 | 390 | 300 | 710  | M25x1,5 | M20x1,5 | 80,0           | 80,0  |
| 3DP 50-125/3.0  | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 342 | 132 | 160 | 155 | 100 | 254 | 829  | 366 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 91,1           | 91,1  |
| 3DP 50-125/4.0  | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 342 | 132 | 160 | 171 | 100 | 254 | 851  | 388 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 91,7           | 91,7  |
| 3DP 50-160/5.5  | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 390 | 160 | 180 | 198 | 100 | 296 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | 111,5          | 111,5 |
| 3DP 50-160/7.5  | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 390 | 160 | 180 | 198 | 100 | 296 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 115,4 |
| 3DP 50-200/9.2  | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 410 | 160 | 200 | 198 | 100 | 296 | 945  | 482 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 124,1 |
| 3DP 50-200/11   | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 410 | 160 | 200 | 238 | 100 | 296 | 1071 | 610 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M32x1,5 | -              | 144,4 |
| 3DP 50-200/15   | 65              | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 410 | 160 | 200 | 238 | 100 | 296 | 1071 | 610 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M40x1,5 | -              | 154,4 |
| 3DP 65-125/4.0  | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 390 | 160 | 180 | 171 | 100 | 263 | 851  | 388 | 80  | 590 | 350 | 390 | 300 | 750  | M25x1,5 | M20x1,5 | 70,9           | 70,9  |
| 3DP 65-125/5.5  | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 390 | 160 | 180 | 198 | 100 | 263 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | 115,3          | 115,3 |
| 3DP 65-125/7.5  | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 390 | 160 | 180 | 198 | 100 | 263 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 129,9 |
| 3DP 65-160/7.5  | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 410 | 160 | 200 | 198 | 100 | 296 | 905  | 442 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 133,2 |
| 3DP 65-160/9.2  | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 410 | 160 | 200 | 198 | 100 | 296 | 945  | 482 | 100 | 650 | 350 | 390 | 300 | 850  | M32x1,5 | M32x1,5 | -              | 138,0 |
| 3DP 65-160/11   | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 410 | 160 | 200 | 238 | 100 | 296 | 1071 | 610 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M40x1,5 | -              | 144,8 |
| 3DP 65-160/15   | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 160 | 200 | 238 | 100 | 296 | 1071 | 610 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M40x1,5 | -              | 151,0 |
| 3DP 65-200/15   | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 180 | 225 | 238 | 100 | 312 | 1071 | 610 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M40x1,5 | -              | 156,0 |
| 3DP 65-200/18.5 | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 180 | 225 | 238 | 100 | 312 | 1115 | 654 | 100 | 800 | 380 | 420 | 330 | 1000 | M40x1,5 | M40x1,5 | -              | 156,2 |
| 3DP 65-200/22   | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 180 | 225 | 268 | 100 | 312 | 1150 | 690 | 100 | 800 | 410 | 450 | 360 | 1000 | M40x1,5 | M40x1,5 | -              | 211,0 |

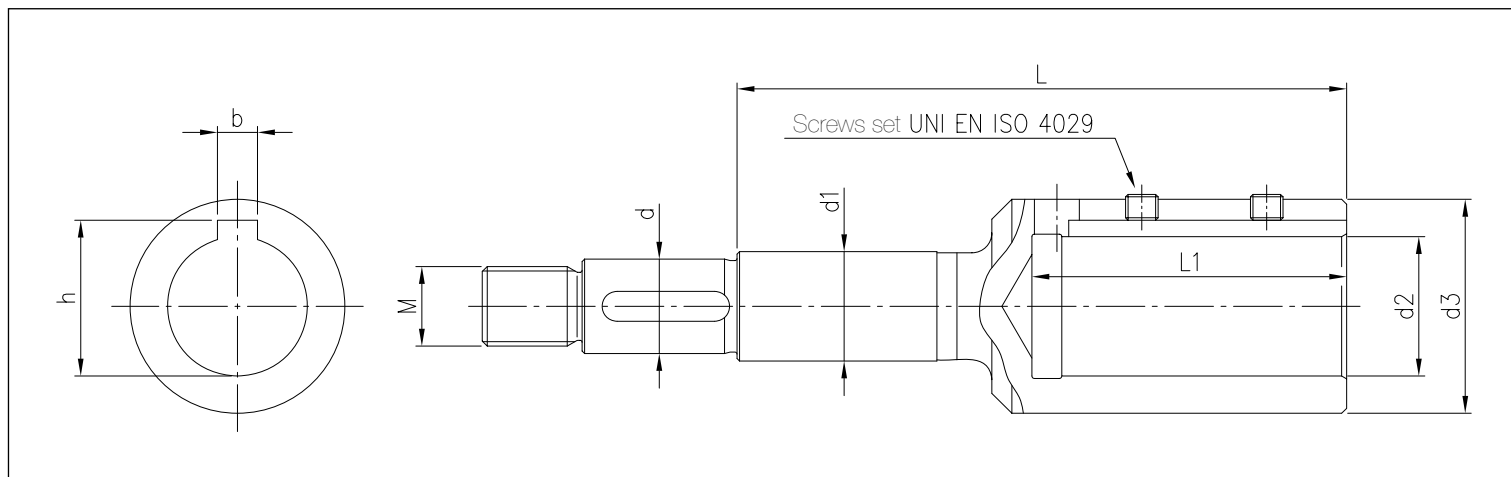
[\*]= Only for IE3 motors

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

JOINT FOR SERIES 3DS

2 Poles



**DIMENSIONAL TABLE**

| Model           | [HP] | [kW] | Motor size | d  | d1 | d2 | d3 | Dimensions [mm] |     | L1  | b  | h    | Set viti |
|-----------------|------|------|------------|----|----|----|----|-----------------|-----|-----|----|------|----------|
| 3DS 32-125/1.1  | 1,5  | 1,1  | 80         | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43  | 6  | 21,8 | M6x6     |
| 3DS 32-160/1.5  | 2    | 1,5  | 90         | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53  | 8  | 27,3 | M8x8     |
| 3DS 32-160/2.2  | 3    | 2,2  | 90         | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53  | 8  | 27,3 | M8x8     |
| 3DS 32-200/3.0  | 4    | 3    | 100        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 32-200/4.0  | 5,5  | 4    | 112        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 32-200/7.5  | 10   | 7,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 40-125/1.5  | 2    | 1,5  | 90         | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53  | 8  | 27,3 | M8x8     |
| 3DS 40-125/2.2  | 3    | 2,2  | 90         | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53  | 8  | 27,3 | M8x8     |
| 3DS 40-160/3.0  | 4    | 3    | 100        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 40-160/4.0  | 5,5  | 4    | 112        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 40-200/5.5  | 7,5  | 5,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 40-200/7.5  | 10   | 7,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 40-200/11   | 15   | 11   | 160        | 19 | 22 | 42 | 63 | M16x1,5         | 178 | 114 | 12 | 45,3 | M8x8     |
| 3DS 50-125/2.2  | 3    | 2,2  | 90         | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53  | 8  | 27,3 | M8x8     |
| 3DS 50-125/3.0  | 4    | 3    | 100        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 50-125/4.0  | 5,5  | 4    | 112        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 50-160/5.5  | 7,5  | 5,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 50-160/7.5  | 10   | 7,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 50-200/9.2  | 12,5 | 9,2  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 50-200/11   | 15   | 11   | 160        | 19 | 22 | 42 | 63 | M16x1,5         | 178 | 114 | 12 | 45,3 | M8x8     |
| 3DS 50-200/15   | 20   | 15   | 160        | 22 | 22 | 42 | 63 | M18x1,5         | 209 | 114 | 12 | 45,3 | M8x8     |
| 3DS 65-125/4.0  | 5,5  | 4    | 112        | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63  | 8  | 31,3 | M8x8     |
| 3DS 65-125/5.5  | 7,5  | 5,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 65-125/7.5  | 10   | 7,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 65-160/7.5  | 10   | 7,5  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 65-160/9.2  | 12,5 | 9,2  | 132        | 19 | 22 | 38 | 58 | M16x1,5         | 145 | 84  | 10 | 41,3 | M8x8     |
| 3DS 65-160/11   | 15   | 11   | 160        | 19 | 22 | 42 | 63 | M16x1,5         | 178 | 114 | 12 | 45,3 | M8x8     |
| 3DS 65-160/15   | 20   | 15   | 160        | 24 | 30 | 42 | 63 | M20x1,5         | 184 | 114 | 12 | 45,3 | M8x8     |
| 3DS 65-200/15   | 20   | 15   | 160        | 24 | 30 | 42 | 63 | M20x1,5         | 184 | 114 | 12 | 45,3 | M8x8     |
| 3DS 65-200/18.5 | 25   | 18,5 | 160        | 24 | 30 | 42 | 63 | M20x1,5         | 184 | 114 | 12 | 45,3 | M8x8     |
| 3DS 65-200/22   | 30   | 22   | 180        | 24 | 30 | 48 | 72 | M20x1,5         | 184 | 114 | 14 | 51,8 | M10x10   |

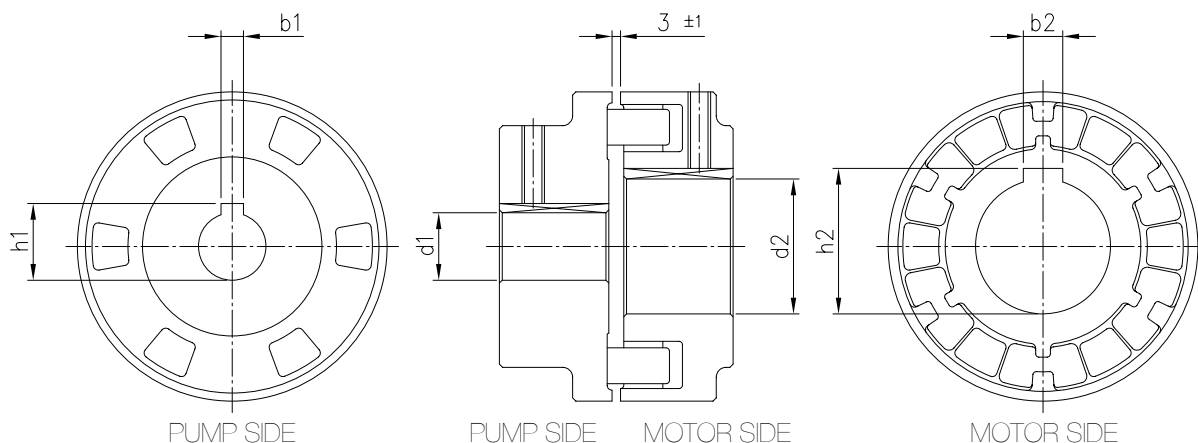


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

JOINT FOR SERIES 3DP

2 Poles



**DIMENSIONAL TABLE**

| Model           | [HP] | [kW] | Motor size | Dimensions [mm] |    |      |    |    |      |
|-----------------|------|------|------------|-----------------|----|------|----|----|------|
|                 |      |      |            | d1              | b1 | h1   | d2 | b2 | h2   |
| 3DP 32-125/1.1  | 1,5  | 1,1  | 80         | 24              | 8  | 27,3 | 19 | 6  | 21,8 |
| 3DP 32-160/1.5  | 2    | 1,5  | 90         | 24              | 8  | 27,3 | 24 | 8  | 27,3 |
| 3DP 32-160/2.2  | 3    | 2,2  | 90         | 24              | 8  | 27,3 | 24 | 8  | 27,3 |
| 3DP 32-200/3.0  | 4    | 3    | 100        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 32-200/4.0  | 5,5  | 4    | 112        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 32-200/7.5  | 10   | 7,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 40-125/1.5  | 2    | 1,5  | 90         | 24              | 8  | 27,3 | 24 | 8  | 27,3 |
| 3DP 40-125/2.2  | 3    | 2,2  | 90         | 24              | 8  | 27,3 | 24 | 8  | 27,3 |
| 3DP 40-160/3.0  | 4    | 3    | 100        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 40-160/4.0  | 5,5  | 4    | 112        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 40-200/5.5  | 7,5  | 5,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 40-200/7.5  | 10   | 7,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 40-200/11   | 15   | 11   | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 50-125/2.2  | 3    | 2,2  | 90         | 24              | 8  | 27,3 | 24 | 8  | 27,3 |
| 3DP 50-125/3.0  | 4    | 3    | 100        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 50-125/4.0  | 5,5  | 4    | 112        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 50-160/5.5  | 7,5  | 5,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 50-160/7.5  | 10   | 7,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 50-200/9.2  | 12,5 | 9,2  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 50-200/11   | 15   | 11   | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 50-200/15   | 20   | 15   | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 65-125/4.0  | 5,5  | 4    | 112        | 24              | 8  | 27,3 | 28 | 8  | 31,3 |
| 3DP 65-125/5.5  | 7,5  | 5,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 65-160/7.5  | 10   | 7,5  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 65-160/9.2  | 12,5 | 9,2  | 132        | 24              | 8  | 27,3 | 38 | 10 | 41,3 |
| 3DP 65-160/11   | 15   | 11   | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 65-160/15   | 20   | 15   | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 65-200/15   | 20   | 15   | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 65-200/18.5 | 25   | 18,5 | 160        | 24              | 8  | 27,3 | 42 | 12 | 45,3 |
| 3DP 65-200/22   | 30   | 22   | 180        | 24              | 8  | 27,3 | 48 | 14 | 51,8 |

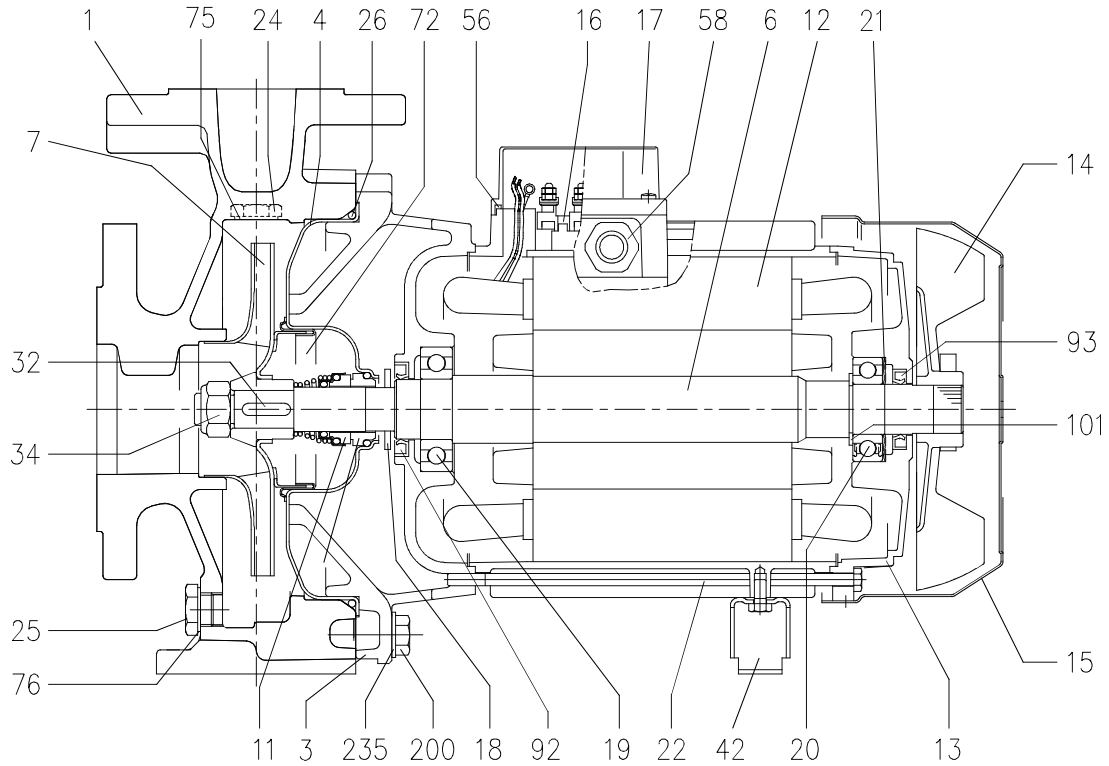
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## 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

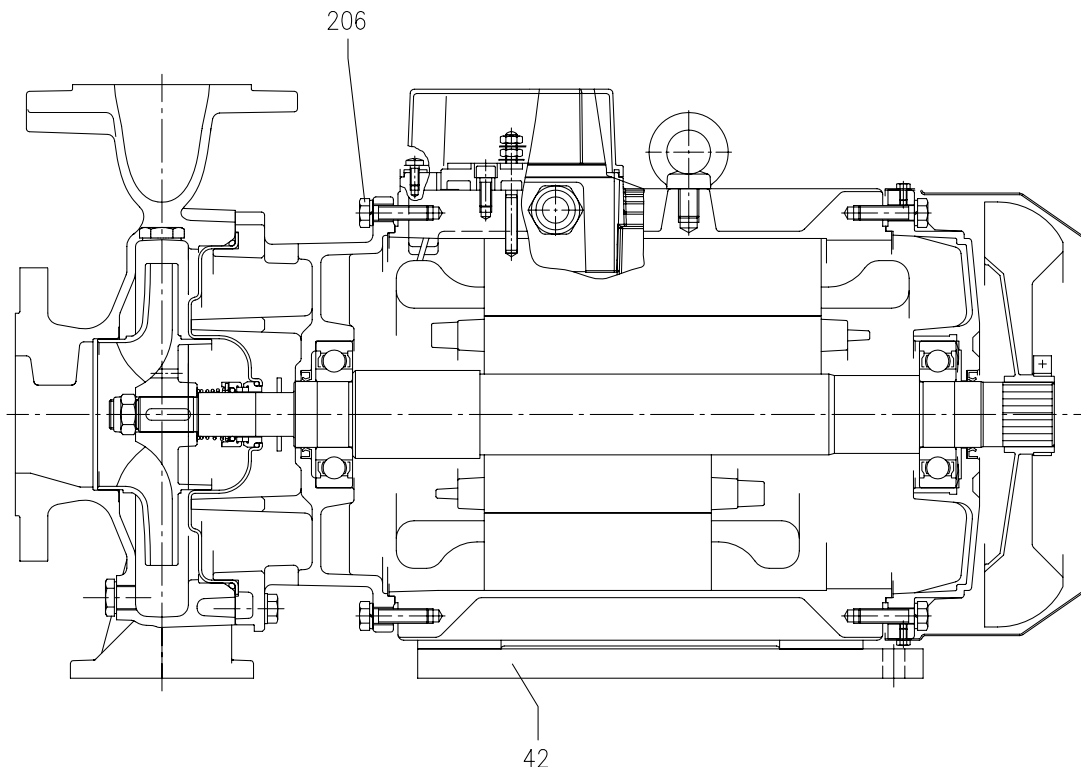
**SECTIONAL VIEW 3D 32, 40, 50, 65 SERIES - up to 11 kW**

**2 Poles**



**SECTIONAL VIEW 3D 32, 40, 50, 65 SERIES - from 15 kW and above**

**2 Poles**



## 3D SERIES

### NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

#### MATERIALS TABLE

| Rif. | Name                                         | Material                                 |
|------|----------------------------------------------|------------------------------------------|
| 001  | Pump body                                    | Cast iron EN-GJL-250-EN 1561             |
| 003  | Motor support                                | [1]                                      |
| 004  | Seal housing disc                            | EN 1.4301 (AISI 304)                     |
| 006  | Shaft (part coming into contact with liquid) | EN 1.4301 (AISI 304)                     |
| 007  | Impeller                                     | [2]                                      |
| 011  | Mechanical seal                              | Ceramic/Carbon/NBR                       |
| 012  | Motor casing                                 | -                                        |
| 013  | Motor cover                                  | Aluminium                                |
| 014  | Fan                                          | PA                                       |
| 015  | Fan cover                                    | Fe P04 Galvanised                        |
| 016  | Terminal block                               | -                                        |
| 017  | Terminal block cover                         | Aluminium (for three-phase version only) |
| 018  | Splash guard washer                          | NBR                                      |
| 019  | Bearing (pump side)                          | -                                        |
| 020  | Bearing (motor side)                         | -                                        |
| 021  | Adjusting ring                               | Steel C70                                |
| 022  | Tie rod                                      | Fe 42 Galvanised                         |
|      | Screw                                        | Galvanised steel 8.8 class ISO 898-1     |
| 024  | Filler plug                                  | Brass                                    |
| 025  | Discharge plug                               | Brass                                    |
| 026  | O-ring                                       | NBR [3]                                  |
| 032  | Key                                          | EN 1.4401 (AISI 304)                     |
| 034  | Impeller nut                                 | EN 1.4301 (AISI 304)                     |
| 042  | Foot                                         | Aluminium / Galvanised steel             |
| 056  | Terminal block                               | NBR                                      |
| 058  | Cable gland                                  | -                                        |
| 072  | Wear ring [4]                                | EN 1.4301 (AISI 304)                     |
| 075  | Washer                                       | Aluminium                                |
| 076  | Washer                                       | Aluminium                                |
| 092  | Sealing ring                                 | -                                        |
| 093  | Sealing ring                                 | -                                        |
| 101  | Elastic ring [5]                             | Carbon Steel TC 80                       |
| 200  | Screw                                        | Galvanised steel 8.8 class ISO 898-1     |
| 235  | Washer                                       | Galvanised steel                         |
| 206  | Screw (support) [6]                          | Galvanised steel 8.8 class ISO 898-1     |

[1]= Cast iron EN-GJL-200-EN 1561 for 3D 32-200/3 and models with 15, 18.5 and 22 kW; aluminium AL-EN-1706-AC-46000-D for the remaining models of the range

[2]= EN 1.4301 (AISI 304) for SERIES 3D 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3D 65

[3]= FPM for versions H, HS, HW, HSW; EDPM for version E

[4]= Only for SERIES 3D 32-200, 40-200, 50-160, 50-200

[5]= Only for 9.2kW and 11kW models

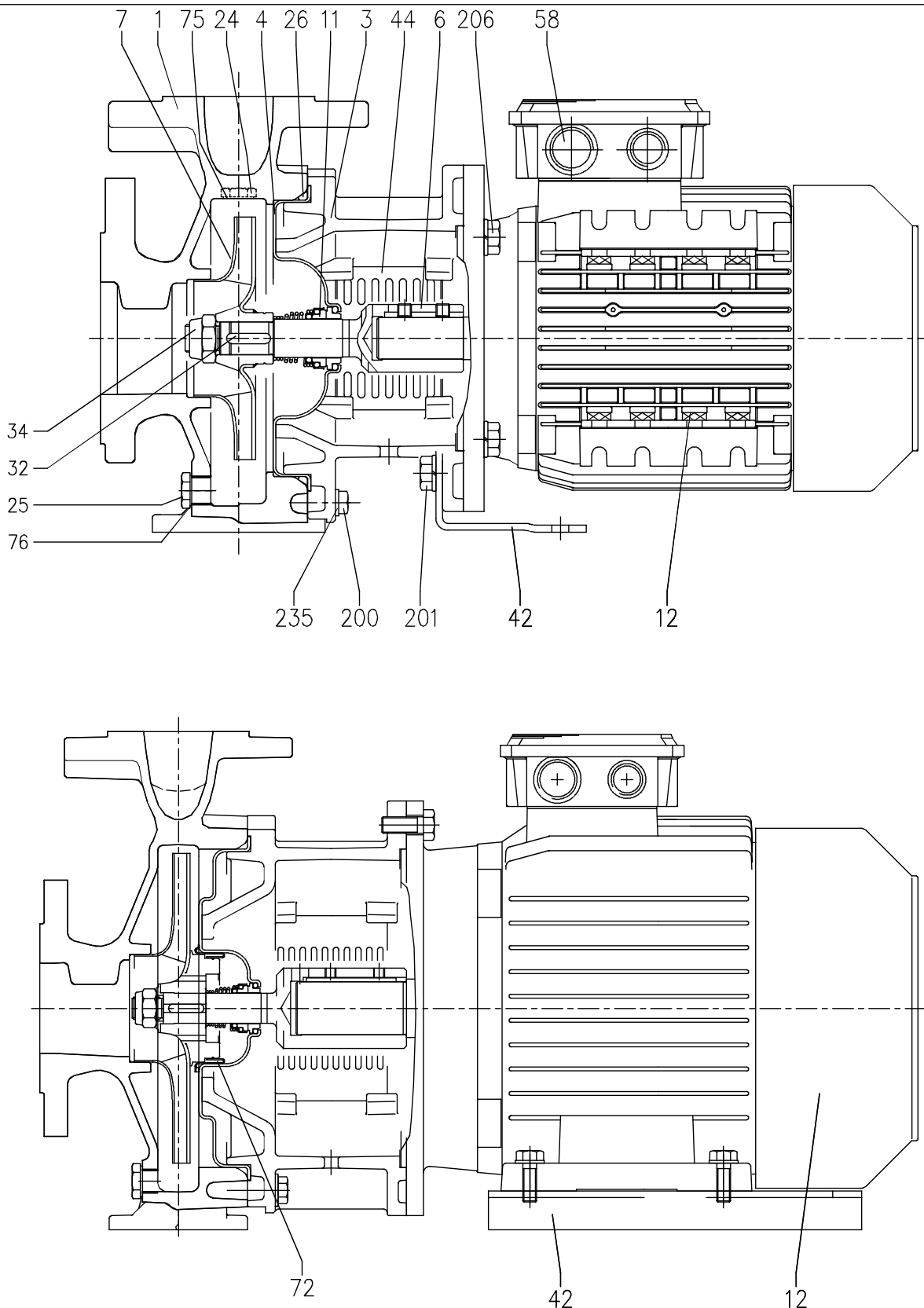
[6]= Only for 11kW models

## 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

SECTIONAL VIEW 3DS 32, 40, 50 SERIES

2 Poles

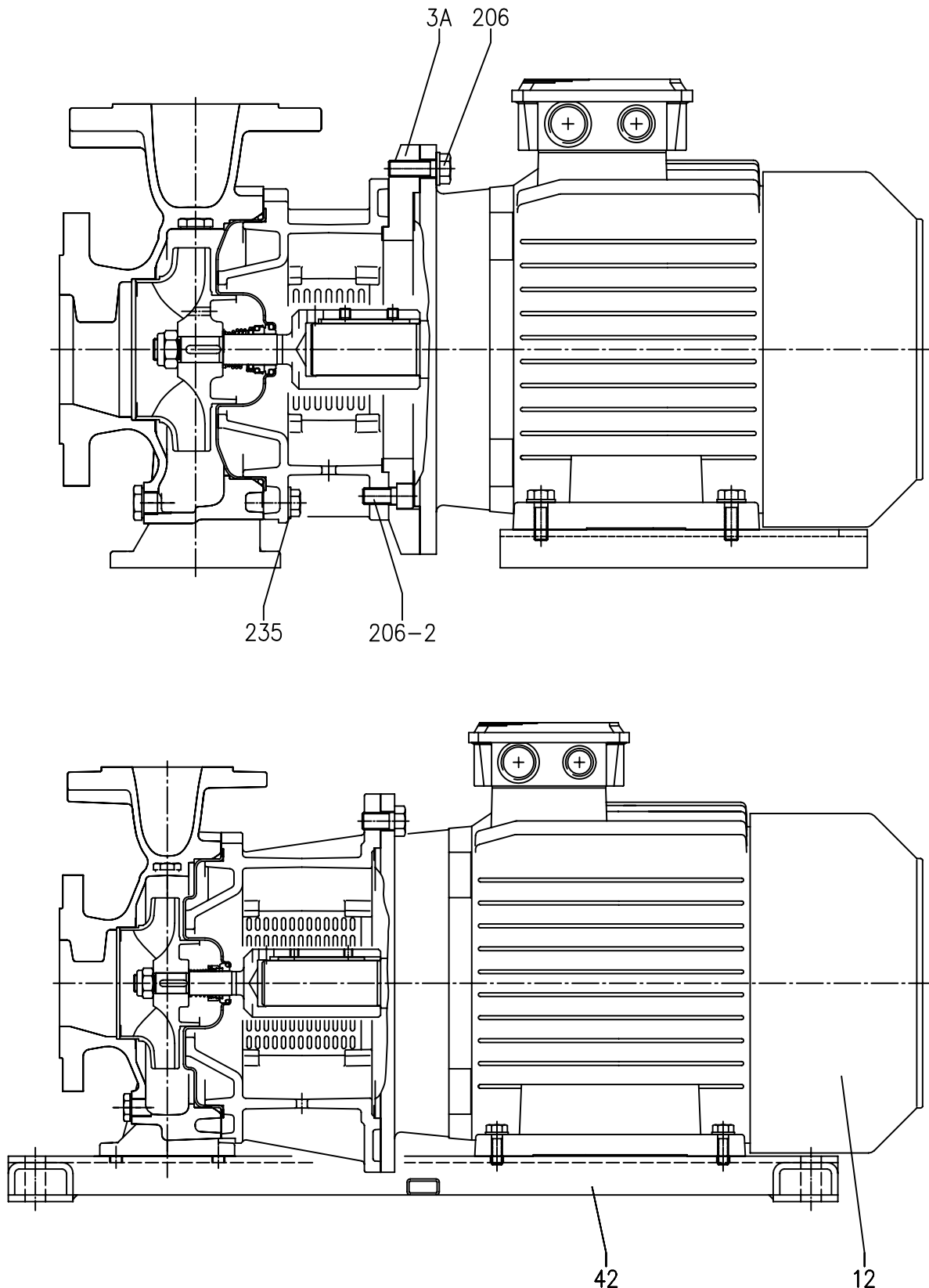


## 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

SECTIONAL VIEW 3DS 65 SERIES

2 Poles



## 3D SERIES

### NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

#### MATERIALS TABLE

| Rif.  | Name                                         | Material                             |
|-------|----------------------------------------------|--------------------------------------|
| 001   | Pump body                                    | Cast iron EN-GJL-250-EN 1561         |
| 003   | Motor support                                | Cast iron EN-GJL-250-EN 1561         |
| 003A  | Adapter ring [1]                             | Cast iron EN-GJL-250-EN 1561         |
| 004   | Rotor shaft                                  | EN 1.4301 (AISI 304)                 |
| 006   | Joint (part coming into contact with liquid) | EN 1.4301 (AISI 304)                 |
| 007   | Impeller                                     | [2]                                  |
| 011   | Mechanical seal                              | Ceramic/Carbon/NBR                   |
| 012   | Motor                                        | -                                    |
| 024   | Filler plug                                  | Brass                                |
| 025   | Discharge plug                               | Brass                                |
| 026   | O-ring                                       | NBR [3]                              |
| 032   | Key                                          | EN 1.4401 (AISI 304)                 |
| 034   | Impeller nut                                 | EN 1.4301 (AISI 304)                 |
| 042   | Foot                                         | Galvanised steel                     |
| 044   | Support protection                           | EN 1.4301 (AISI 304)                 |
| 058   | Cable gland                                  | -                                    |
| 072   | Wear ring [4]                                | EN 1.4301 (AISI 304)                 |
| 075   | Washer                                       | Aluminium                            |
| 076   | Washer                                       | Aluminium                            |
| 200   | Screw                                        | Galvanised steel 8.8 class ISO 898-1 |
| 201   | Screw [5]                                    | Galvanised steel 8.8 class ISO 898-1 |
| 206   | Screw (support)                              | Galvanised steel 8.8 class ISO 898-1 |
| 206-2 | Adapter ring screw                           | Galvanised steel 8.8 class ISO 898-1 |
| 235   | Washer                                       | Galvanised steel                     |

[1]= Only for SERIES 3D models 65-125/5.5 and 65-125/7.5

[2]= EN 1.4301 (AISI 304) for SERIES 3D 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3D 65

[3]= FPM for versions H, HS, HW, HSW; EPDM for version E

[4]= Only for SERIES 3D models 32-200, 40-200, 50-160, 50-200

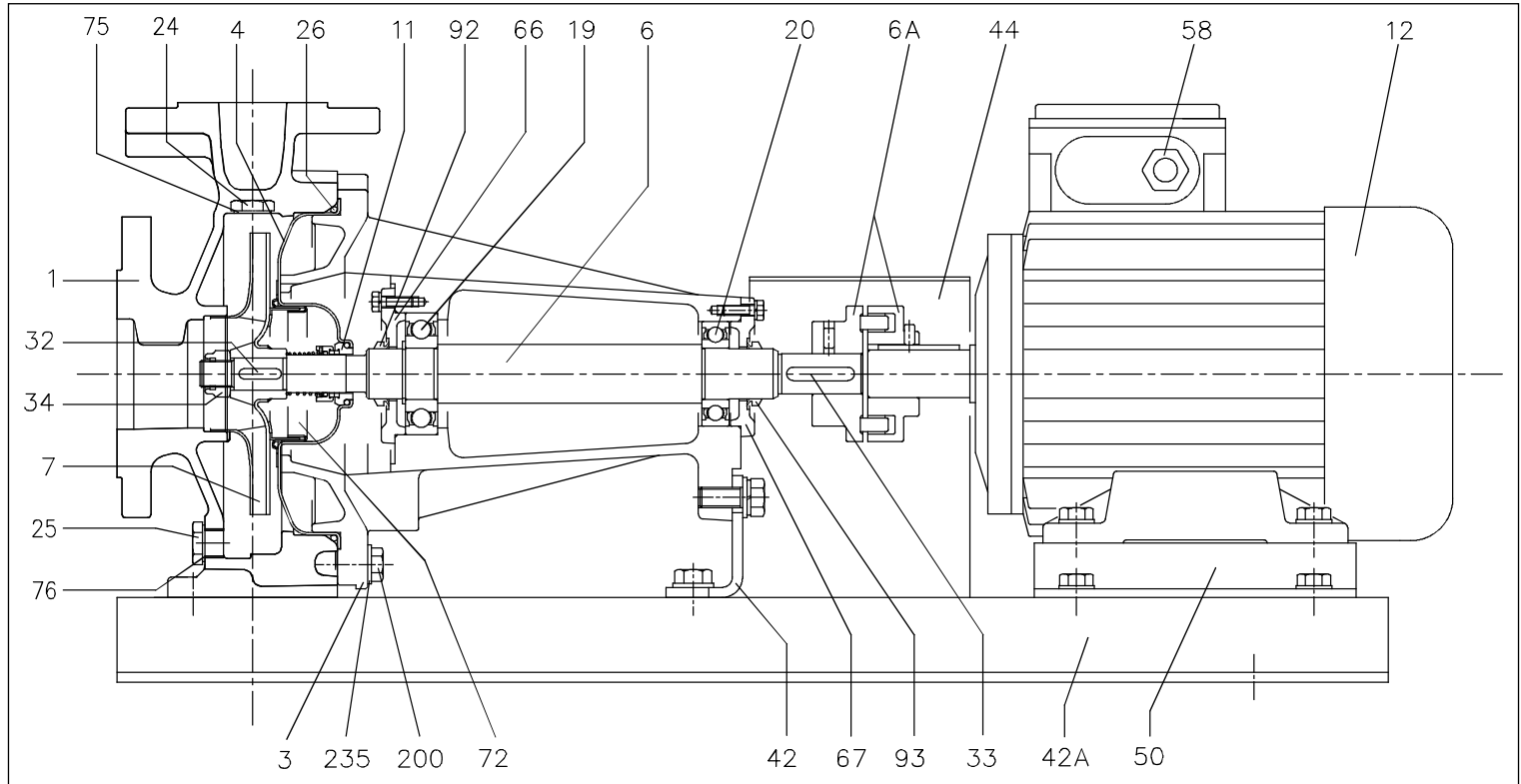
[5]= Only for SERIES 3D models 32-125/1.1, 32-160/1.5, 32-160/2.2, 40-125/1.5, 40-125/2.2, 50-125/2.2

## 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**SECTIONAL VIEW 3DP 32, 40, 50, 65 SERIES**

**2 Poles**



**MATERIALS TABLE**

| Rif. | Name                                               | Material                             |
|------|----------------------------------------------------|--------------------------------------|
| 001  | Pump body                                          | Cast iron EN-GJL-250-EN 1561         |
| 003  | Motor support                                      | Cast iron EN-GJL-250-EN 1561         |
| 004  | Seal housing disc                                  | EN 1.4301 (AISI 304)                 |
| 006  | Rotor shaft (part coming into contact with liquid) | EN 1.4301 (AISI 304)                 |
| 006A | Flexible joint                                     | Cast iron EN-GJL-250-EN 1561         |
| 007  | Impeller                                           | [1]                                  |
| 011  | Mechanical seal                                    | Ceramic/Carbon/NBR                   |
| 012  | Motor                                              | -                                    |
| 019  | Bearing                                            | -                                    |
| 020  | Bearing                                            | -                                    |
| 024  | Filler plug                                        | Brass                                |
| 025  | Discharge plug                                     | Brass                                |
| 026  | O-ring                                             | NBR [2]                              |
| 032  | Key                                                | EN 1.4401 (AISI 316)                 |
| 033  | Key                                                | C 40                                 |
| 034  | Impeller nut                                       | EN 1.4301 (AISI 304)                 |
| 042  | Pump support                                       | Fe 37 Galvanised                     |
| 042A | Base                                               | Fe 37 Galvanised                     |
| 044  | Support protection                                 | Fe 37 Galvanised                     |
| 050  | Foot                                               | Aluminium / Galvanised steel         |
| 058  | Cable gland                                        | -                                    |
| 066  | Bearing cover (impeller side)                      | Cast iron EN-GJL-250-EN 1561         |
| 067  | Bearing cover (motor side)                         | Cast iron EN-GJL-250-EN 1561         |
| 072  | Wear ring [3]                                      | EN 1.4301 (AISI 304)                 |
| 075  | Washer                                             | Aluminium                            |
| 076  | Washer                                             | Aluminium                            |
| 092  | V-ring                                             | -                                    |
| 093  | V-ring                                             | -                                    |
| 200  | Screw                                              | Galvanised steel 8.8 class ISO 898-1 |
| 235  | Washer                                             | Galvanised steel                     |

[1]= EN 1.4301 (AISI 304) for SERIES 3D 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3D 65

[2]= FPM for versions H, HS, HW, HSW; EPDM for version E

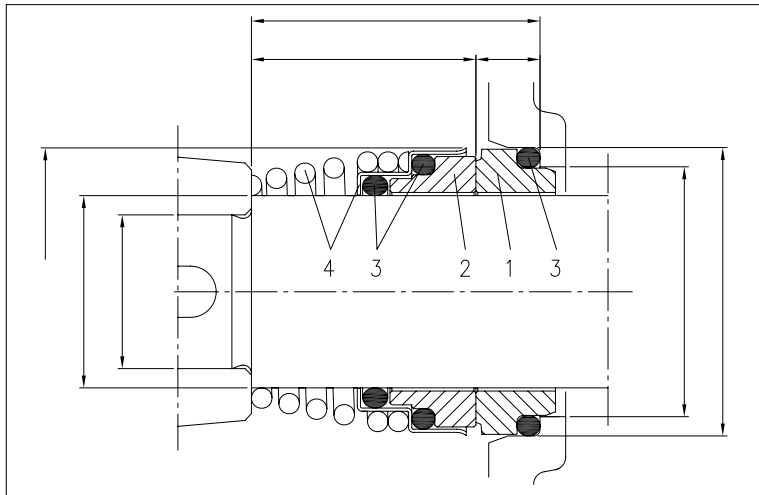
[3]= Only for SERIES 3D models 32-200, 40-200, 50-160, 50-200

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## 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

## MECHANICAL SEAL standard version



## MATERIALS TABLE

| Rif. | Name           | Material             |
|------|----------------|----------------------|
| 1    | Fixed part     | Carbon               |
| 2    | Rotary part    | Ceramic              |
| 3    | Seal           | NBR                  |
| 4    | Frame + spring | EN 1.4401 (AISI 316) |

**SPECIAL MECHANICAL SEALS (on request)**

| Rif. | Name           | Version H            | Version HS             | Material<br>Version HW | Version HSW          | Version E            |
|------|----------------|----------------------|------------------------|------------------------|----------------------|----------------------|
| 1    | Fixed part     | Carbon               | SiC                    | Tungsten carbide       | Tungsten carbide     | Carbon               |
| 2    | Rotary part    | Ceramic              | SiC                    | Tungsten carbide       | SiC                  | Ceramic              |
| 3    | Seal           | FPM                  | FPM                    | FPM                    | FPM                  | EPDM                 |
| 4    | Frame + spring | EN 1.4401 (AISI 316) | EN 1.4571 (AISI 316Ti) | EN 1.4401 (AISI 316)   | EN 1.4401 (AISI 316) | EN 1.4401 (AISI 316) |



# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

ELECTRIC DATA TABLE 3D SERIES

2 Poles

| Single-phase<br>230V | Model<br>Three-phase<br>230/400/690V | P <sub>2</sub> |      | Motor efficiency |             | Capacitor          |     | Efficiency (%) |      |      | Absorbed Current<br>[A] |      |      |      |
|----------------------|--------------------------------------|----------------|------|------------------|-------------|--------------------|-----|----------------|------|------|-------------------------|------|------|------|
|                      |                                      | [HP]           | [kW] | Single-phase     | Three-phase | Single-phase<br>µF | V.  | Three-phase    |      |      | Single-phase<br>230V    | 230V | 400V | 690V |
|                      |                                      |                |      |                  |             |                    |     | 50%            | 75%  | 100% |                         |      |      |      |
| 3D 32-125/1.1 M      | 3D 32-125/1.1                        | 1,5            | 1,1  | -                | IE2         | 31,5               | 450 | 79,5           | 82,0 | 82,5 | 6,7                     | 5,6  | 3,2  | -    |
| 3D 32-160/1.5 M      | 3D 32-160/1.5                        | 2              | 1,5  | -                | IE2         | 40                 | 450 | 79,5           | 82,0 | 82,5 | 9,6                     | 5,6  | 3,2  | -    |
| 3D 32-160/2.2 M      | 3D 32-160/2.2                        | 3              | 2,2  | -                | IE2         | 50                 | 450 | 83,1           | 85,7 | 86,2 | 13,3                    | 7,8  | 4,5  | -    |
| -                    | 3D 32-200/3.0                        | 4              | 3    | -                | IE2         | -                  | -   | 85,0           | 86,7 | 86,3 | -                       | 10,6 | 6,1  | -    |
| -                    | 3D 32-200/4.0                        | 5,5            | 4    | -                | IE2         | -                  | -   | 84,3           | 87,2 | 87,8 | -                       | 15,1 | 8,7  | -    |
| -                    | 3D 32-200/7.5                        | 10             | 7,5  | -                | IE3         | -                  | -   | 89,0           | 90,7 | 90,8 | -                       | -    | 13,6 | 7,9  |
| 3D 40-125/1.5 M      | 3D 40-125/1.5                        | 2              | 1,5  | -                | IE2         | 40                 | 450 | 79,5           | 82,0 | 82,5 | 9,6                     | 5,6  | 3,2  | -    |
| 3D 40-125/2.2 M      | 3D 40-125/2.2                        | 3              | 2,2  | -                | IE2         | 50                 | 450 | 83,1           | 85,7 | 86,2 | 13,3                    | 7,8  | 4,5  | -    |
| -                    | 3D 40-160/3.0                        | 4              | 3    | -                | IE2         | -                  | -   | 85,0           | 86,7 | 86,3 | -                       | 10,6 | 6,1  | -    |
| -                    | 3D 40-160/4.0                        | 5,5            | 4    | -                | IE2         | -                  | -   | 84,3           | 87,2 | 87,8 | -                       | 15,1 | 8,7  | -    |
| -                    | 3D 40-200/5.5                        | 7,5            | 5,5  | -                | IE2         | -                  | -   | 82,9           | 86,0 | 87,4 | -                       | -    | 10,4 | 6,0  |
| -                    | 3D 40-200/7.5                        | 10             | 7,5  | -                | IE3         | -                  | -   | 89,0           | 90,7 | 90,8 | -                       | -    | 13,6 | 7,9  |
| -                    | 3D 40-200/11                         | 15             | 11   | -                | IE3         | -                  | -   | 90,4           | 91,2 | 91,8 | -                       | -    | 21,3 | 12,3 |
| 3D 50-125/2.2 M      | 3D 50-125/2.2                        | 3              | 2,2  | -                | IE2         | 50                 | 450 | 83,1           | 85,7 | 86,2 | 13,3                    | 7,8  | 4,5  | -    |
| -                    | 3D 50-125/3.0                        | 4              | 3    | -                | IE2         | -                  | -   | 85,0           | 86,7 | 86,3 | -                       | 10,6 | 6,1  | -    |
| -                    | 3D 50-125/4.0                        | 5,5            | 4    | -                | IE2         | -                  | -   | 84,3           | 87,2 | 87,8 | -                       | 15,1 | 8,7  | -    |
| -                    | 3D 50-160/5.5                        | 7,5            | 5,5  | -                | IE2         | -                  | -   | 82,9           | 86,0 | 87,4 | -                       | -    | 10,4 | 6,0  |
| -                    | 3D 50-160/7.5                        | 10             | 7,5  | -                | IE3         | -                  | -   | 89,0           | 90,7 | 90,8 | -                       | -    | 13,6 | 7,9  |
| -                    | 3D 50-200/9.2                        | 12,5           | 9,2  | -                | IE3         | -                  | -   | 90,1           | 90,8 | 90,9 | -                       | -    | 17,2 | 10,0 |
| -                    | 3D 50-200/11                         | 15             | 11   | -                | IE3         | -                  | -   | 90,4           | 91,2 | 91,8 | -                       | -    | 21,3 | 12,3 |
| -                    | 3D 50-200/15                         | 20             | 15   | -                | IE3         | -                  | -   | 91,2           | 92,0 | 91,9 | -                       | -    | 27,7 | 17,3 |
| -                    | 3D 65-125/4.0                        | 5,5            | 4    | -                | IE2         | -                  | -   | 84,3           | 87,2 | 87,8 | -                       | 15,1 | 8,7  | -    |
| -                    | 3D 65-125/5.5                        | 7,5            | 5,5  | -                | IE2         | -                  | -   | 82,9           | 86,0 | 87,4 | -                       | -    | 10,4 | 6,0  |
| -                    | 3D 65-125/7.5                        | 10             | 7,5  | -                | IE3         | -                  | -   | 89,0           | 90,7 | 90,8 | -                       | -    | 13,6 | 7,9  |
| -                    | 3D 65-160/7.5                        | 10             | 7,5  | -                | IE3         | -                  | -   | 89,0           | 90,7 | 90,8 | -                       | -    | 13,6 | 7,9  |
| -                    | 3D 65-160/9.2                        | 12,5           | 9,2  | -                | IE3         | -                  | -   | 90,1           | 90,8 | 90,9 | -                       | -    | 17,2 | 10,0 |
| -                    | 3D 65-160/11                         | 15             | 11   | -                | IE3         | -                  | -   | 90,4           | 91,2 | 91,8 | -                       | -    | 21,3 | 12,3 |
| -                    | 3D 65-160/15                         | 20             | 15   | -                | IE3         | -                  | -   | 91,2           | 92,0 | 91,9 | -                       | -    | 27,7 | 17,3 |
| -                    | 3D 65-200/15                         | 20             | 15   | -                | IE3         | -                  | -   | 91,2           | 92,0 | 91,9 | -                       | -    | 27,7 | 17,3 |
| -                    | 3D 65-200/18.5                       | 25             | 18,5 | -                | IE3         | -                  | -   | 91,6           | 93,0 | 92,6 | -                       | -    | 35,0 | 20,3 |
| -                    | 3D 65-200/22                         | 30             | 22   | -                | IE3         | -                  | -   | 92,0           | 93,1 | 93,2 | -                       | -    | 39,7 | 23,6 |

# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

ELECTRIC DATA TABLE 3DS - 3DP SERIES

2 Poles

| SERIE 3DS<br>Three-phase<br>230/400/690V | Model<br><br>SERIE 3DP<br>Three-phase<br>230/400/690V | Motor<br>Size | P <sub>2</sub> |      | Motor<br>efficiency | Efficiency (%)<br>Three-phase |            |      | Absorbed Current<br>[A] |      |      |
|------------------------------------------|-------------------------------------------------------|---------------|----------------|------|---------------------|-------------------------------|------------|------|-------------------------|------|------|
|                                          |                                                       |               | [HP]           | [kW] |                     | 50%                           | η %<br>75% | 100% | Three-phase             |      |      |
|                                          |                                                       |               |                |      |                     |                               |            |      | 230V                    | 400V | 690V |
| 3DS 32-125/1.1                           | 3DP 32-125/1.1                                        | 80            | 1,5            | 1,1  | IE2                 | 79.5                          | 81.2       | 81.5 | 4.3                     | 2.5  | -    |
|                                          |                                                       |               |                |      | IE3                 | 78.7                          | 81.7       | 82.7 | 4.2                     | 2.4  | -    |
| 3DS 32-160/1.5                           | 3DP 32-160/1.5                                        | 90S           | 2              | 1,5  | IE2                 | 81,0                          | 82.8       | 82.8 | 5.5                     | 3.2  | -    |
|                                          |                                                       |               |                |      | IE3                 | 83.2                          | 84.8       | 84.2 | 5.2                     | 3.0  | -    |
| 3DS 32-160/2.2                           | 3DP 32-160/2.2                                        | 90L           | 3              | 2,2  | IE2                 | 82.5                          | 84.0       | 84.0 | 7.6                     | 4.4  | -    |
|                                          |                                                       |               |                |      | IE3                 | 85.0                          | 86.2       | 86.5 | 8.0                     | 4.6  | -    |
| 3DS 32-200/3.0                           | 3DP 32-200/3.0                                        | 100L          | 4              | 3    | IE2                 | 84.1                          | 85.8       | 85.5 | 10.2                    | 5.9  | -    |
|                                          |                                                       |               |                |      | IE3                 | 82.3                          | 85.8       | 87.1 | 9.7                     | 5.6  | -    |
| 3DS 32-200/4.0                           | 3DP 32-200/4.0                                        | 112M          | 5,5            | 4    | IE2                 | 85.2                          | 86.4       | 86.1 | 13.5                    | 7.8  | -    |
|                                          |                                                       |               |                |      | IE3                 | 86.8                          | 87.8       | 88.1 | 12.1                    | 7.0  | -    |
| 3DS 32-200/7.5                           | 3DP 32-200/7.5                                        | 132S          | 10             | 7.5  | IE3                 | 88.6                          | 89.2       | 90.1 | -                       | 13.1 | 7.6  |
| 3DS 40-125/1.5                           | 3DP 40-125/1.5                                        | 90S           | 2              | 1,5  | IE2                 | 81.0                          | 82.8       | 82.8 | 5.5                     | 3.2  | -    |
|                                          |                                                       |               |                |      | IE3                 | 83.2                          | 84.8       | 84.2 | 5.2                     | 3.0  | -    |
| 3DS 40-125/2.2                           | 3DP 40-125/2.2                                        | 90L           | 3              | 2,2  | IE2                 | 82.5                          | 84.0       | 84.0 | 7.6                     | 4.4  | -    |
|                                          |                                                       |               |                |      | IE3                 | 85.0                          | 86.2       | 86.5 | 8.0                     | 4.6  | -    |
| 3DS 40-160/3.0                           | 3DP 40-160/3.0                                        | 100L          | 4              | 3    | IE2                 | 84.1                          | 85.8       | 85.5 | 10.2                    | 5.9  | -    |
|                                          |                                                       |               |                |      | IE3                 | 82.3                          | 85.8       | 87.1 | 9.7                     | 5.6  | -    |
| 3DS 40-160/4.0                           | 3DP 40-160/4.0                                        | 112M          | 5,5            | 4    | IE2                 | 85.2                          | 86.4       | 86.1 | 13.5                    | 7.8  | -    |
|                                          |                                                       |               |                |      | IE3                 | 86.8                          | 87.8       | 88.1 | 12.1                    | 7.0  | -    |
| 3DS 40-200/5.5                           | 3DP 40-200/5.5                                        | 132S          | 7,5            | 5,5  | IE2                 | 85.8                          | 87.4       | 87.3 | -                       | 10.4 | 6.0  |
|                                          |                                                       |               |                |      | IE3                 | 88.0                          | 88.5       | 89.2 | -                       | 10.0 | 5.8  |
| 3DS 40-200/7.5                           | 3DP 40-200/7.5                                        |               | 1,0            | 7,5  | IE3                 | 88.6                          | 89.2       | 90.1 | -                       | 13.1 | 7.6  |
| 3DS 40-200/11                            | 3DP 40-200/11                                         | 160M          | 1,5            | 11   | IE3                 | 87.4                          | 89.8       | 91.2 | -                       | 19.7 | 11.4 |
| 3DS 50-125/2.2                           | 3DP 50-125/2.2                                        | 90L           | 3              | 2,2  | IE2                 | 82.5                          | 84.0       | 84.0 | 7.6                     | 4.4  | -    |
|                                          |                                                       |               |                |      | IE3                 | 85.0                          | 86.2       | 86.5 | 8.0                     | 4.6  | -    |
| 3DS 50-125/3.0                           | 3DP 50-125/3.0                                        | 100L          | 4              | 3    | IE2                 | 84.1                          | 85.8       | 85.5 | 10.2                    | 5.9  | -    |
|                                          |                                                       |               |                |      | IE3                 | 82.3                          | 85.8       | 87.1 | 9.7                     | 5.6  | -    |
| 3DS 50-125/4.0                           | 3DP 50-125/4.0                                        | 112M          | 5,5            | 4    | IE2                 | 85.2                          | 86.4       | 86.1 | 13.5                    | 7.8  | -    |
|                                          |                                                       |               |                |      | IE3                 | 86.8                          | 87.8       | 88.1 | 12.1                    | 7.0  | -    |
| 3DS 50-160/5.5                           | 3DP 50-160/5.5                                        | 132S          | 7,5            | 5,5  | IE2                 | 85.8                          | 87.4       | 87.3 | -                       | 10.4 | 6.0  |
|                                          |                                                       |               |                |      | IE3                 | 88.0                          | 88.5       | 89.2 | -                       | 10.0 | 5.8  |
| 3DS 50-160/7.5                           | 3DP 50-160/7.5                                        |               | 1,0            | 7,5  | IE3                 | 88.6                          | 89.2       | 90.1 | -                       | 13.1 | 7.6  |
| 3DS 50-200/9.2                           | 3DP 50-200/9.2                                        | 132M          | 12,5           | 9,2  | IE3                 | 88.6                          | 89.8       | 90.7 | -                       | 16.5 | 9.5  |
| 3DS 50-200/11                            | 3DP 50-200/11                                         | 160M          | 15             | 11   | IE3                 | 87.4                          | 89.8       | 91.2 | -                       | 19.7 | 11.4 |
| 3DS 50-200/15                            | 3DP 50-200/15                                         |               | 20             | 15   | IE3                 | 91.0                          | 91.3       | 91.9 | -                       | 26.7 | 15.4 |
| 3DS 65-125/4                             | 3DP 65-125/4                                          | 112M          | 5,5            | 4    | IE2                 | 85.2                          | 86.4       | 86.1 | 13.5                    | 7.8  | -    |
|                                          |                                                       |               |                |      | IE3                 | 86.8                          | 87.8       | 88.1 | 12.1                    | 7.0  | -    |
| 3DS 65-125/5.5                           | 3DP 65-125/5.5                                        | 132S          | 7,5            | 5,5  | IE2                 | 85.8                          | 87.4       | 87.3 | -                       | 10.4 | 6.0  |
|                                          |                                                       |               |                |      | IE3                 | 88.0                          | 88.5       | 89.2 | -                       | 10.0 | 5.8  |
| 3DS 65-125/7.5                           | 3DP 65-125/7.5                                        |               | 10             | 7,5  | IE3                 | 88.6                          | 89.2       | 90.1 | -                       | 13.1 | 7.6  |
| 3DS 65-160/7.5                           | 3DP 65-160/7.5                                        |               |                |      | IE3                 | 88.6                          | 89.2       | 90.1 | -                       | 13.1 | 7.6  |
| 3DS 65-160/9.2                           | 3DP 65-160/9.2                                        | 132M          | 12,5           | 9,2  | IE3                 | 88.6                          | 89.8       | 90.7 | -                       | 16.5 | 9.5  |
| 3DS 65-160/11                            | 3DP 65-160/11                                         | 160M          | 15             | 11   | IE3                 | 87.4                          | 89.8       | 91.2 | -                       | 19.7 | 11.4 |
| 3DS 65-160/15                            | 3DP 65-160/15                                         |               | 20             | 15   | IE3                 | 91.0                          | 91.3       | 91.9 | -                       | 26.7 | 15.4 |
| 3DS 65-200/15                            | 3DP 65-200/15                                         |               | 20             | 15   | IE3                 | 91.0                          | 91.3       | 91.9 | -                       | 26.7 | 15.4 |
| 3DS 65-200/18.5                          | 3DP 65-200/18.5                                       | 160L          | 25             | 18,5 | IE3                 | 91.6                          | 92.8       | 92.4 | -                       | 33.0 | 19.1 |
| 3DS 65-200/22                            | 3DP 65-200/22                                         | 180M          | 30             | 22   | IE3                 | 92.3                          | 92.9       | 92.9 | -                       | 38.0 | 22.0 |

# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

NOISE DATA TABLE 3D SERIES

2 Poles

| Model             | P <sub>2</sub> |      | L <sub>pa</sub> - dB(A)* |
|-------------------|----------------|------|--------------------------|
|                   | [HP]           | [kW] |                          |
| 3D 32-125/1.1 (M) | 1,5            | 1,1  | 69                       |
| 3D 32-160/1.5 (M) | 2              | 1,5  |                          |
| 3D 32-160/2.2 (M) | 3              | 2,2  |                          |
| 3D 32-200/3.0     | 4              | 3    | 76                       |
| 3D 32-200/4.0     | 5,5            | 4    |                          |
| 3D 32-200/7.5     | 10             | 7,5  | 79                       |
| 3D 40-125/1.5 (M) | 2              | 1,5  | 69                       |
| 3D 40-125/2.2 (M) | 3              | 2,2  |                          |
| 3D 40-160/3.0     | 4              | 3    | 76                       |
| 3D 40-160/4.0     | 5,5            | 4    |                          |
| 3D 40-200/5.5     | 7,5            | 5,5  | 79                       |
| 3D 40-200/7.5     | 10             | 7,5  |                          |
| 3D 40-200/11      | 15             | 11   | 82                       |
| 3D 50-125/2.2 (M) | 3              | 2,2  | 69                       |
| 3D 50-125/3.0     | 4              | 3    | 76                       |
| 3D 50-125/4.0     | 5,5            | 4    |                          |
| 3D 50-160/5.5     | 7,5            | 5,5  | 79                       |
| 3D 50-160/7.5     | 10             | 7,5  |                          |
| 3D 50-200/9.2     | 12,5           | 9,2  | 82                       |
| 3D 50-200/11      | 15             | 11   |                          |
| 3D 50-200/15      | 20             | 15   | 86                       |
| 3D 65-125/4.0     | 5,5            | 4    | 76                       |
| 3D 65-125/5.5     | 7,5            | 5,5  | 79                       |
| 3D 65-125/7.5     | 10             | 7,5  |                          |
| 3D 65-160/7.5     | 10             | 7,5  | 82                       |
| 3D 65-160/9.2     | 12,5           | 9,2  |                          |
| 3D 65-160/11      | 15             | 11   | 86                       |
| 3D 65-160/15      | 20             | 15   |                          |
| 3D 65-200/15      | 20             | 15   |                          |
| 3D 65-200/18.5    | 25             | 18,5 |                          |
| 3D 65-200/22      | 30             | 22   |                          |

\* Mean value of several measures at 1m distance around the pump.  
Tolerance ± 2.5 dB.

NOISE DATA TABLE 3DS - 3DP SERIES

2 Poles

| Model           |                 | P <sub>2</sub> |      | L <sub>pa</sub> - dB(A)* |
|-----------------|-----------------|----------------|------|--------------------------|
| 3DS             | 3DP             | [HP]           | [kW] |                          |
| 3DS 32-125/1.1  | 3DP 32-125/1.1  | 1,5            | 1,1  | <70                      |
| 3DS 32-160/1.5  | 3DP 32-160/1.5  | 2              | 1,5  |                          |
| 3DS 32-160/2.2  | 3DP 32-160/2.2  | 3              | 2,2  |                          |
| 3DS 32-200/3.0  | 3DP 32-200/3.0  | 4              | 3    | 73                       |
| 3DS 32-200/4.0  | 3DP 32-200/4.0  | 5,5            | 4    |                          |
| 3DS 32-200/7.5  | 3DP 32-200/7.5  | 10             | 7,5  | 77                       |
| 3DS 40-125/1.5  | 3DP 40-125/1.5  | 2              | 1,5  | <70                      |
| 3DS 40-125/2.2  | 3DP 40-125/2.2  | 3              | 2,2  |                          |
| 3DS 40-160/3.0  | 3DP 40-160/3.0  | 4              | 3    | 73                       |
| 3DS 40-160/4.0  | 3DP 40-160/4.0  | 5,5            | 4    |                          |
| 3DS 40-200/5.5  | 3DP 40-200/5.5  | 7,5            | 5,5  | 77                       |
| 3DS 40-200/7.5  | 3DP 40-200/7.5  | 10             | 7,5  |                          |
| 3DS 40-200/11   | 3DP 40-200/11   | 15             | 11   | 79                       |
| 3DS 50-125/2.2  | 3DP 50-125/2.2  | 3              | 2,2  | <70                      |
| 3DS 50-125/3.0  | 3DP 50-125/3.0  | 4              | 3    |                          |
| 3DS 50-125/4.0  | 3DP 50-125/4.0  | 5,5            | 4    | 73                       |
| 3DS 50-160/5.5  | 3DP 50-160/5.5  | 7,5            | 5,5  |                          |
| 3DS 50-160/7.5  | 3DP 50-160/7.5  | 10             | 7,5  | 77                       |
| 3DS 50-200/9.2  | 3DP 50-200/9.2  | 12,5           | 9,2  |                          |
| 3DS 50-200/11   | 3DP 50-200/11   | 15             | 11   | 79                       |
| 3DS 50-200/15   | 3DP 50-200/15   | 20             | 15   |                          |
| 3DS 65-125/4.0  | 3DP 65-125/4.0  | 5,5            | 4    | 73                       |
| 3DS 65-125/5.5  | 3DP 65-125/5.5  | 7,5            | 5,5  | 77                       |
| 3DS 65-125/7.5  | 3DP 65-125/7.5  | 10             | 7,5  |                          |
| 3DS 65-160/7.5  | 3DP 65-160/7.5  | 10             | 7,5  |                          |
| 3DS 65-160/9.2  | 3DP 65-160/9.2  | 12,5           | 9,2  | 79                       |
| 3DS 65-160/11   | 3DP 65-160/11   | 15             | 11   |                          |
| 3DS 65-160/15   | 3DP 65-160/15   | 20             | 15   |                          |
| 3DS 65-200/15   | 3DP 65-200/15   | 20             | 15   |                          |
| 3DS 65-200/18.5 | 3DP 65-200/18.5 | 25             | 18,5 |                          |
| 3DS 65-200/22   | 3DP 65-200/22   | 30             | 22   | 80                       |

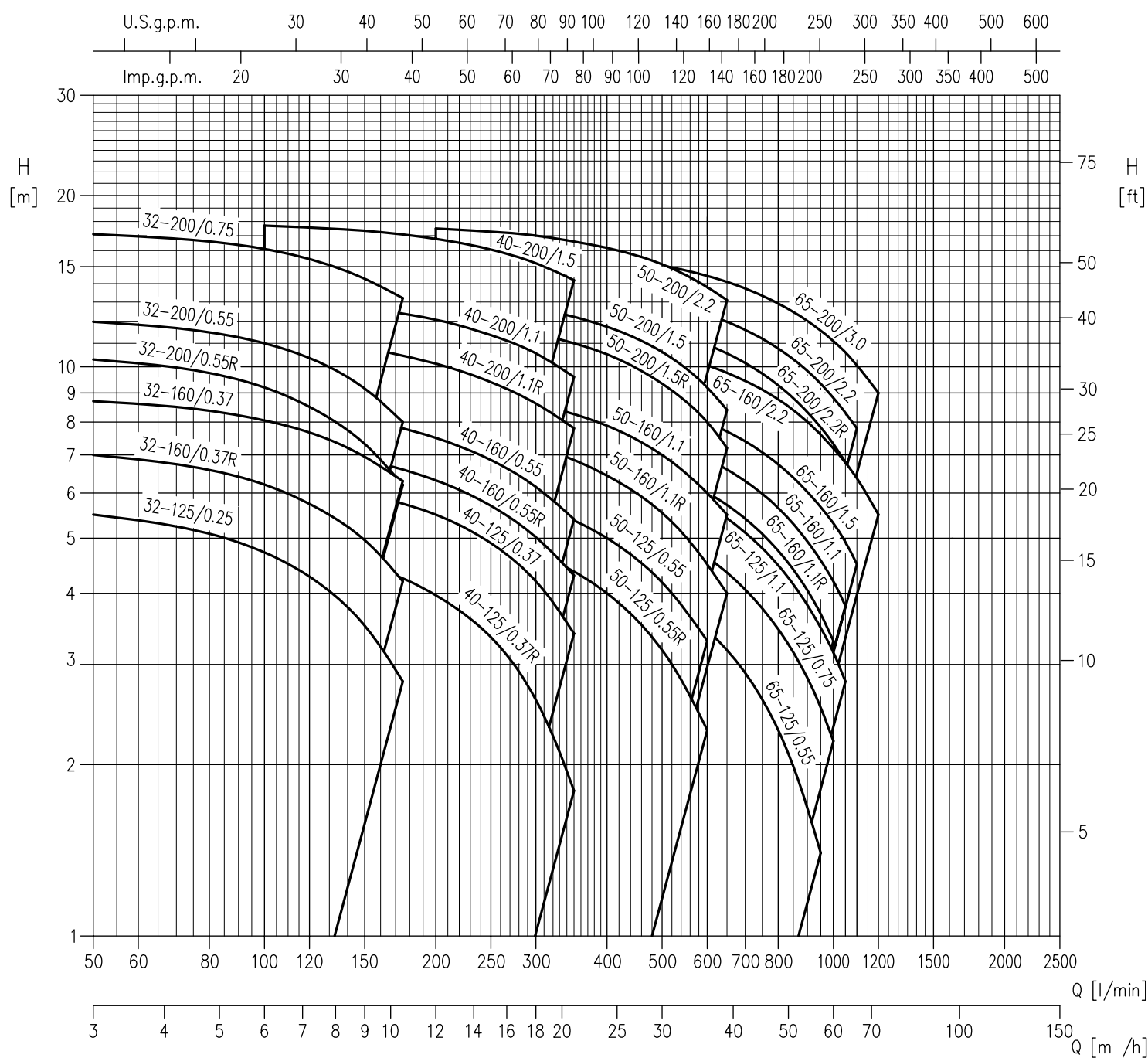
\* Mean value of several measures at 1m distance around the pump.  
Tolerance ± 2.5 dB.

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE RANGE** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**



# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**3D SERIES(.)4 32 PERFORMANCE TABLE**

**4 Poles**

| Model               | P <sub>2</sub> |      | Q=Flow rate   |            |          |          |             |
|---------------------|----------------|------|---------------|------------|----------|----------|-------------|
|                     | [HP]           | [kW] | l/min<br>m³/h | 50<br>3    | 100<br>6 | 150<br>9 | 175<br>10,5 |
|                     |                |      |               | H=Head [m] |          |          |             |
| 3D(.)4 32-125/0.25  | 0,33           | 0,25 |               | 5,5        | 4,7      | 3,5      | 2,8         |
| 3D(.)4 32-125/0.37R | 0,5            | 0,37 |               | 7,0        | 6,2      | 5,0      | 4,2         |
| 3D(.)4 32-125/0.37  | 0,5            | 0,37 |               | 8,7        | 8,1      | 7,0      | 6,3         |
| 3D(.)4 32-125/0.55R | 0,75           | 0,55 |               | 10,3       | 9,2      | 7,3      | 6,2         |
| 3D(.)4 32-125/0.55  | 0,75           | 0,55 |               | 12,0       | 11,0     | 9,2      | 8,0         |
| 3D(.)4 32-125/0.75  | 1              | 0,75 |               | 17,1       | 16,1     | 14,3     | 13,2        |

**3D SERIES(.)4 40 PERFORMANCE TABLE**

**4 Poles**

| Model               | P <sub>2</sub> |      | Q=Flow rate |      |      |      |      |      |      |     |
|---------------------|----------------|------|-------------|------|------|------|------|------|------|-----|
|                     | [HP]           | [kW] | l/min       | 100  | 150  | 175  | 200  | 250  | 300  | 350 |
|                     |                |      | m³/h        | 6    | 9    | 10,5 | 12   | 15   | 18   | 21  |
|                     |                |      | H=Head [m]  |      |      |      |      |      |      |     |
| 3D(.)4 40-125/0.37R | 0,5            | 0,37 | 4,8         | 4,5  | 4,3  | 4,0  | 3,4  | 2,6  | 1,8  |     |
| 3D(.)4 40-125/0.37  | 0,5            | 0,37 | 6,3         | 6,0  | 5,8  | 5,5  | 4,9  | 4,2  | 3,4  |     |
| 3D(.)4 40-160/0.55R | 0,75           | 0,55 | 7,3         | 6,9  | 6,6  | 6,3  | 5,7  | 5,0  | 4,3  |     |
| 3D(.)4 40-160/0.55  | 0,75           | 0,55 | 8,6         | 8,1  | 7,8  | 7,5  | 6,9  | 6,2  | 5,4  |     |
| 3D(.)4 40-200/1.1R  | 1,5            | 1,1  | 11,2        | 10,8 | 10,5 | 10,1 | 9,4  | 8,6  | 7,8  |     |
| 3D(.)4 40-200/1.1   | 1,5            | 1,1  | 13,2        | 12,7 | 12,4 | 12,1 | 11,4 | 10,6 | 9,6  |     |
| 3D(.)4 40-200/1.5   | 2              | 1,5  | 17,7        | 17,3 | 17,1 | 16,8 | 16,1 | 15,2 | 14,2 |     |

**3D SERIES(.)4 50 PERFORMANCE TABLE**

**4 Poles**

| Model             | P:   |      | Q=Flow rate |      |      |      |      |      |      |      |     |
|-------------------|------|------|-------------|------|------|------|------|------|------|------|-----|
|                   | [HP] | [kW] | l/min       | 200  | 250  | 300  | 350  | 400  | 500  | 600  | 650 |
|                   |      |      | m³/h        | 12   | 15   | 18   | 21   | 24   | 30   | 36   | 39  |
|                   |      |      | H=Head [m]  |      |      |      |      |      |      |      |     |
| 3D(¼ 50-125/0.55R | 0,75 | 0,55 | 5,2         | 5,0  | 4,7  | 4,4  | 4,0  | 3,2  | 2,3  | -    |     |
| 3D(¼ 50-125/0.55  | 0,75 | 0,55 | 6,2         | 6,0  | 5,7  | 5,4  | 5,0  | 4,2  | 3,3  | -    |     |
| 3D(¼ 50-160/1.1R  | 1,5  | 1,1  | 7,8         | 7,6  | 7,2  | 6,9  | 6,4  | 5,5  | 4,5  | 4,0  |     |
| 3D(¼ 50-160/1.1   | 1,5  | 1,1  | 9,1         | 8,9  | 8,6  | 8,3  | 7,9  | 7,0  | 6,0  | 5,5  |     |
| 3D(¼ 50-200/1.5R  | 2    | 1,5  | 12,1        | 11,8 | 11,4 | 11,0 | 10,5 | 9,3  | 8,0  | 7,2  |     |
| 3D(¼ 50-200/0.1.5 | 2    | 1,5  | 13,3        | 13,0 | 12,7 | 12,2 | 11,8 | 10,6 | 9,2  | 8,4  |     |
| 3D(¼ 50-200/2.2   | 3    | 2.2  | 17.5        | 17.3 | 17.0 | 16.6 | 16.2 | 15.1 | 13.8 | 13.1 |     |

**3D SERIES(.)4 65 PERFORMANCE TABLE**

**4 Poles**

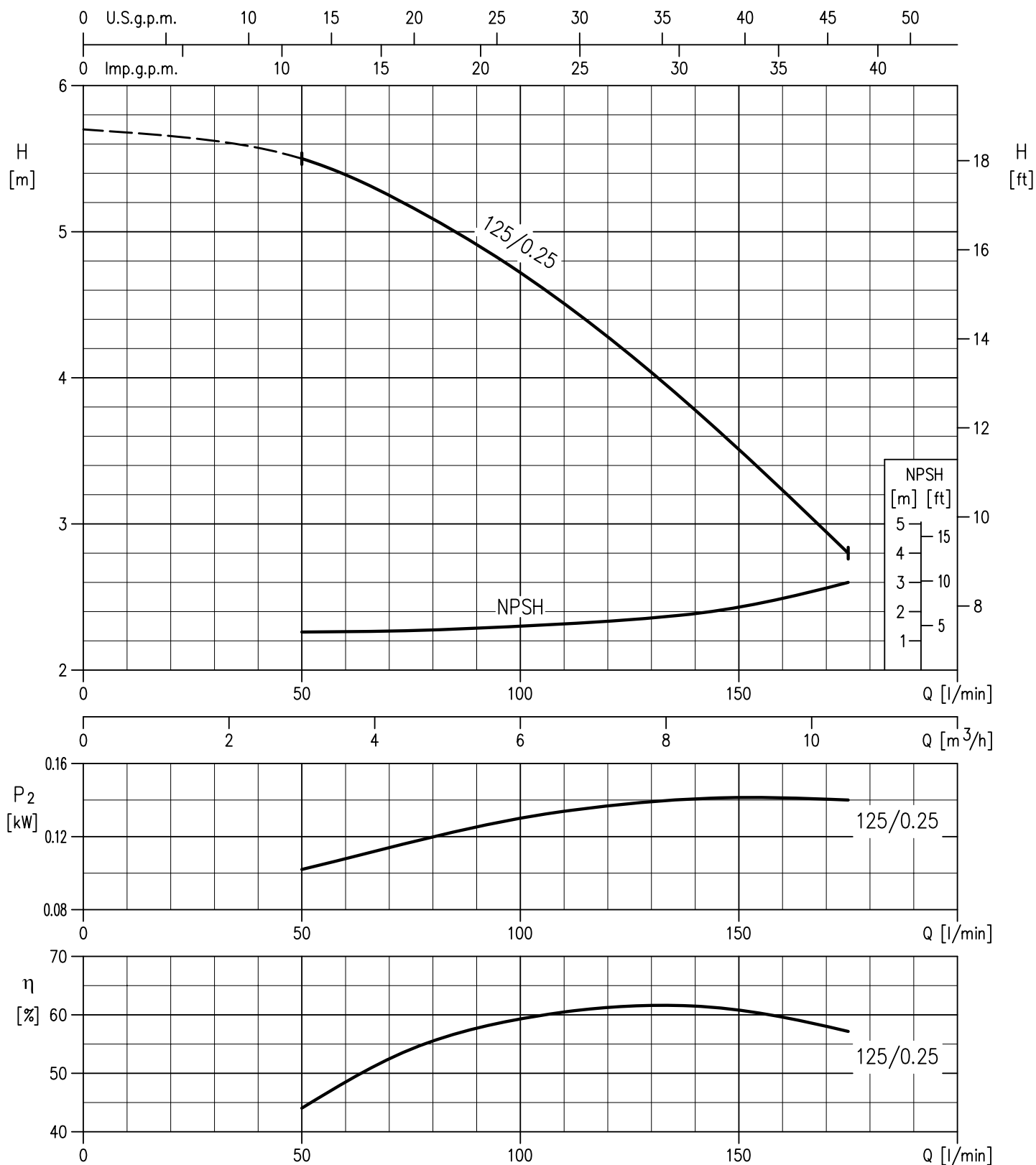
| Model              | P:   |      | Q=Flow rate |      |      |      |      |      |      |      |      |      |      |
|--------------------|------|------|-------------|------|------|------|------|------|------|------|------|------|------|
|                    | [HP] | [kW] | l/min       | 300  | 350  | 500  | 600  | 800  | 950  | 1000 | 1050 | 1100 | 1200 |
|                    |      |      | m³/h        | 18   | 21   | 30   | 36   | 48   | 57   | 60   | 63   | 66   | 72   |
|                    |      |      | H=Head [m]  |      |      |      |      |      |      |      |      |      |      |
| 3D(.)4 65-125/0.55 | 0,75 | 0,55 | 4,8         | 4,6  | 4,0  | 3,5  | 2,3  | 1,4  | -    | -    | -    | -    |      |
| 3D(.)4 65-125/0.75 | 1    | 0,75 | 6,0         | 5,8  | 5,2  | 4,6  | 3,5  | 2,5  | 2,2  | -    | -    | -    |      |
| 3D(.)4 65-125/1.1  | 1,50 | 1,10 | 7,2         | 7,0  | 6,3  | 5,7  | 4,5  | 3,5  | 3,2  | 2,8  | -    | -    |      |
| 3D(.)4 65-160/1.1  | 1,50 | 1,10 | -           | 8,1  | 7,4  | 6,9  | 5,7  | 4,6  | 4,2  | 3,8  | -    | -    |      |
| 3D(.)4 65-160/1.5  | 2    | 1,50 | -           | 9,2  | 8,5  | 8,0  | 6,7  | 5,7  | 5,3  | 4,9  | 4,5  | -    |      |
| 3D(.)4 65-160/2.2  | 3    | 2,20 | -           | 11,3 | 10,6 | 10,1 | 8,8  | 7,6  | 7,2  | 6,8  | 6,4  | 5,5  |      |
| 3D(.)4 65-200/2.2R | 3    | 2,20 | -           | 12,4 | 11,6 | 10,9 | 9,3  | 7,8  | 7,3  | 6,8  | -    | -    |      |
| 3D(.)4 65-200/2.2  | 3    | 2,20 | -           | 13,9 | 13,0 | 12,4 | 10,8 | 9,3  | 8,8  | 8,3  | 7,8  | -    |      |
| 3D(.)4 65-200/3    | 4    | 3    | -           | 15,8 | 15,1 | 14,4 | 12,9 | 11,6 | 11,1 | 10,6 | 10,1 | 9    |      |

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 32-125 series** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**

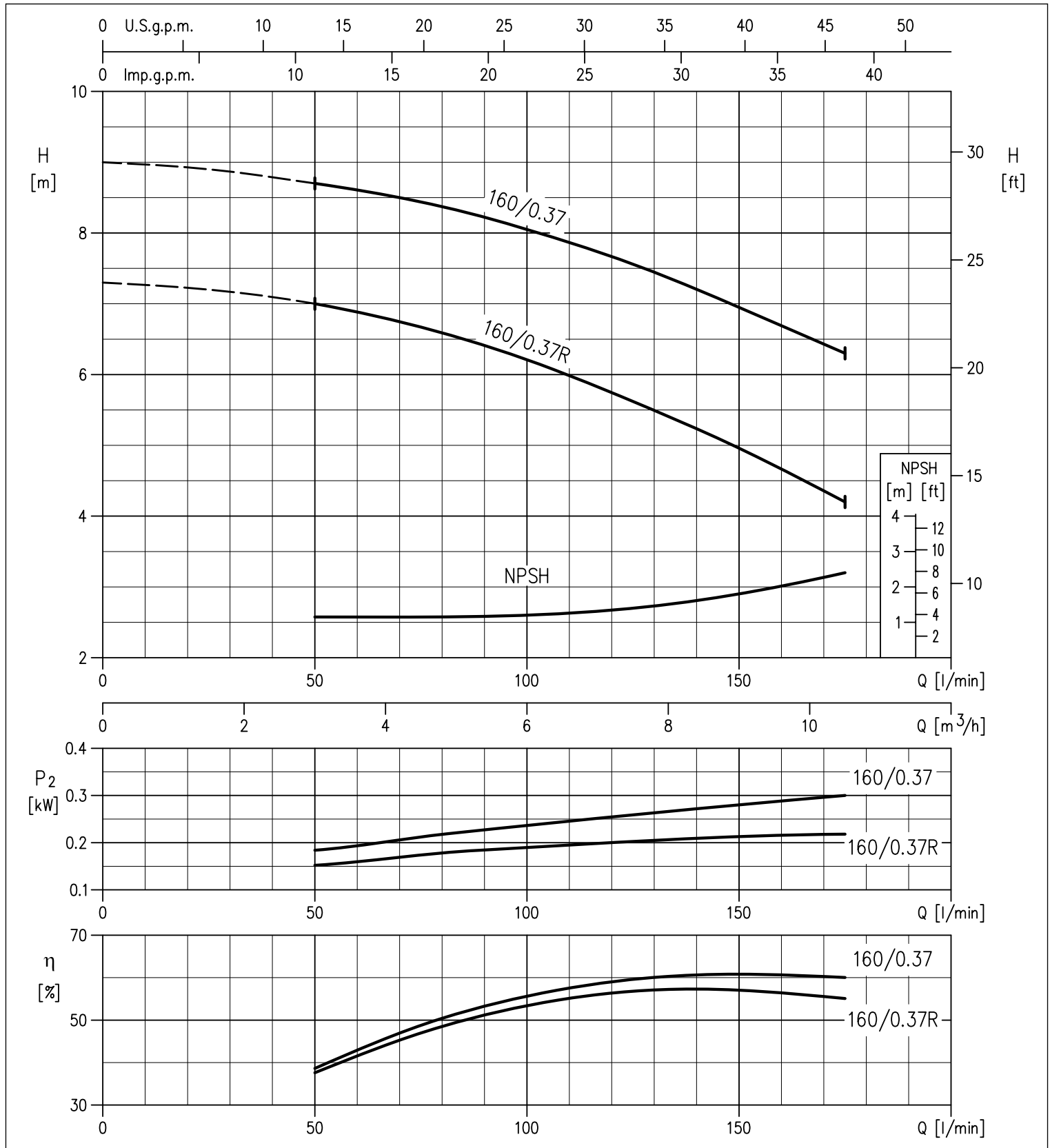


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 32-160 series** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**



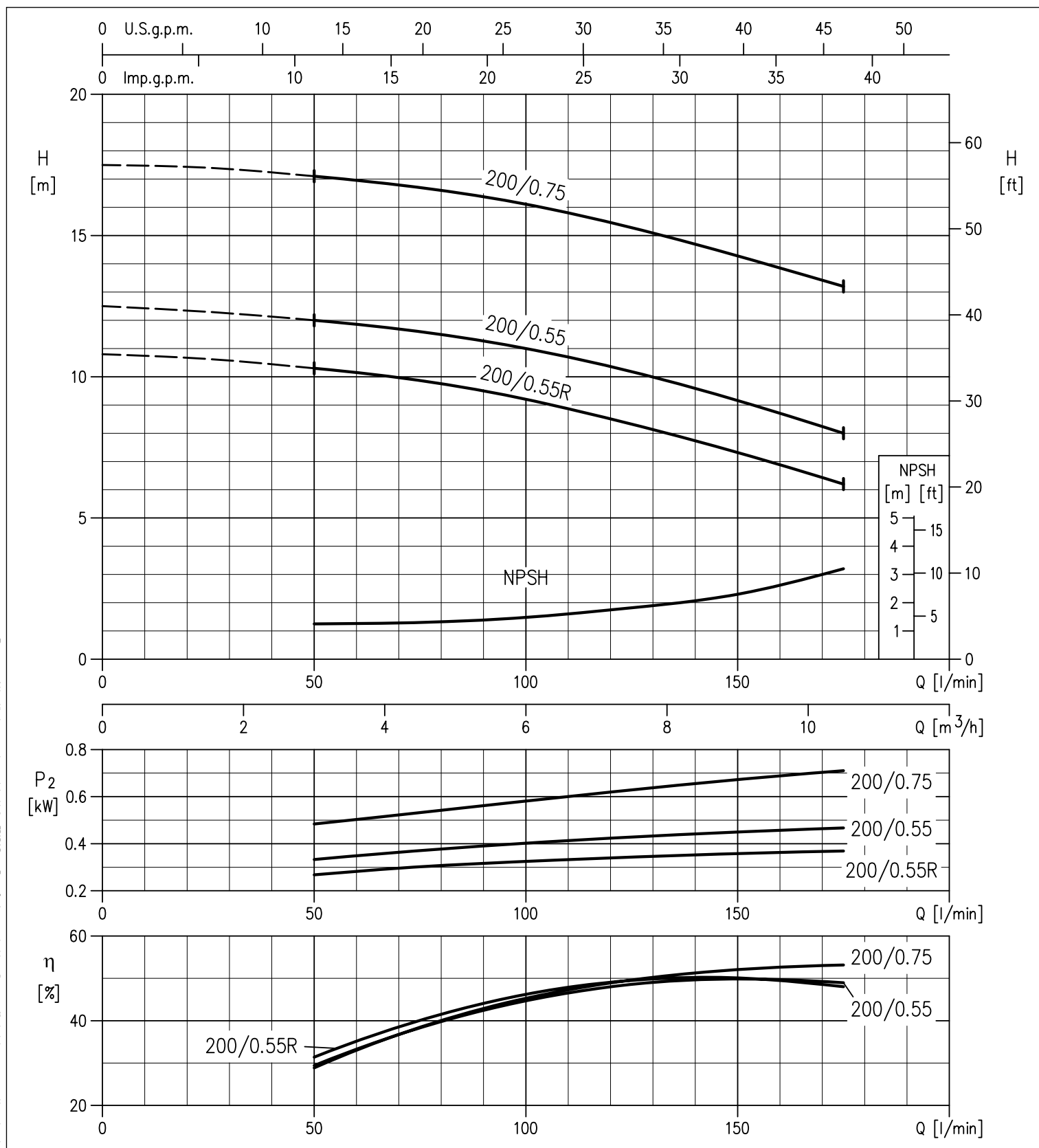
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# 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3D(.)4 32-200 series at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

4 Poles



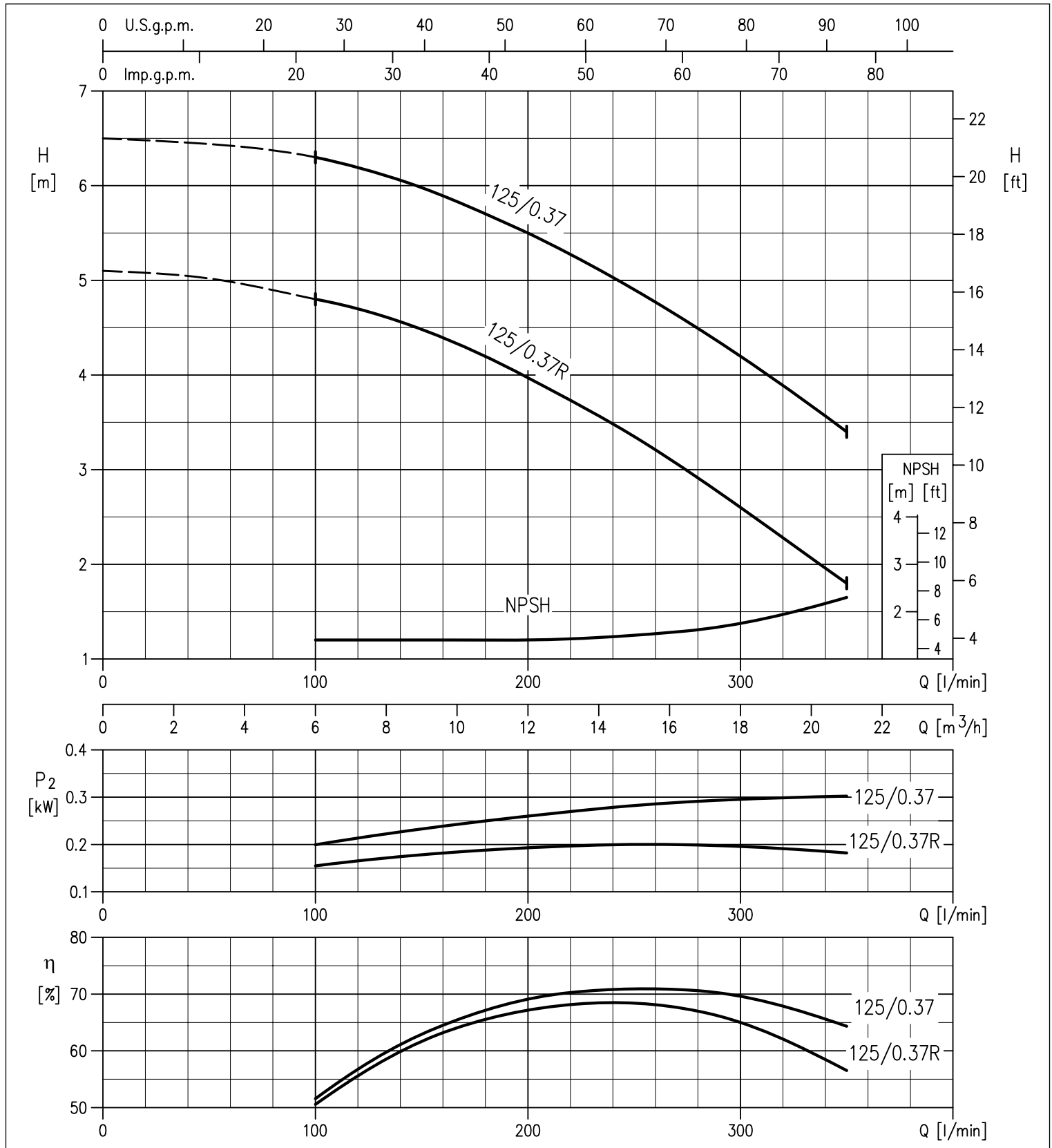


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 40-125 series** at  $1400 \text{ min}^{-1}$  (according to ISO 9906 Attachment A)

**4 Poles**

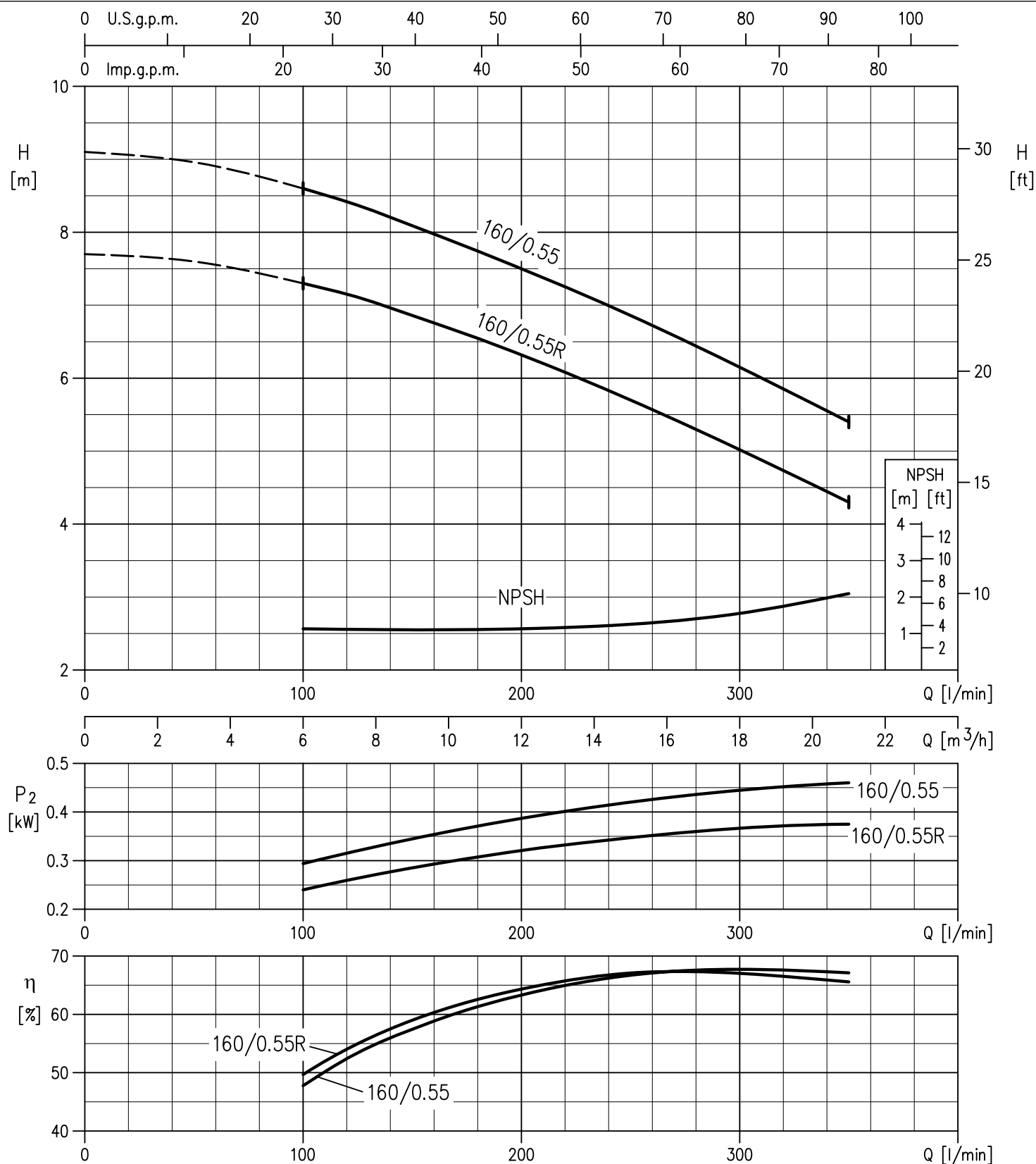


# 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3D(.)4 40-160 series at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

4 Poles

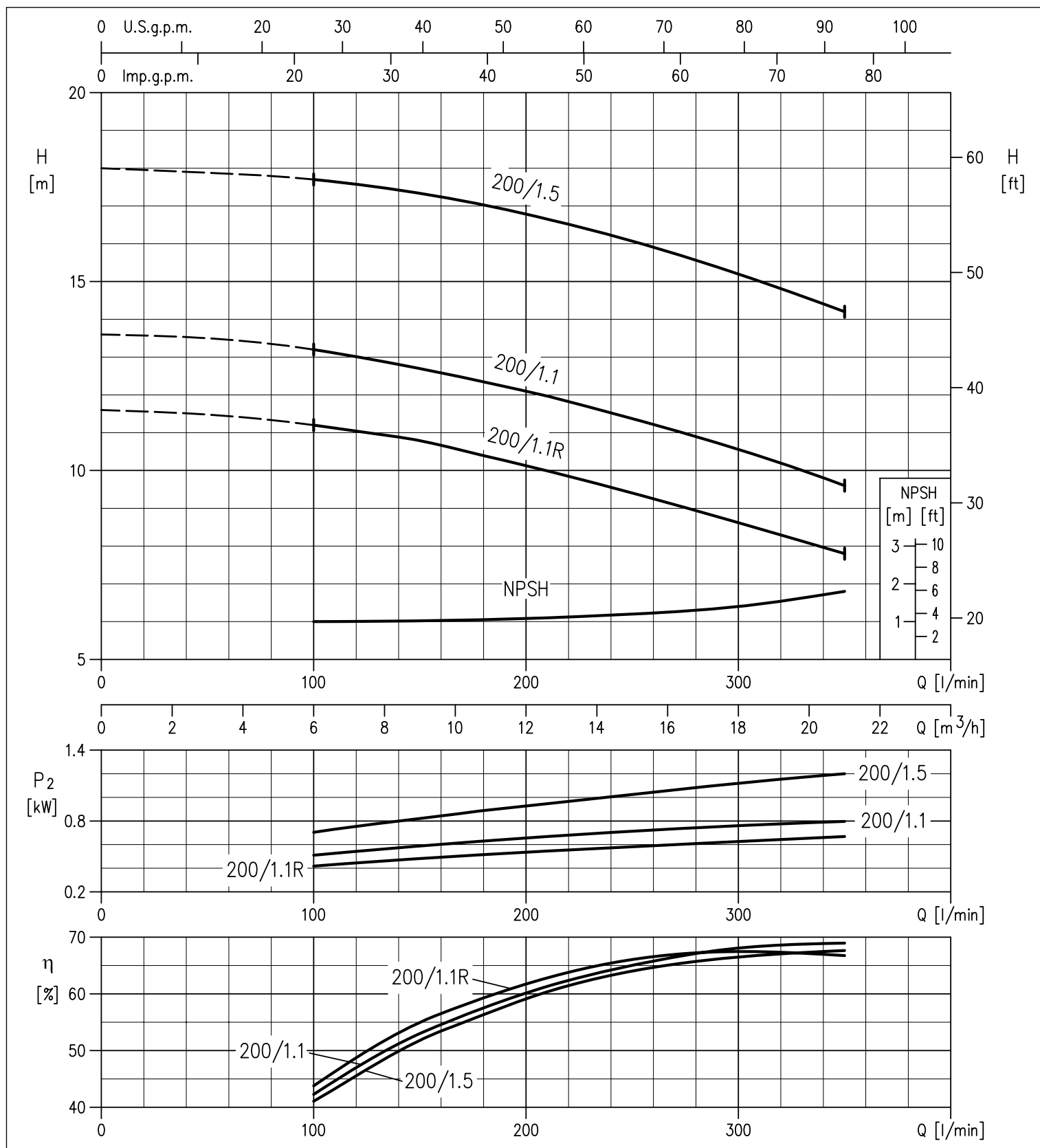


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 40-200 series** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**

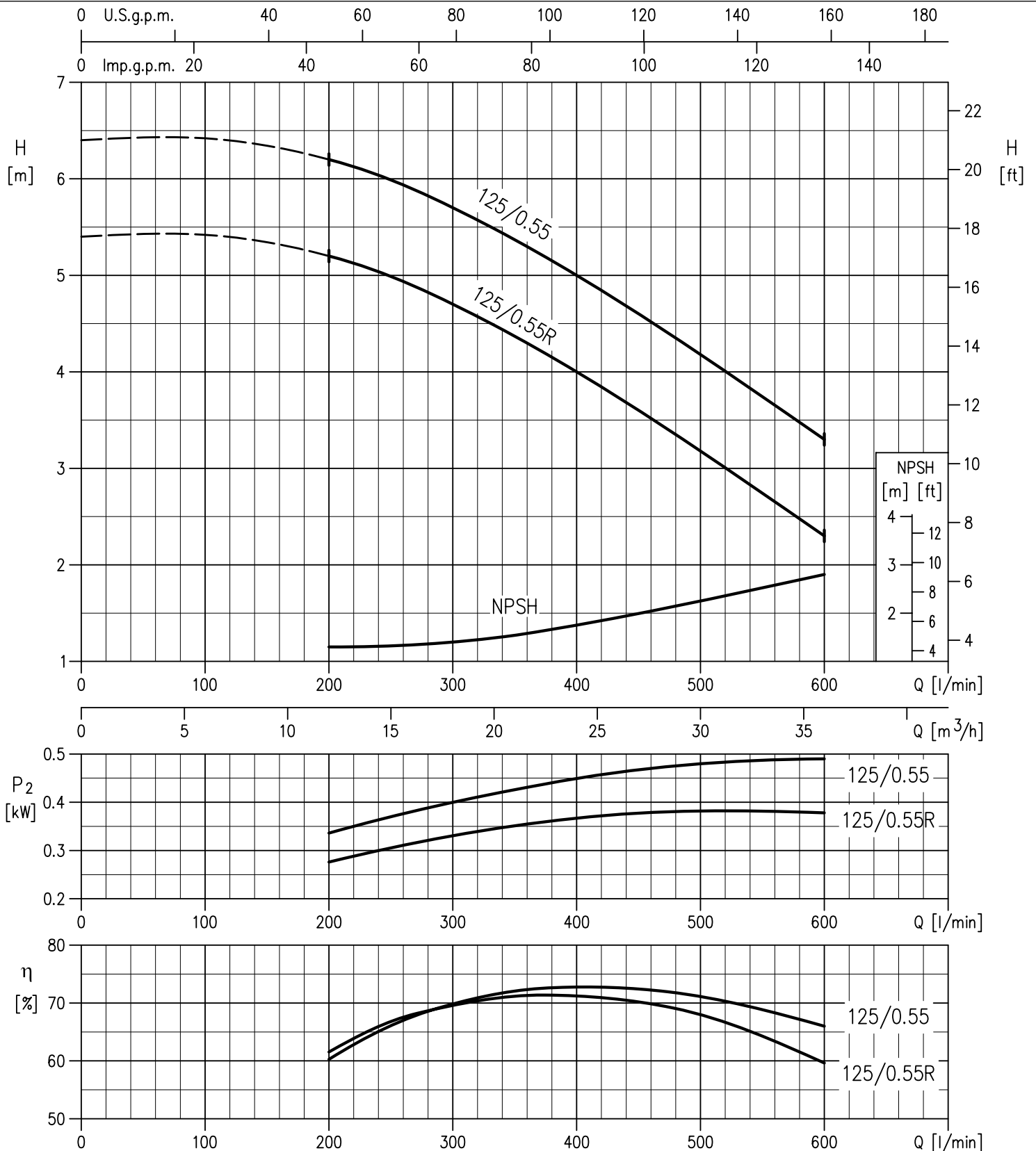


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 50-125 series** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**

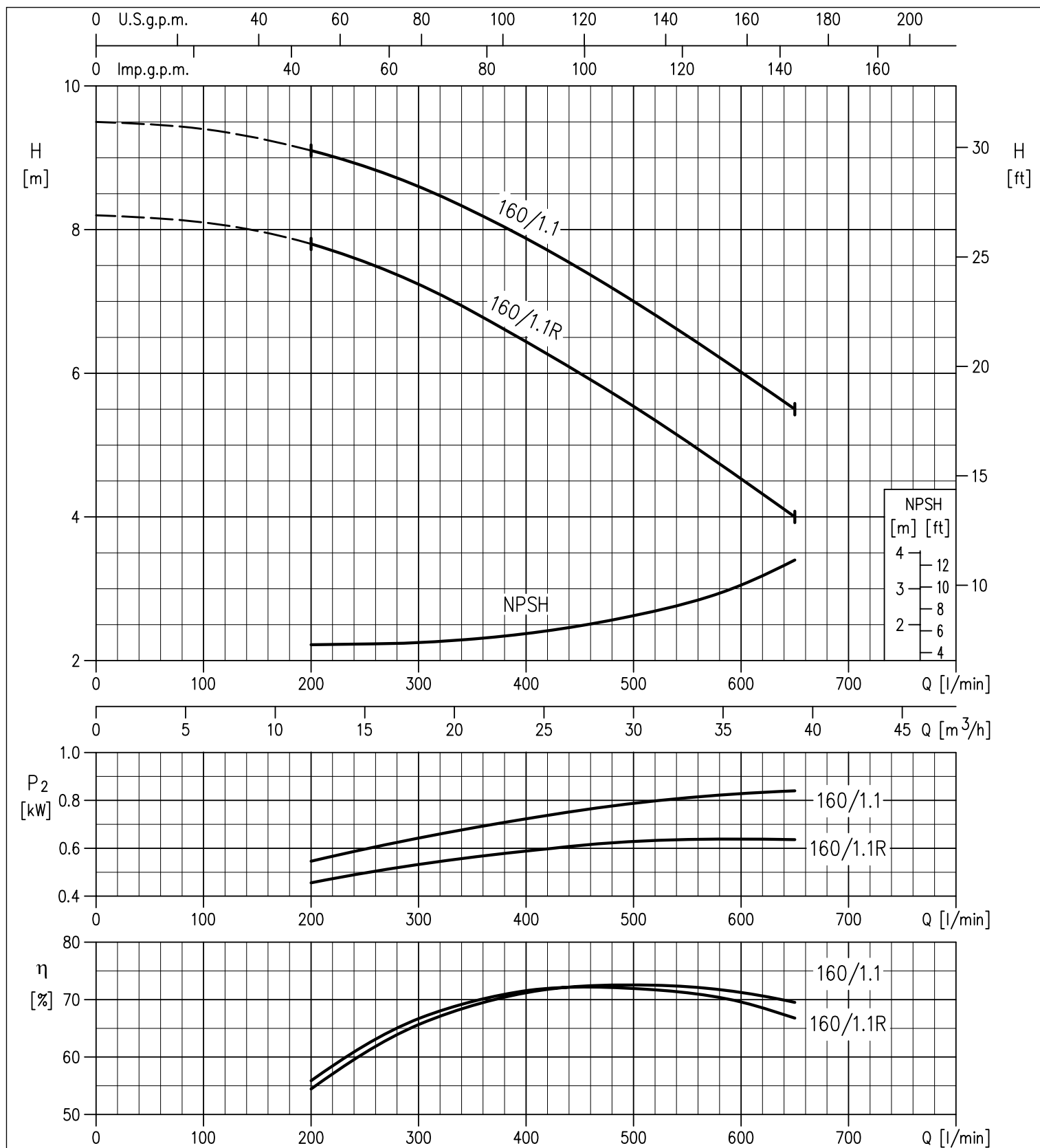


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 50-160 series** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**

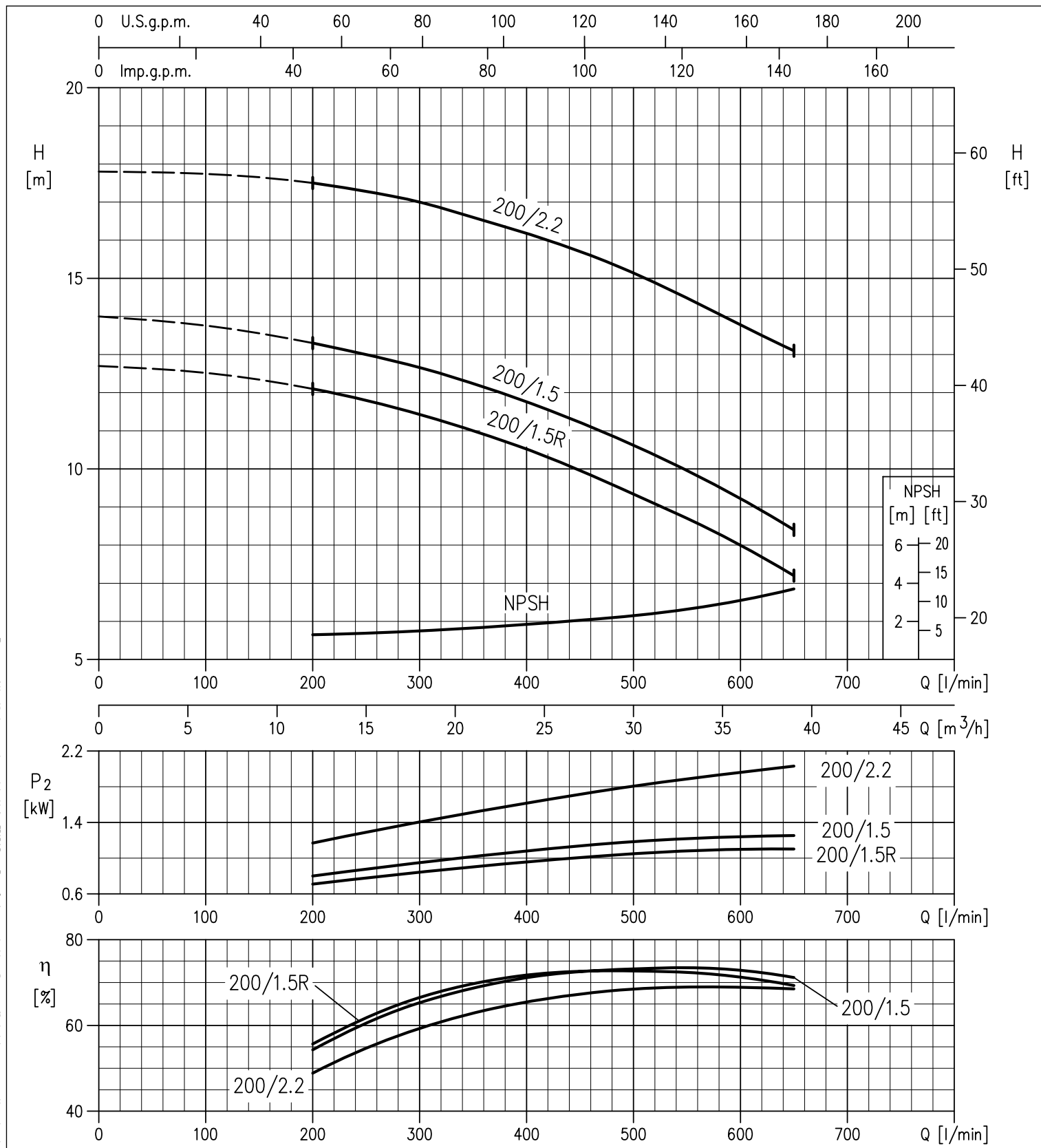


# 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3D(.)4 50-200 series at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

4 Poles

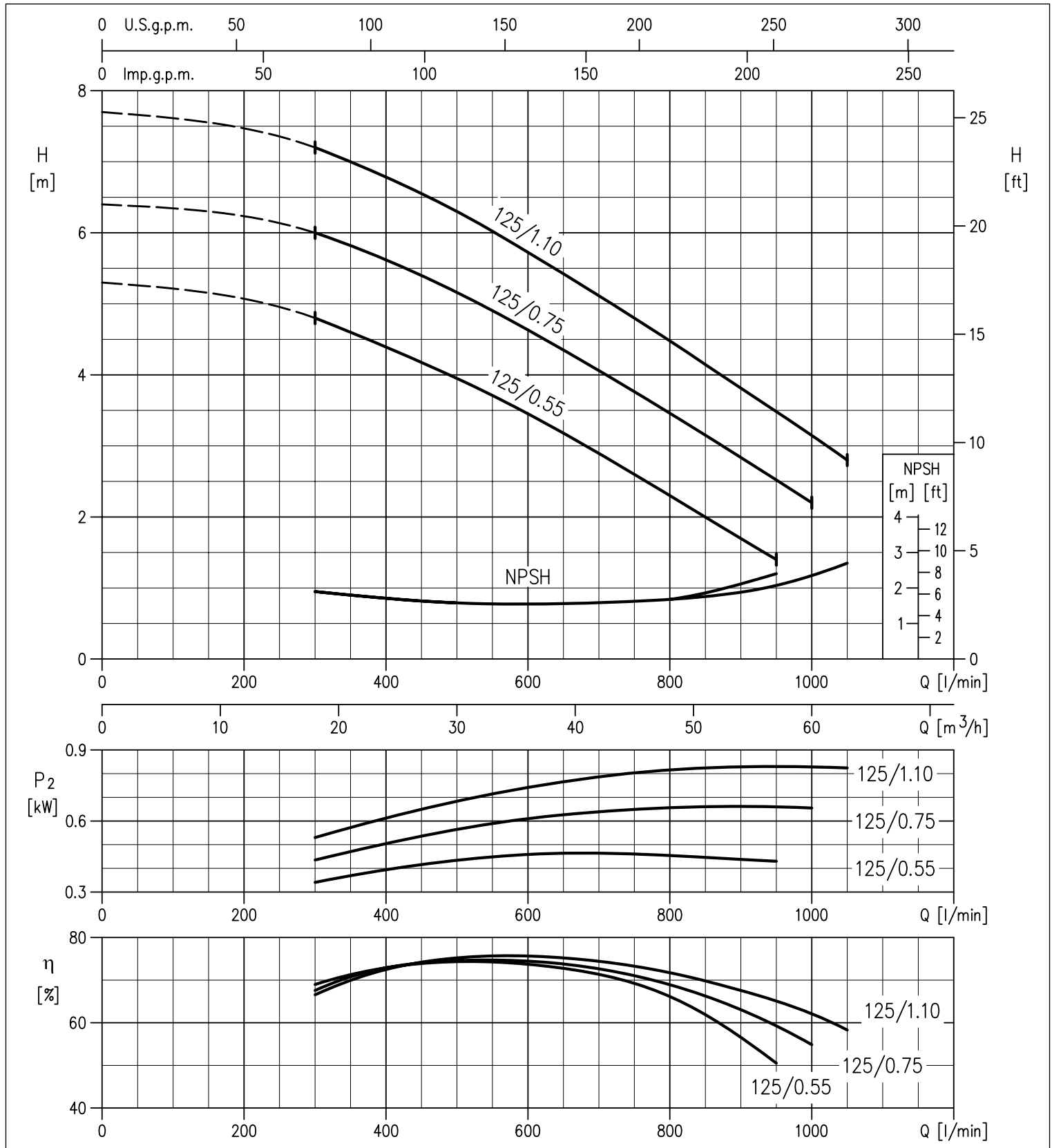


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**PERFORMANCE CURVES 3D(.)4 65-125 series** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**



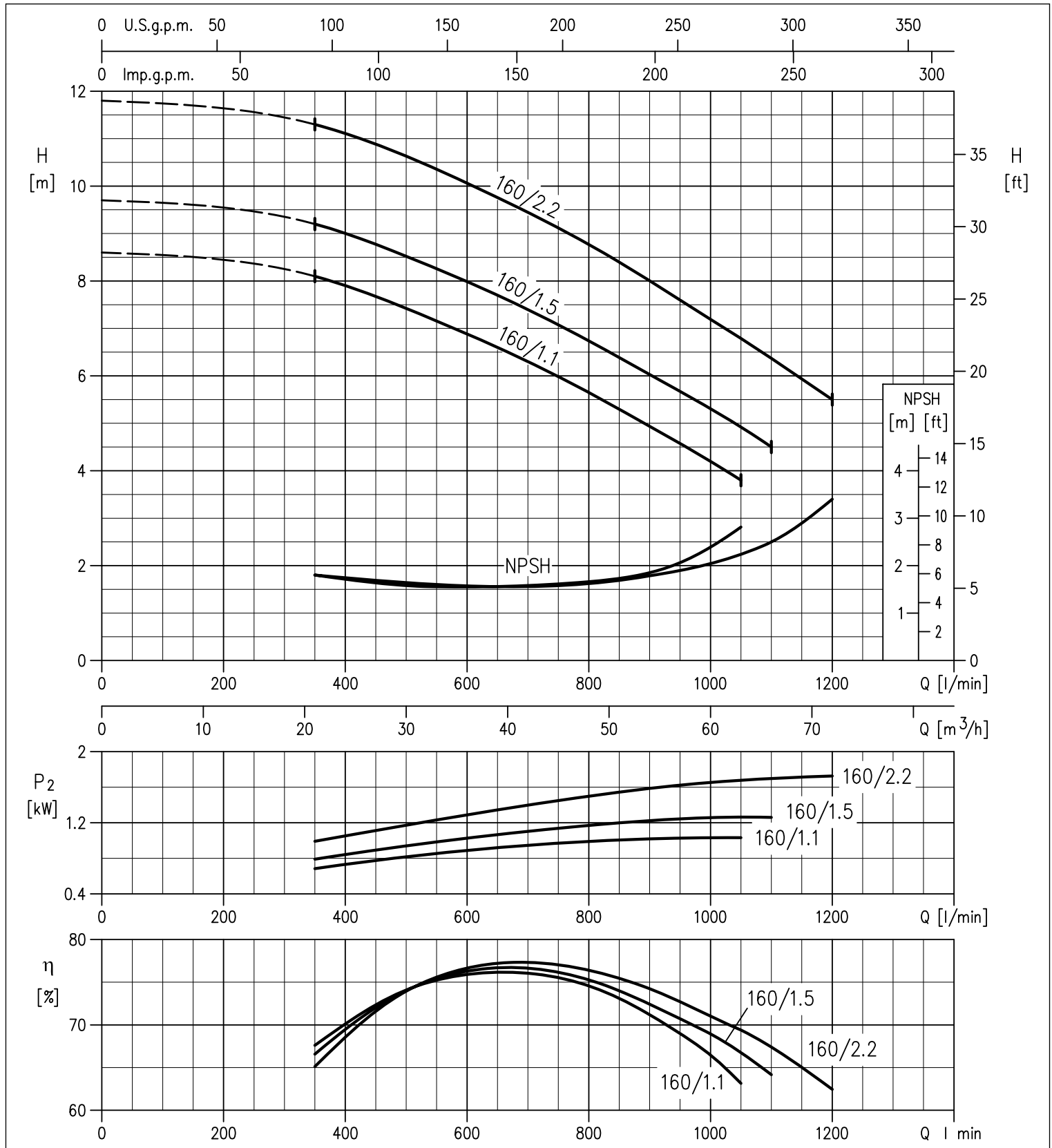
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# 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3D(.)4 65-160 series at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

4 Poles



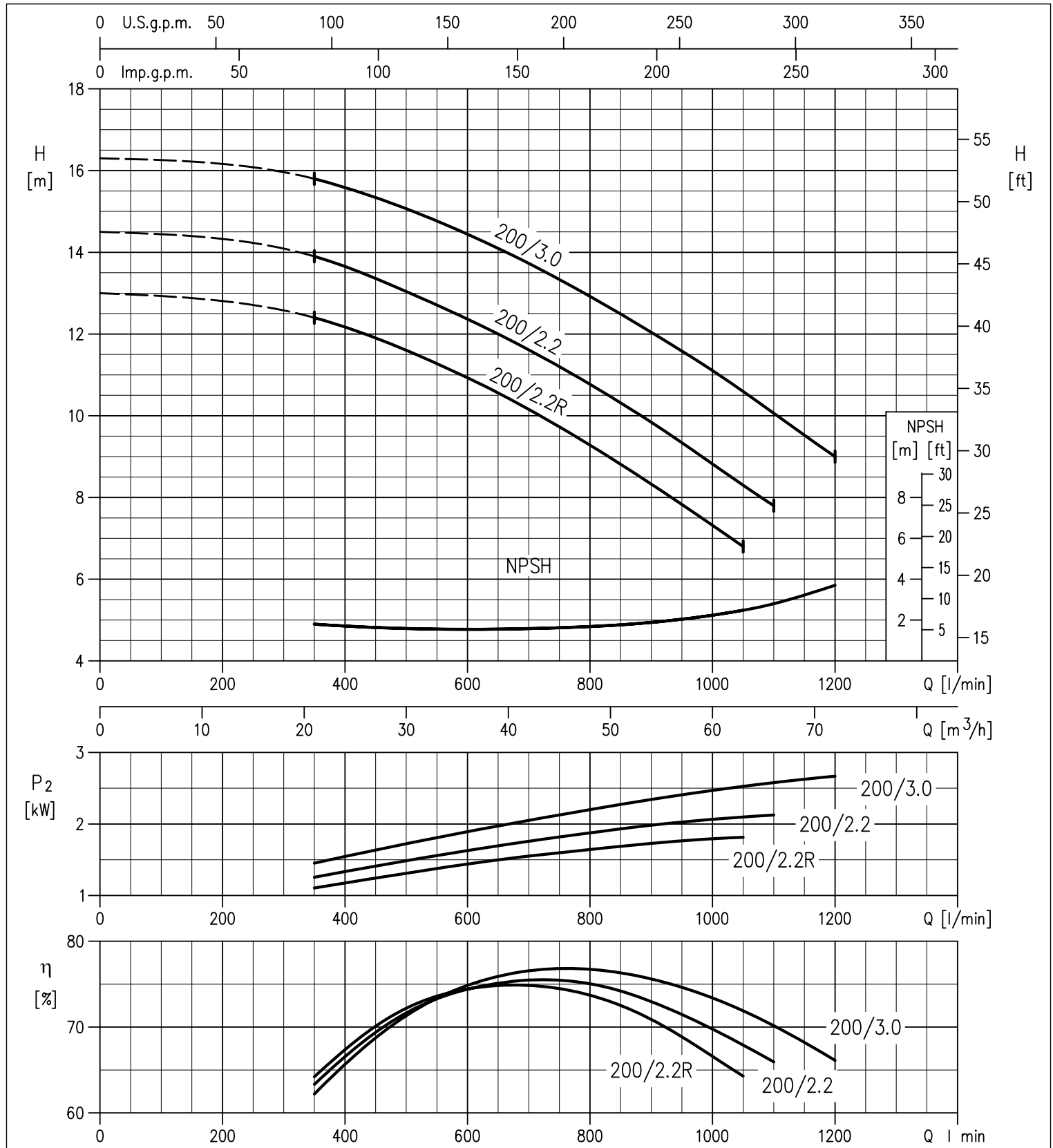


# 3D SERIES

NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3D(.)4 65-200 series at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

4 Poles

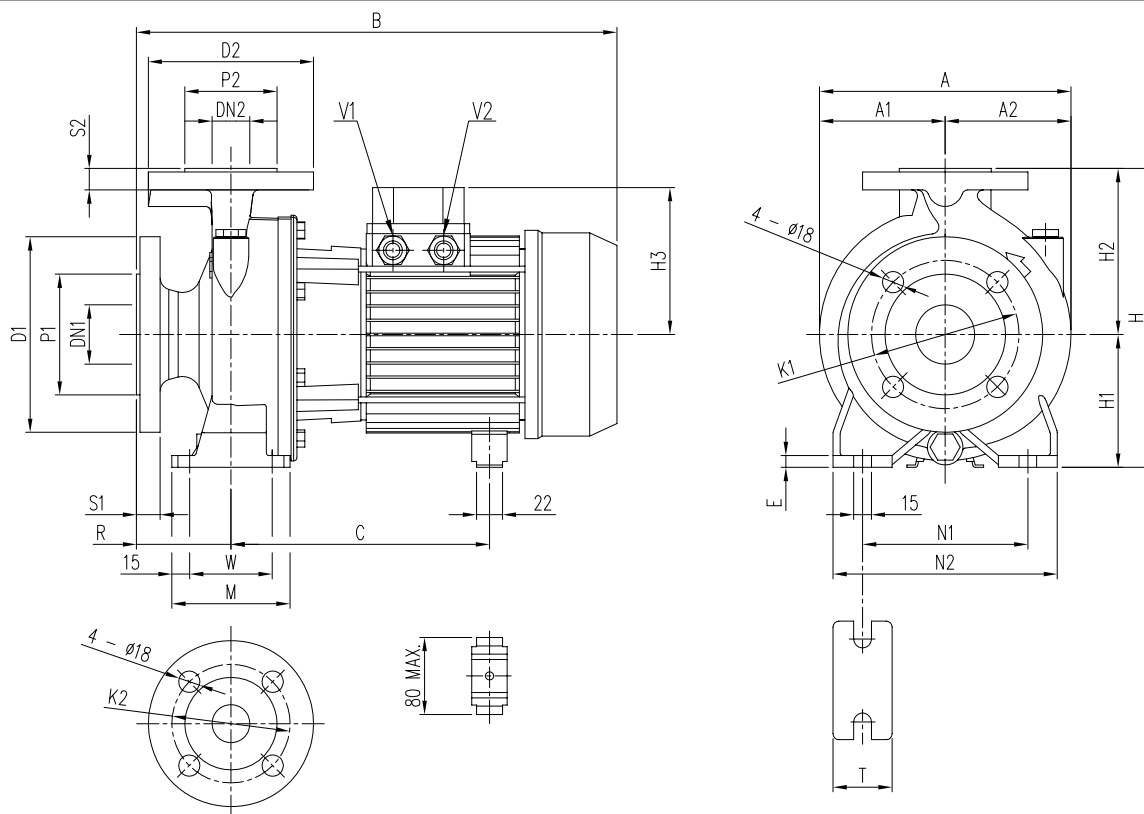


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3D4 SERIES

4 Poles



## DIMENSIONAL TABLE

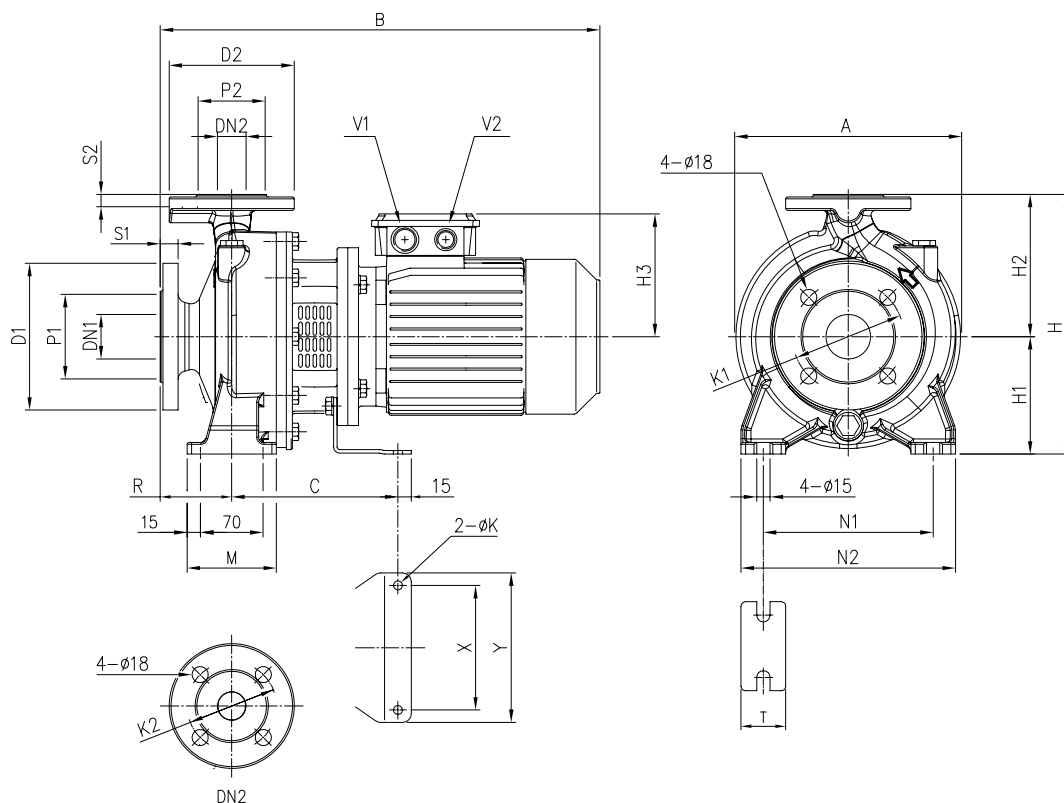
| Model            | Dimensions [mm] |     |     |     |    |     |     |     |     |    |     |     |     |     |     |    |     |     |     |    | Weight [kg] |
|------------------|-----------------|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-------------|
|                  | DN1             | P1  | K1  | D1  | S1 | DN2 | P2  | K2  | D2  | S2 | H   | H1  | H2  | H3  | R   | W  | M   | N1  | N2  | T  |             |
| 3D4 32-125/0.25  | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 252 | 112 | 140 | 102 | 80  | 70 | 100 | 140 | 190 | 50 | 23.9        |
| 3D4 32-160/0.37R | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 292 | 132 | 160 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 31.1        |
| 3D4 32-160/0.37  | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 292 | 132 | 160 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 31.3        |
| 3D4 32-200/0.55R | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 340 | 160 | 180 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 35.9        |
| 3D4 32-200/0.55  | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 340 | 160 | 180 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 35.9        |
| 3D4 32-200/0.75  | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 340 | 160 | 180 | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 39.5        |
| 3D4 40-125/0.37R | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 252 | 112 | 140 | 102 | 80  | 70 | 100 | 160 | 210 | 50 | 24.7        |
| 3D4 40-125/0.37  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 252 | 112 | 140 | 102 | 80  | 70 | 100 | 160 | 210 | 50 | 24.8        |
| 3D4 40-160/0.55R | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 292 | 132 | 160 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 32.3        |
| 3D4 40-160/0.55  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 292 | 132 | 160 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 32.7        |
| 3D4 40-200/1.1R  | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 340 | 160 | 180 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 41.2        |
| 3D4 40-200/1.1   | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 340 | 160 | 180 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 41.3        |
| 3D4 40-200/1.5   | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 340 | 160 | 180 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 43.0        |
| 3D4 50-125/0.55R | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 292 | 132 | 160 | 119 | 100 | 70 | 100 | 190 | 240 | 50 | 32.7        |
| 3D4 50-125/0.55  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 292 | 132 | 160 | 119 | 100 | 70 | 100 | 190 | 240 | 50 | 32.8        |
| 3D4 50-160/1.1R  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 340 | 160 | 180 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 42.2        |
| 3D4 50-160/1.1   | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 340 | 160 | 180 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 42.3        |
| 3D4 50-160/1.5R  | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 360 | 160 | 200 | 141 | 100 | 70 | 100 | 212 | 265 | 50 | 43.4        |
| 3D4 50-200/1.5   | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 360 | 160 | 200 | 141 | 100 | 70 | 100 | 212 | 265 | 50 | 44.5        |
| 3D4 50-200/2.2   | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 360 | 160 | 200 | 141 | 100 | 70 | 100 | 212 | 265 | 50 | 42.9        |
| 3D4 65-125/0.55  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 340 | 160 | 180 | 119 | 100 | 95 | 125 | 212 | 280 | 65 | 37.2        |
| 3D4 65-125/0.75  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 340 | 160 | 180 | 124 | 100 | 95 | 125 | 212 | 280 | 65 | 35.3        |
| 3D4 65-125/1.1   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 340 | 160 | 180 | 124 | 100 | 95 | 125 | 212 | 280 | 65 | 35.3        |
| 3D4 65-160/1.1   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 360 | 160 | 200 | 124 | 100 | 95 | 125 | 212 | 280 | 65 | 44.6        |
| 3D4 65-160/1.5   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 360 | 160 | 200 | 124 | 100 | 95 | 125 | 212 | 280 | 65 | 46.1        |
| 3D4 65-160/2.2   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 360 | 160 | 200 | 141 | 100 | 95 | 125 | 212 | 280 | 65 | 48.1        |
| 3D4 65-200/2.2R  | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 405 | 180 | 225 | 141 | 100 | 95 | 125 | 250 | 320 | 65 | 46.5        |
| 3D4 65-200/2.2   | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 405 | 180 | 225 | 141 | 100 | 95 | 125 | 250 | 320 | 65 | 46.5        |
| 3D4 65-200/3     | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 405 | 180 | 225 | 141 | 100 | 95 | 125 | 250 | 320 | 65 | 54.5        |

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DS4 32, 40, 50, 65 SERIES

4 Poles



## DIMENSIONAL TABLE

| Model             | Dimensions [mm] |      |      |      |    |       |      |      |      |    |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |    |         |         | Weight [kg] |      |
|-------------------|-----------------|------|------|------|----|-------|------|------|------|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|---------|---------|-------------|------|
|                   | DN1 Ø           | P1 Ø | K1 Ø | D1 Ø | S1 | DN2 Ø | P2 Ø | K2 Ø | D2 Ø | S2 | H   | H1  | H2  | H3  | R   | W  | M   | N1  | N2  | T  | A   | B   | C   | X   | Y   | K  | V2      | V2      |             | [*]  |
| 3DS4 32-125/0.25  | 50              | 102  | 125  | 165  | 20 | 32    | 78   | 100  | 140  | 18 | 252 | 112 | 140 | 114 | 80  | 70 | 100 | 140 | 190 | 50 | 213 | 404 | 153 | 112 | 140 | 8  | M20x1.5 | M16x1.5 | 24.3        | -    |
| 3DS4 32-160/0.37R | 50              | 102  | 125  | 165  | 20 | 32    | 78   | 100  | 140  | 18 | 292 | 132 | 160 | 114 | 80  | 70 | 100 | 190 | 240 | 50 | 254 | 404 | 153 | 112 | 140 | 8  | M20x1.5 | M16x1.5 | 29.9        | -    |
| 3DS4 32-160/0.37  | 50              | 102  | 125  | 165  | 20 | 32    | 78   | 100  | 140  | 18 | 292 | 132 | 160 | 114 | 80  | 70 | 100 | 190 | 240 | 50 | 254 | 404 | 153 | 112 | 140 | 8  | M20x1.5 | M16x1.5 | 30.1        | -    |
| 3DS4 32-200/0.55R | 50              | 102  | 125  | 165  | 20 | 32    | 78   | 100  | 140  | 18 | 340 | 160 | 180 | 139 | 80  | 70 | 100 | 190 | 240 | 50 | 296 | 430 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 39.4        | -    |
| 3DS4 32-200/0.55  | 50              | 102  | 125  | 165  | 20 | 32    | 78   | 100  | 140  | 18 | 340 | 160 | 180 | 139 | 80  | 70 | 100 | 190 | 240 | 50 | 296 | 430 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 44.4        | -    |
| 3DS4 32-200/0.75  | 50              | 102  | 125  | 165  | 20 | 32    | 78   | 100  | 140  | 18 | 340 | 160 | 180 | 139 | 80  | 70 | 100 | 190 | 240 | 50 | 296 | 430 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 40.9        | 40.9 |
| 3DS4 40-125/0.37R | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 252 | 112 | 140 | 114 | 80  | 70 | 100 | 160 | 210 | 50 | 220 | 404 | 153 | 112 | 140 | 8  | M20x1.5 | M16x1.5 | 25.3        | -    |
| 3DS4 40-125/0.37  | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 252 | 112 | 140 | 114 | 80  | 70 | 100 | 160 | 210 | 50 | 220 | 404 | 153 | 112 | 140 | 8  | M20x1.5 | M16x1.5 | 25.3        | -    |
| 3DS4 40-160/0.55R | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 292 | 132 | 160 | 139 | 80  | 70 | 100 | 190 | 240 | 50 | 254 | 430 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 35.6        | -    |
| 3DS4 40-160/0.55  | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 292 | 132 | 160 | 139 | 80  | 70 | 100 | 190 | 240 | 50 | 254 | 430 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 35.6        | -    |
| 3DS4 40-200/1.1R  | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 340 | 160 | 180 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 47          | 49.2 |
| 3DS4 40-200/1.1   | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 340 | 160 | 180 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 47          | 49.2 |
| 3DS4 40-200/1.5   | 65              | 122  | 145  | 185  | 20 | 40    | 88   | 110  | 150  | 18 | 340 | 160 | 180 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 48.2        | 50.8 |
| 3DS4 50-125/0.55R | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 292 | 132 | 160 | 139 | 100 | 70 | 100 | 190 | 240 | 50 | 254 | 450 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 36          | -    |
| 3DS4 50-125/0.55  | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 292 | 132 | 160 | 139 | 100 | 70 | 100 | 190 | 240 | 50 | 254 | 450 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 36          | -    |
| 3DS4 50-160/1.1R  | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 340 | 160 | 180 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 47.6        | 49.8 |
| 3DS4 50-160/1.1   | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 340 | 160 | 180 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 47.6        | 49.8 |
| 3DS4 50-200/1.5R  | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 360 | 160 | 200 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 50          | 52.6 |
| 3DS4 50-200/1.5   | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 360 | 160 | 200 | 148 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 50          | 52.6 |
| 3DS4 65-125/0.55  | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 340 | 160 | 180 | 139 | 100 | 95 | 125 | 212 | 280 | 65 | 263 | 450 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 36.8        | -    |
| 3DS4 65-125/0.75  | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 340 | 160 | 180 | 139 | 100 | 95 | 125 | 212 | 280 | 65 | 263 | 450 | 174 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 45.3        | 45.3 |
| 3DS4 65-125/1.1   | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 340 | 160 | 180 | 148 | 100 | 95 | 125 | 212 | 280 | 65 | 263 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 45.3        | 47.5 |
| 3DS4 65-160/1.1   | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 360 | 160 | 200 | 148 | 100 | 95 | 125 | 212 | 280 | 65 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 47.1        | 49.3 |
| 3DS4 65-160/1.5   | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 360 | 160 | 200 | 148 | 100 | 95 | 125 | 212 | 280 | 65 | 296 | 497 | 186 | 140 | 168 | 10 | M25x1.5 | M20x1.5 | 59.1        | 61.7 |

[\*]= Only for IE3 motors

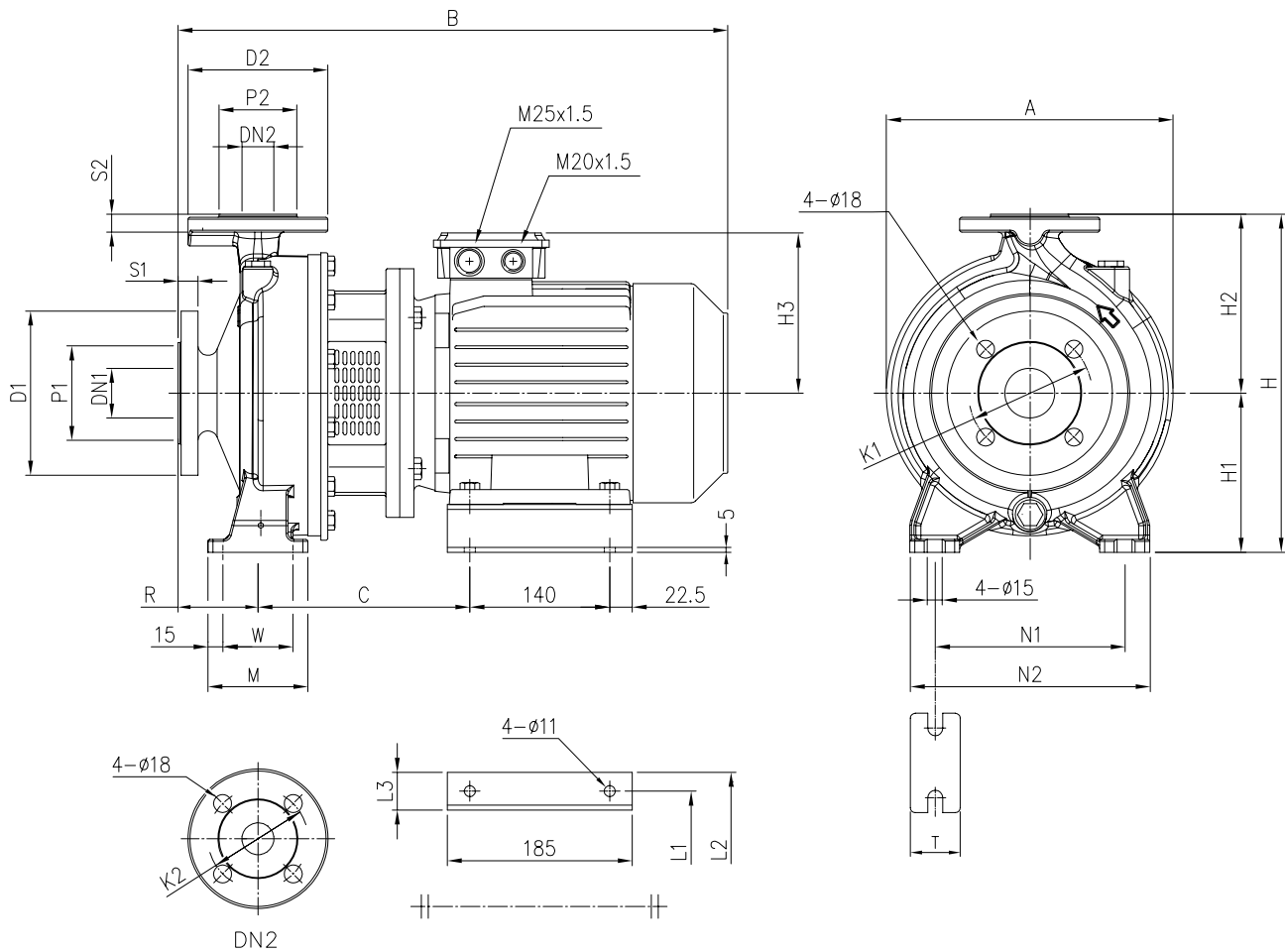
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# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DS4 50, 60 SERIES

4 Poles



## DIMENSIONAL TABLE

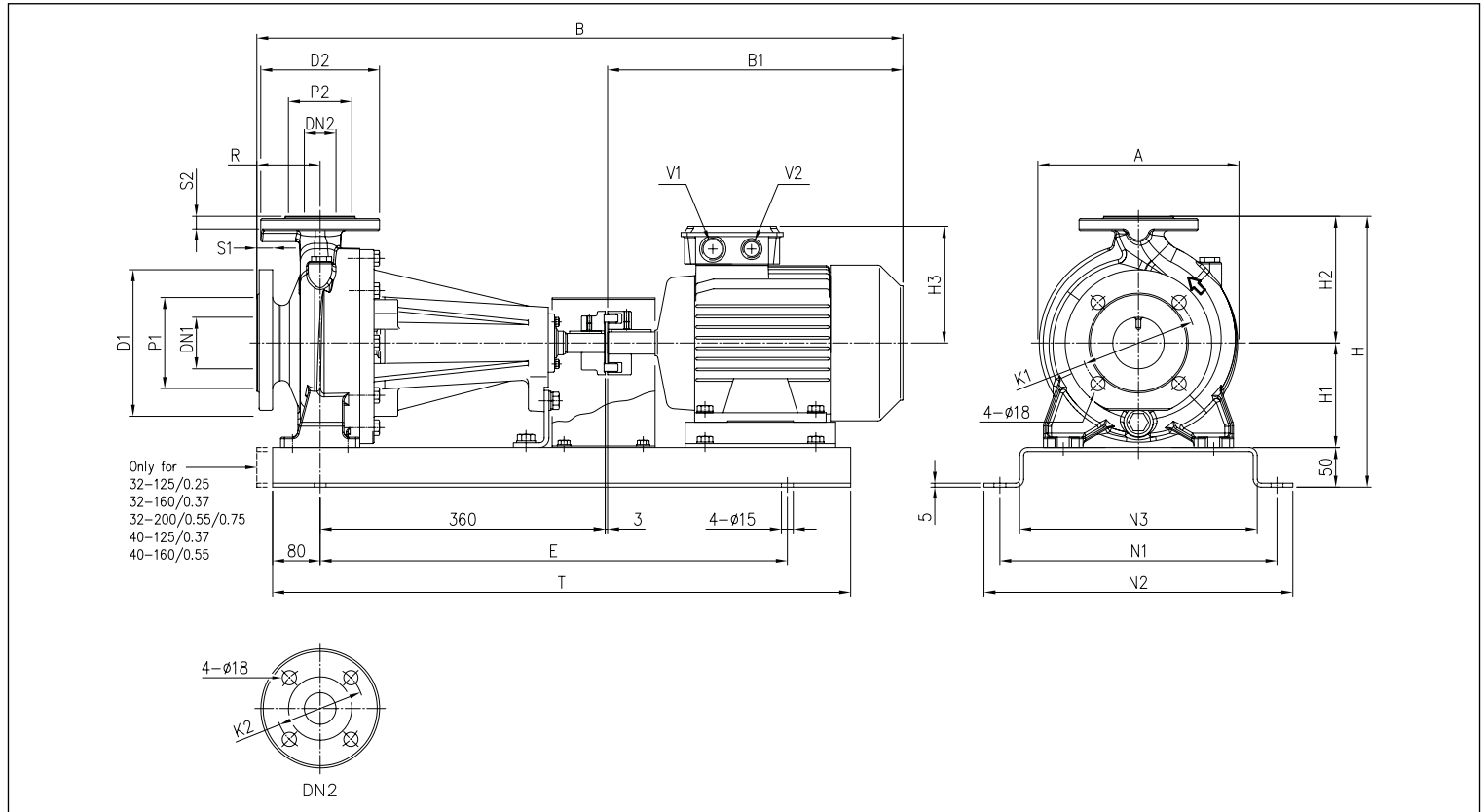
| Model             | Dimensions [mm] |      |      |      |    |       |      |      |      |    |     |     |     |     |    |     |     |     |     |    |      | Weight [kg] |  |
|-------------------|-----------------|------|------|------|----|-------|------|------|------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|------|-------------|--|
|                   | DN1 Ø           | P1 Ø | K1 Ø | D1 Ø | S1 | DN2 Ø | P2 Ø | K2 Ø | D2 Ø | S2 | H   | H1  | H2  | R   | W  | M   | A   | N1  | N2  | T  |      | [*]         |  |
| 3DS4 50-200/2.20  | 65              | 122  | 145  | 185  | 20 | 50    | 102  | 125  | 165  | 20 | 360 | 160 | 200 | 100 | 70 | 100 | 296 | 212 | 265 | 50 | 55.9 | 56.3        |  |
| 3DS4 65-160/2.20  | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 360 | 160 | 200 | 100 | 95 | 125 | 296 | 212 | 280 | 65 | 62.1 | 62.5        |  |
| 3DS4 65-200/2.20R | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 405 | 180 | 225 | 100 | 95 | 125 | 312 | 250 | 320 | 65 | 59   | 59.4        |  |
| 3DS4 65-200/2.20  | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 405 | 180 | 225 | 100 | 95 | 125 | 312 | 250 | 320 | 65 | 59.5 | 59.9        |  |
| 3DS4 65-200/3.00  | 80              | 138  | 160  | 200  | 22 | 65    | 122  | 145  | 185  | 20 | 405 | 180 | 225 | 100 | 95 | 125 | 312 | 250 | 320 | 65 | 65   | 65          |  |

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## DIMENSIONS 3DP4 32, 65 SERIES

4 Poles



## DIMENSIONAL TABLE

| Model             | DN1<br>Ø | P1<br>Ø | K1<br>Ø | D1<br>Ø | S1 | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>Ø | S2 | H   | H1  | H2  | H3  | R   | A   | B   | B1  | E   | N1  | N2  | N3  | T   | V2      | V2      | Weight<br>[kg] | [*]  |
|-------------------|----------|---------|---------|---------|----|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|----------------|------|
| 3DP4 32-125/0.25  | 50       | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 302 | 112 | 140 | 114 | 80  | 213 | 689 | 246 | 550 | 300 | 340 | 250 | 710 | M20X1.5 | M16X1.5 | 45.9           | -    |
| 3DP4 32-160/0.37R | 50       | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 342 | 132 | 160 | 114 | 80  | 254 | 689 | 246 | 510 | 350 | 390 | 300 | 670 | M20X1.5 | M16X1.5 | 52.4           | -    |
| 3DP4 32-160/0.37  | 50       | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 342 | 132 | 160 | 114 | 80  | 254 | 689 | 246 | 510 | 350 | 390 | 300 | 670 | M20X1.5 | M16X1.5 | 52.4           | -    |
| 3DP4 32-200/0.55R | 50       | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 390 | 160 | 180 | 139 | 80  | 296 | 715 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 64.9           | -    |
| 3DP4 32-200/0.55  | 50       | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 390 | 160 | 180 | 139 | 80  | 296 | 715 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 64.9           | -    |
| 3DP4 32-200/0.75  | 50       | 102     | 125     | 165     | 20 | 32       | 78      | 100     | 140     | 18 | 390 | 160 | 180 | 139 | 80  | 296 | 715 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 65.9           | 65.9 |
| 3DP4 40-125/0.37R | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 302 | 112 | 140 | 114 | 80  | 220 | 689 | 246 | 550 | 300 | 340 | 250 | 710 | M20X1.5 | M16X1.5 | 55.6           | -    |
| 3DP4 40-125/0.37  | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 302 | 112 | 140 | 114 | 80  | 220 | 689 | 246 | 550 | 300 | 340 | 250 | 710 | M20X1.5 | M16X1.5 | 55.6           | -    |
| 3DP4 40-160/0.55R | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 342 | 132 | 160 | 139 | 80  | 254 | 715 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 56.6           | -    |
| 3DP4 40-160/0.55  | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 342 | 132 | 160 | 139 | 80  | 254 | 715 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 56.6           | -    |
| 3DP4 40-200/1.1R  | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 390 | 160 | 180 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 74.2           | 76.4 |
| 3DP4 40-200/1.1   | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 390 | 160 | 180 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 74.2           | 76.4 |
| 3DP4 40-200/1.5   | 65       | 122     | 145     | 185     | 20 | 40       | 88      | 110     | 150     | 18 | 390 | 160 | 180 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 76.7           | 79.3 |
| 3DP4 50-125/0.55R | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 342 | 132 | 160 | 139 | 100 | 254 | 735 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 57.3           | -    |
| 3DP4 50-125/0.55  | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 342 | 132 | 160 | 139 | 100 | 254 | 735 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 57.3           | -    |
| 3DP4 50-160/1.1R  | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 390 | 160 | 180 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 66.1           | 68.3 |
| 3DP4 50-160/1.1   | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 390 | 160 | 180 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 66.1           | 68.3 |
| 3DP4 50-200/1.5R  | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 410 | 160 | 200 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 76.9           | 79.5 |
| 3DP4 50-200/1.5   | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 410 | 160 | 200 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 76.9           | 79.5 |
| 3DP4 50-200/1.5   | 65       | 122     | 145     | 185     | 20 | 50       | 102     | 125     | 165     | 20 | 410 | 160 | 200 | 155 | 100 | 296 | 829 | 366 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 82.9           | 83.3 |
| 3DP4 65-125/0.55  | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 390 | 160 | 180 | 139 | 100 | 263 | 735 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 63.8           | -    |
| 3DP4 65-125/0.75  | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 390 | 160 | 180 | 139 | 100 | 263 | 735 | 272 | 510 | 350 | 390 | 300 | 670 | M25X1.5 | M20X1.5 | 63.8           | 63.8 |
| 3DP4 65-125/1.1   | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 390 | 160 | 180 | 148 | 100 | 263 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 71.3           | 73.5 |
| 3DP4 65-160/1.1   | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 410 | 160 | 200 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 78.6           | 80.8 |
| 3DP4 65-160/1.5   | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 410 | 160 | 200 | 148 | 100 | 296 | 780 | 317 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 79.6           | 82.2 |
| 3DP4 65-200/2.2   | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 410 | 160 | 200 | 155 | 100 | 296 | 829 | 366 | 590 | 350 | 390 | 300 | 750 | M25X1.5 | M20X1.5 | 87.6           | 88   |
| 3DP4 65-200/2.2R  | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 180 | 225 | 155 | 100 | 296 | 829 | 366 | 590 | 380 | 420 | 330 | 750 | M25X1.5 | M20X1.5 | 90.5           | 90.9 |
| 3DP4 65-200/2.2   | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 180 | 225 | 155 | 100 | 296 | 829 | 366 | 590 | 380 | 420 | 330 | 750 | M25X1.5 | M20X1.5 | 90.5           | 90.9 |
| 3DP4 65-200/3     | 80       | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 455 | 180 | 225 | 155 | 100 | 296 | 829 | 366 | 590 | 380 | 420 | 330 | 750 | M25X1.5 | M20X1.5 | 94             | 94   |

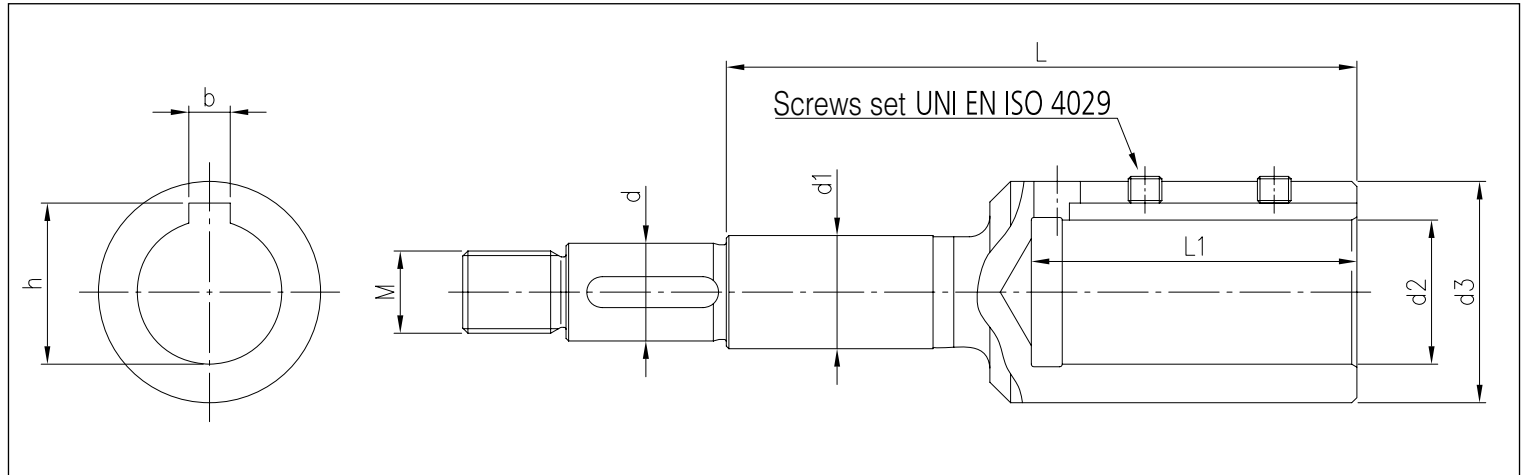
[\*]= Only for IE3 motors

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

Joint for 3DS4 SERIES

4 Poles



**DIMENSIONAL TABLE**

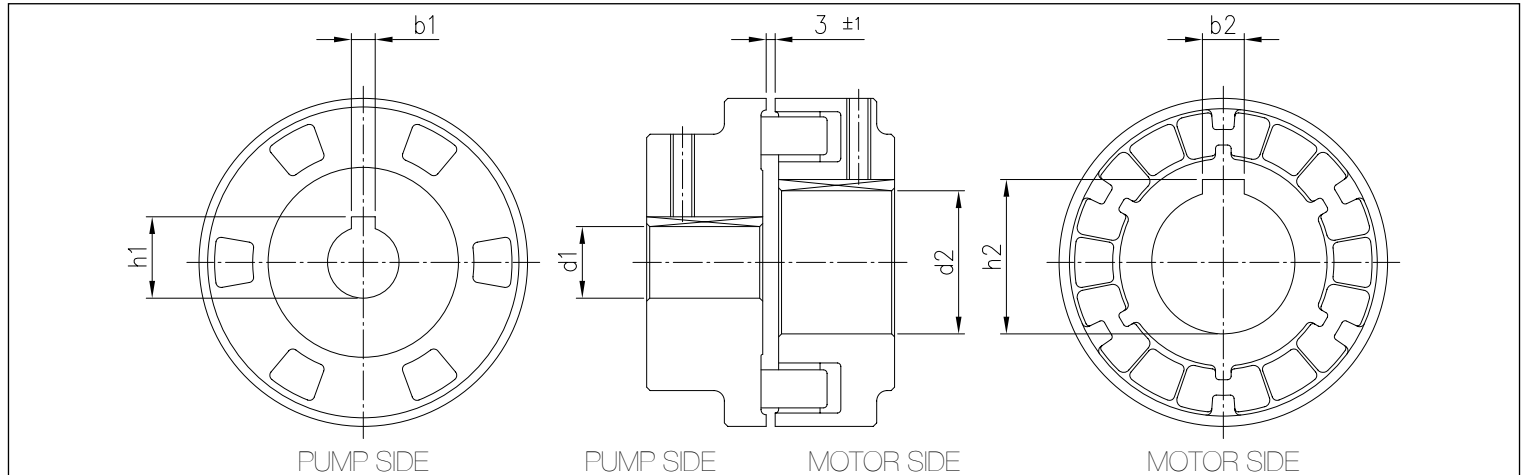
| Model             | [HP] | [kW] | Grand.<br>motor | d  | d1 | d2 | d3 | Dimensions [mm] |     | L1 | b | h    | Set viti |
|-------------------|------|------|-----------------|----|----|----|----|-----------------|-----|----|---|------|----------|
|                   |      |      |                 |    |    |    |    | M               | L   |    |   |      |          |
| 3DS4 32-125/0.25  | 0,33 | 0,25 | 71              | 19 | 22 | 14 | 28 | M16x1,5         | 88  | 33 | 5 | 16,3 | M5x6     |
| 3DS4 32-160/0.37R | 0,5  | 0,37 | 71              | 19 | 22 | 14 | 28 | M16x1,5         | 88  | 33 | 5 | 16,3 | M5x6     |
| 3DS4 32-160/0.37  | 0,5  | 0,37 | 71              | 19 | 22 | 14 | 28 | M16x1,5         | 88  | 33 | 5 | 16,3 | M5x6     |
| 3DS4 32-200/0.55R | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 32-200/0.55  | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 32-200/0.75  | 1    | 0,75 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 40-125/0.37R | 0,5  | 0,37 | 71              | 19 | 22 | 14 | 28 | M16x1,5         | 88  | 33 | 5 | 16,3 | M5x6     |
| 3DS4 40-125/0.37  | 0,5  | 0,37 | 71              | 19 | 22 | 14 | 28 | M16x1,5         | 88  | 33 | 5 | 16,3 | M5x6     |
| 3DS4 40-160/0.55R | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 40-160/0.55  | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 40-200/1.1R  | 1,5  | 1,1  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 40-200/1.1   | 1,5  | 1,1  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 40-200/1.5   | 2    | 1,5  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 50-125/0.55R | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 50-125/0.55  | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 50-160/1.1R  | 1,5  | 1,1  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 50-160/1.1   | 1,5  | 1,1  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 50-200/1.5R  | 2    | 1,5  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 50-200/1.5   | 2    | 1,5  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 50-200/2.2   | 3    | 2,2  | 100             | 22 | 22 | 28 | 43 | M18x1,5         | 153 | 63 | 8 | 31,3 | M8x8     |
| 3DS4 65-125/0.55  | 0,75 | 0,55 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 65-125/0.75  | 1    | 0,75 | 80              | 19 | 22 | 19 | 33 | M16x1,5         | 98  | 43 | 6 | 21,8 | M6x6     |
| 3DS4 65-125/1.1   | 1,5  | 1,1  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 65-160/1.1   | 1,5  | 1,1  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 65-160/1.5   | 2    | 1,5  | 90              | 19 | 22 | 24 | 39 | M16x1,5         | 110 | 53 | 8 | 27,3 | M8x8     |
| 3DS4 65-160/2.2   | 3    | 2,2  | 100             | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63 | 8 | 31,3 | M8x8     |
| 3DS4 65-200/2.2R  | 3    | 2,2  | 100             | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63 | 8 | 31,3 | M8x8     |
| 3DS4 65-200/2.2   | 3    | 2,2  | 100             | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63 | 8 | 31,3 | M8x8     |
| 3DS4 65-200/3     | 4    | 3    | 100             | 19 | 22 | 28 | 43 | M16x1,5         | 122 | 63 | 8 | 31,3 | M8x8     |

# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## JOINT FOR 3DP4 SERIES

4 Poles



## DIMENSIONAL TABLE

| Model             | [HP] | [kW] | Grand.<br>motor | d1 | b1 | Dimensions [mm] |    | b2 | h2   |
|-------------------|------|------|-----------------|----|----|-----------------|----|----|------|
|                   |      |      |                 |    |    | h1              | d2 |    |      |
| 3DP4 32-125/0.25  | 0,33 | 0,25 | 71              | 24 | 8  | 27,3            | 14 | 5  | 16,3 |
| 3DP4 32-160/0.37R | 0,50 | 0,37 | 71              | 24 | 8  | 27,3            | 14 | 5  | 16,3 |
| 3DP4 32-160/0.37  | 0,50 | 0,37 | 71              | 24 | 8  | 27,3            | 14 | 5  | 16,3 |
| 3DP4 32-200/0.55R | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 32-200/0.55  | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 32-200/0.75  | 1,00 | 0,75 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 40-125/0.37R | 0,50 | 0,37 | 71              | 24 | 8  | 27,3            | 14 | 5  | 16,3 |
| 3DP4 40-125/0.37  | 0,50 | 0,37 | 71              | 24 | 8  | 27,3            | 14 | 5  | 16,3 |
| 3DP4 40-160/0.55R | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 40-160/0.55  | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 40-200/1.10R | 1,50 | 1,10 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 40-200/1.10  | 1,50 | 1,10 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 40-200/1.50  | 2,00 | 1,50 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 50-125/0.55R | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 50-125/0.55  | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 50-160/1.10R | 1,50 | 1,10 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 50-160/1.10  | 1,50 | 1,10 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 50-200/1.50R | 2,00 | 1,50 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 50-200/1.50  | 2,00 | 1,50 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 50-200/2.20  | 3,00 | 2,20 | 100             | 24 | 8  | 27,3            | 28 | 8  | 31,3 |
| 3DP4 65-125/0.55  | 0,75 | 0,55 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 65-125/0.75  | 1,00 | 0,75 | 80              | 24 | 8  | 27,3            | 19 | 6  | 21,8 |
| 3DP4 65-125/1.10  | 1,50 | 1,10 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 65-160/1.10  | 1,50 | 1,10 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 65-160/1.50  | 2,00 | 1,50 | 90              | 24 | 8  | 27,3            | 24 | 8  | 27,3 |
| 3DP4 65-160/2.20  | 3,00 | 2,20 | 100             | 24 | 8  | 27,3            | 28 | 8  | 31,3 |
| 3DP4 65-200/2.20R | 3,00 | 2,20 | 100             | 24 | 8  | 27,3            | 28 | 8  | 31,3 |
| 3DP4 65-200/2.20  | 3,00 | 2,20 | 100             | 24 | 8  | 27,3            | 28 | 8  | 31,3 |
| 3DP4 65-200/3.00  | 4,00 | 3,00 | 100             | 24 | 8  | 27,3            | 28 | 8  | 31,3 |

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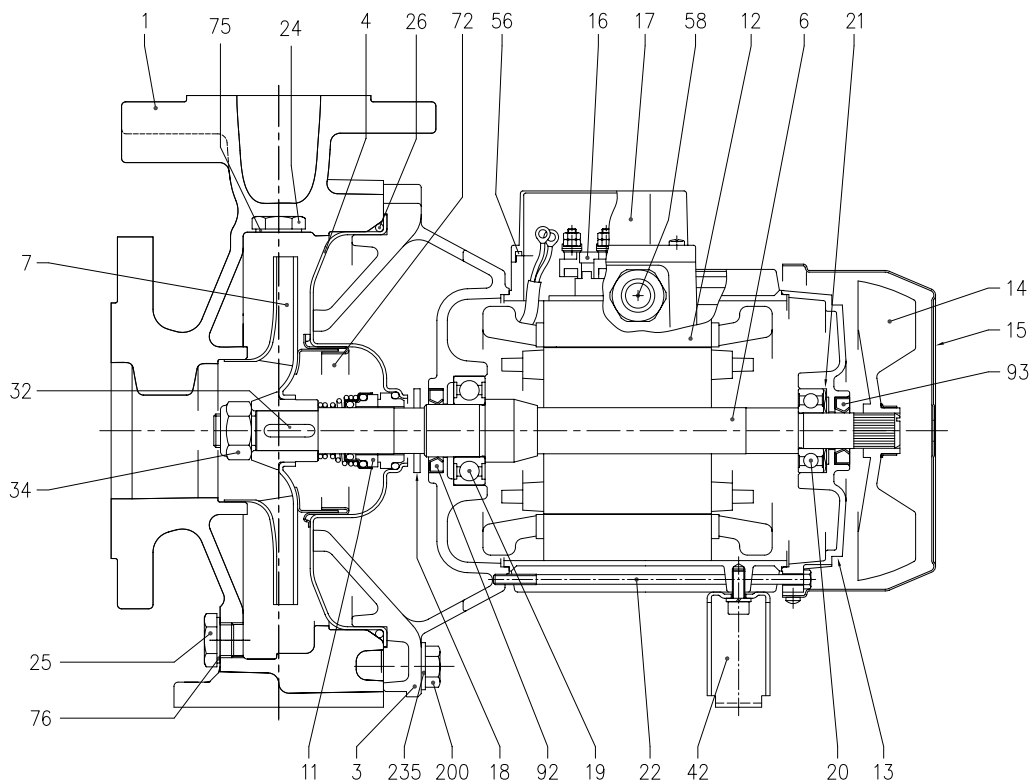


# 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

## SECTIONAL VIEW 3D4 SERIES

4 Poles



## MATERIALS TABLE

| Rif. | Name                                         | Material                                 | Rif. | Name                | Material                             |
|------|----------------------------------------------|------------------------------------------|------|---------------------|--------------------------------------|
| 001  | Pump body                                    | Cast iron EN-GJL-250-EN 1561[1]          | 022  | Tie rod             | Fe 42 Galvanised                     |
| 003  | Motor support                                | [1]                                      | 024  | Filler plug         | Brass                                |
| 004  | Seal housing disc                            | EN 1.4301 (AISI 304)                     | 025  | Discharge plug      | Brass                                |
| 006  | Shaft (part coming into contact with liquid) | EN 1.4301 (AISI 304)                     | 026  | O-ring              | NBR [3]                              |
| 007  | Impeller                                     | [2]                                      | 032  | Key                 | EN 1.4401 (AISI 316)                 |
| 011  | Mechanical seal                              | Ceramic/Carbon/NBR                       | 034  | Impeller nut        | EN 1.4301 (AISI 304)                 |
| 012  | Motor casing                                 | -                                        | 042  | Foot                | Aluminium / Galvanised steel         |
| 013  | Motor cover                                  | Aluminium                                | 056  | Terminal block seal | NBR                                  |
| 014  | Fan                                          | PA                                       | 058  | Cable gland         | -                                    |
| 015  | Fan cover                                    | Fe P04 Galvanised                        | 072  | Wear ring [4]       | EN 1.4301 (AISI 304)                 |
| 016  | Terminal block                               | -                                        | 075  | Washer              | Aluminium                            |
| 017  | Terminal block cover                         | Aluminium (for three-phase version only) | 076  | Washer              | Aluminium                            |
| 018  | Splash guard washer                          | NBR                                      | 092  | Sealing ring        | -                                    |
| 019  | Bearing (pump side)                          | -                                        | 093  | Sealing ring        | -                                    |
| 020  | Bearing (motor side)                         | -                                        | 200  | Screw               | Galvanised steel 8.8 class ISO 898-1 |
| 021  | Adjusting ring                               | Steel C70                                | 235  | Washer              | Galvanised steel                     |

[1]= Aluminium AL-EN-1706-AC-46000-D for SERIES 3D4 50-200/2.2, 65-125/0.75 and 1.1, 65-160/2.2, 65-200/2.2 and 3 kW; cast iron EN-GJL-200-EN 1561 for the remaining models of the range

[2]= EN 1.4301 (AISI 304) for SERIES 3D4 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3D4 65

[3]= FPM for versions H, HS, HW, HSW; EPDM for version E

[4]= Only for SERIES 3D4 32-200, 40-200, 50-160, 50-200

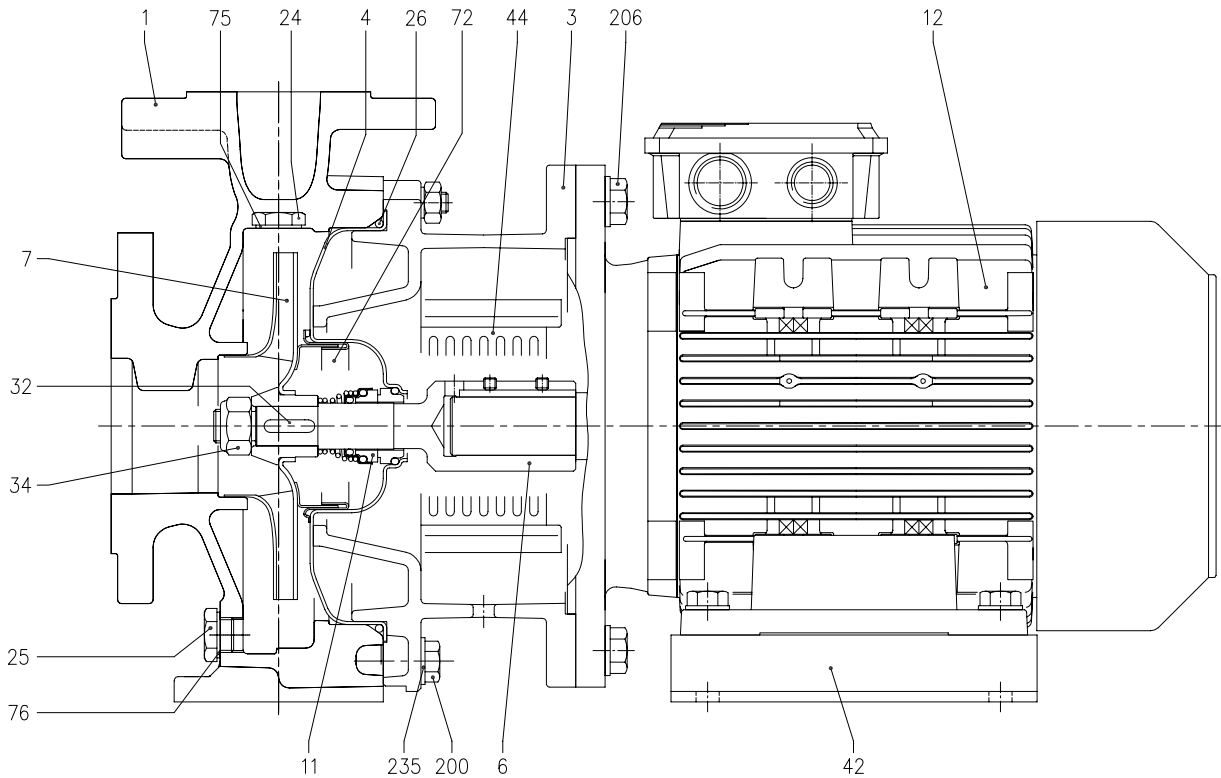


## 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

### SECTIONAL VIEW 3DS4 SERIES

4 Poles



### MATERIALS TABLE

| Rif. | Name                                         | Material                             |
|------|----------------------------------------------|--------------------------------------|
| 001  | Pump body                                    | Cast iron EN-GJL-250-EN 1561         |
| 003  | Motor support                                | Cast iron EN-GJL-250-EN 1561         |
| 004  | Seal housing disc                            | EN 1.4301 (AISI 304)                 |
| 006  | Joint (part coming into contact with liquid) | EN 1.4301 (AISI 304)                 |
| 007  | Impeller                                     | [1]                                  |
| 011  | Mechanical seal                              | Ceramic/Carbon/NBR                   |
| 012  | Motor                                        | -                                    |
| 024  | Filler plug                                  | Brass                                |
| 025  | Discharge plug                               | Brass                                |
| 026  | O-ring                                       | NBR [2]                              |
| 032  | Key                                          | EN 1.4401 (AISI 316)                 |
| 034  | Impeller nut                                 | EN 1.4301 (AISI 304)                 |
| 042  | Foot                                         | Galvanised steel                     |
| 044  | Support protection                           | EN 1.4301 (AISI 304)                 |
| 072  | Wear ring [3]                                | EN 1.4301 (AISI 304)                 |
| 075  | Washer                                       | Aluminium                            |
| 076  | Washer                                       | Aluminium                            |
| 200  | Screw                                        | Galvanised steel 8.8 class ISO 898-1 |
| 206  | Screw (support)                              | Galvanised steel 8.8 class ISO 898-1 |
| 235  | Washer                                       | Galvanised steel                     |

[1]= EN 1.4301 (AISI 304) for models SERIES 3DS4 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3DS4 65

[2]= FPM for versions H, HS, HW, HSW; EPDM for version E

[3]= Only for SERIES 3DS4 32-200, 40-200, 50-160, 50-200

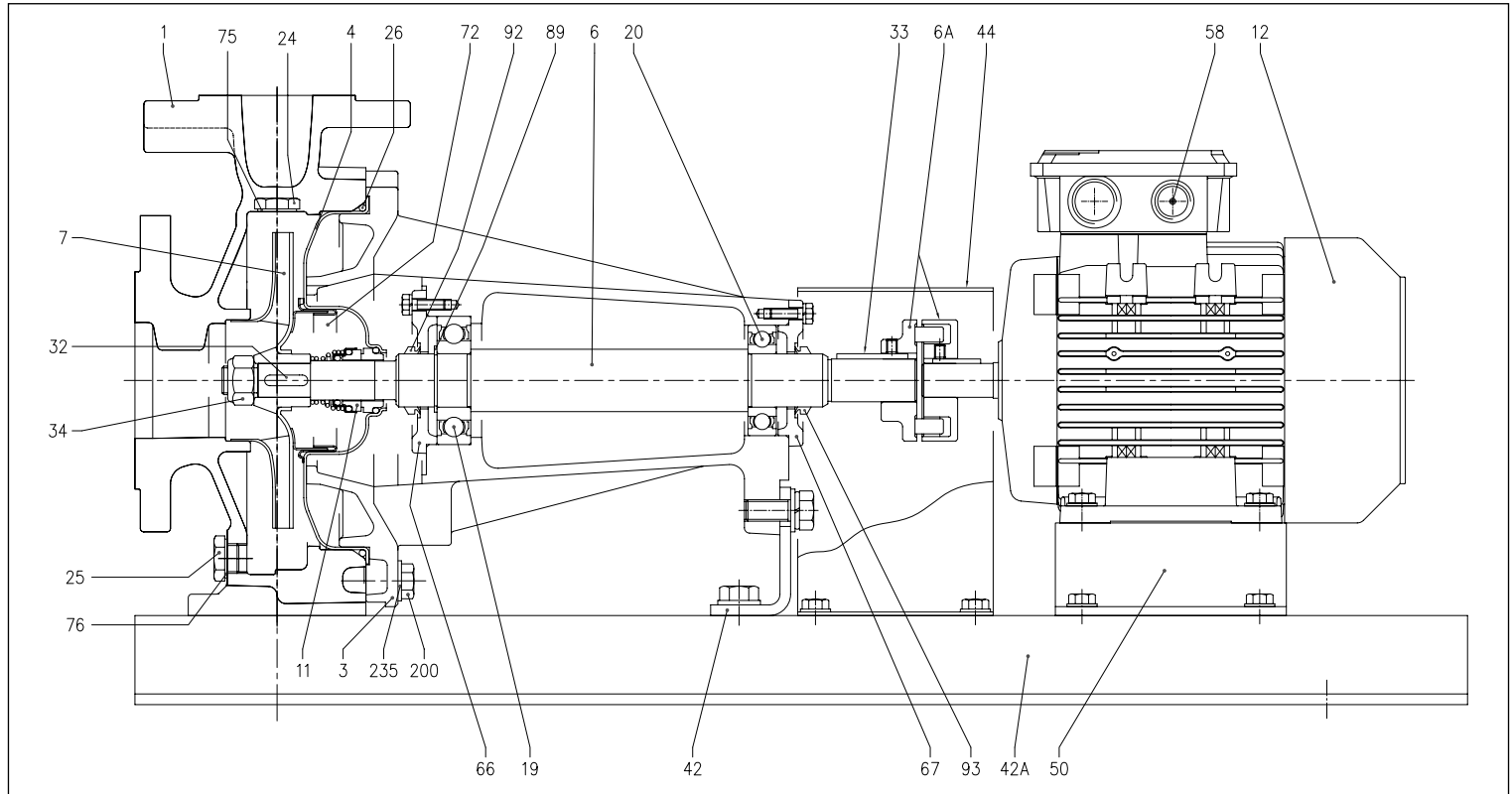
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## 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

### SECTIONAL VIEW 3DP4 SERIES

4 Poles



### MATERIALS TABLE

| Rif. | Name              | Material                     | Rif. | Name          | Material                             |
|------|-------------------|------------------------------|------|---------------|--------------------------------------|
| 001  | Pump body         | Cast iron EN-GJL-250-EN 1561 | 034  | Impeller nut  | EN 1.4301 (AISI 304)                 |
| 003  | Motor support     | Cast iron EN-GJL-250-EN 1561 | 042  | Pump support  | Fe 37 Galvanised                     |
| 004  | Seal housing disc | EN 1.4301 (AISI 304)         | 042A | Base          | Fe 37 Galvanised                     |
| 006  | Rotor shaft       | EN 1.4301 (AISI 304)         | 050  | Foot          | Aluminium / Galvanised steel         |
| 006A | Flexible joint    | Cast iron EN-GJL-250-EN 1561 | 058  | Cable gland   | -                                    |
| 007  | Impeller          | [1]                          | 066  | Support cover | Cast iron EN-GJL-250-EN 1561         |
| 011  | Mechanical seal   | Ceramic/Carbon/NBR           | 067  | Support cover | Cast iron EN-GJL-250-EN 1561         |
| 012  | Motor casing      | -                            | 072  | Wear ring [3] | EN 1.4301 (AISI 304)                 |
| 019  | Bearing           | -                            | 075  | Washer        | Aluminium                            |
| 020  | Bearing           | -                            | 076  | Washer        | Aluminium                            |
| 024  | Filler plug       | Brass                        | 089  | Seeger ring   | Carbon steel TC 80                   |
| 025  | Discharge plug    | Brass                        | 092  | Sealing ring  | -                                    |
| 026  | O-ring            | NBR [2]                      | 093  | Sealing ring  | -                                    |
| 032  | Key               | EN 1.4401 (AISI 316)         | 200  | Screw         | Galvanised steel 8.8 class ISO 898-1 |
| 033  | Key               | C40                          | 235  | Washer        | Galvanised steel                     |

[1]= EN 1.4301 (AISI 304) for models SERIES 3DP4 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3DP4 65

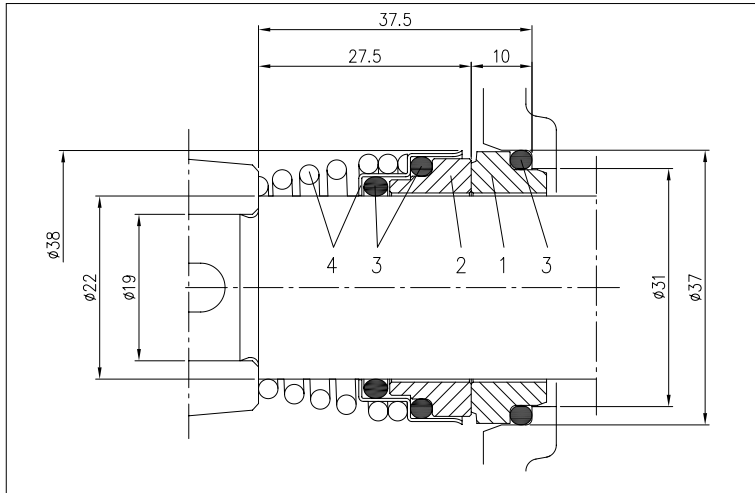
[2]= FPM for versions H, HS, HW, HSW; EPDM for version E

[3]= Only for SERIES 3DP4 32-200, 40-200, 50-160, 50-200

## 3D SERIES

### NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

#### MECHANICAL SEAL standard version



#### MATERIALS TABLE

| Rif. | Name           | Material             |
|------|----------------|----------------------|
| 1    | Fixed part     | Carbon               |
| 2    | Rotary part    | Ceramic              |
| 3    | Seal           | NBR                  |
| 4    | Frame + spring | EN 1.4401 (AISI 316) |

#### SPECIAL MECHANICAL SEALS (on request)

| Rif. | Name           | Material             |                        |                      |                      |                      |
|------|----------------|----------------------|------------------------|----------------------|----------------------|----------------------|
|      |                | Version H            | Version HS             | Version HW           | Version HSW          | Version E            |
| 1    | Fixed part     | Carbon               | SiC                    | Tungsten carbide     | Tungsten carbide     | Carbon               |
| 2    | Rotary part    | Ceramic              | SiC                    | Tungsten carbide     | SiC                  | Ceramic              |
| 3    | Seal           | FPM                  | FPM                    | FPM                  | FPM                  | EPDM                 |
| 4    | Frame + spring | EN 1.4401 (AISI 316) | EN 1.4571 (AISI 316Ti) | EN 1.4401 (AISI 316) | EN 1.4401 (AISI 316) | EN 1.4401 (AISI 316) |

## 3D SERIES

**NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS  
CONFORMING TO EN 733 (EX DIN 24255)**

**ELECTRIC DATA TABLE 3D4 SERIES**

**4 Poles**

| Model<br>Three-phase<br>230/400V | P <sub>i</sub> |      | Efficiency | Efficiency(%)<br>Three-phase |            |      | P <sub>i</sub><br>[kW] | Absorbed Current<br>[A]<br>Three-phase |      |
|----------------------------------|----------------|------|------------|------------------------------|------------|------|------------------------|----------------------------------------|------|
|                                  | [HP]           | [kW] |            | 50%                          | η %<br>75% | 100% |                        | 230V                                   | 400V |
| 3D4 32-125/0.25                  | 0,33           | 0,25 | -          | -                            | -          | -    | 0,55                   | 1,9                                    | 1,1  |
| 3D4 32-160/0.37R                 | 0,5            | 0,37 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 32-160/0.37                  | 0,5            | 0,37 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 32-200/0.55R                 | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 32-200/0.55                  | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 32-200/0.75                  | 1              | 0,75 | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 40-125/0.37R                 | 0,5            | 0,37 | -          | -                            | -          | -    | 0,55                   | 1,9                                    | 1,1  |
| 3D4 40-125/0.37                  | 0,5            | 0,37 | -          | -                            | -          | -    | 0,55                   | 1,9                                    | 1,1  |
| 3D4 40-160/0.55R                 | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 40-160/0.55                  | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 40-200/1.1R                  | 1,5            | 1,1  | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 40-200/1.1                   | 1,5            | 1,1  | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 40-200/1.5                   | 2              | 1,5  | IE2        | 80,3                         | 83,4       | 83,8 | 1,88                   | 6,2                                    | 3,6  |
| 3D4 50-125/0.55R                 | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 50-125/0.55                  | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 50-160/1.1R                  | 1,5            | 1,1  | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 50-160/1.1                   | 1,5            | 1,1  | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 50-200/1.5R                  | 2              | 1,5  | IE2        | 80,3                         | 83,4       | 83,8 | 1,88                   | 6,2                                    | 3,6  |
| 3D4 50-200/1.5                   | 2              | 1,5  | IE2        | 80,3                         | 83,4       | 83,8 | 1,88                   | 6,2                                    | 3,6  |
| 3D4 50-200/2.2                   | 3              | 2,2  | IE2        | 84,6                         | 86,0       | 85,6 | 2,70                   | 8,1                                    | 4,7  |
| 3D4 65-125/0.55                  | 0,75           | 0,55 | -          | -                            | -          | -    | 0,80                   | 2,6                                    | 1,5  |
| 3D4 65-125/0.75                  | 1              | 0,75 | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 65-125/1.1                   | 1,5            | 1,1  | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 65-160/1.1                   | 1,5            | 1,1  | IE2        | 78,4                         | 81,6       | 81,9 | 1,41                   | 4,6                                    | 2,7  |
| 3D4 65-160/1.5                   | 2              | 1,5  | IE2        | 80,3                         | 83,4       | 83,8 | 1,88                   | 6,2                                    | 3,6  |
| 3D4 65-160/2.2                   | 3              | 2,2  | IE2        | 84,6                         | 86,0       | 85,6 | 2,70                   | 8,1                                    | 4,7  |
| 3D4 65-200/2.2R                  | 3              | 2,2  | IE2        | 84,6                         | 86,0       | 85,6 | 2,70                   | 8,1                                    | 4,7  |
| 3D4 65-200/2.2                   | 3              | 2,2  | IE2        | 84,6                         | 86,0       | 85,6 | 2,70                   | 8,1                                    | 4,7  |
| 3D4 65-200/3                     | 4              | 3    | IE2        | 81,6                         | 86,1       | 89,0 | 3,54                   | 11,8                                   | 6,8  |

# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

ELECTRIC DATA TABLE 3DS - 3DP SERIES

4 Poles

| Model                                  |                                        | Motor Size | P <sub>i</sub> |      | Efficiency | Efficiency(%)<br>Three-phase |            |      | P <sub>i</sub><br>[kW] | Absorbed Current<br>[A]<br>Three-phase |      |
|----------------------------------------|----------------------------------------|------------|----------------|------|------------|------------------------------|------------|------|------------------------|----------------------------------------|------|
| 3DS4 SERIES<br>Three-phase<br>230/400V | 3DP4 SERIES<br>Three-phase<br>230/400V |            | [HP]           | [kW] |            | 50%                          | η %<br>75% | 100% |                        | 230V                                   | 400V |
|                                        |                                        |            |                |      |            |                              |            |      |                        |                                        |      |
| 3DS4 32-125/0.25                       | 3DP4 32-125/0.25                       | 71         | 0,33           | 0,25 | -          | 55,0                         | 59,0       | 64,0 | 0,41                   | 1,6                                    | 0,9  |
| 3DS4 32-160/0.37R                      | 3DP4 32-160/0.37R                      |            | 0,5            | 0,37 | -          | 60,0                         | 63,0       | 67,0 | 0,56                   | 2,1                                    | 1,2  |
| 3DS4 32-160/0.37                       | 3DP4 32-160/0.37                       |            | 0,5            | 0,37 | -          | 60,0                         | 63,0       | 67,0 | 0,56                   | 2,1                                    | 1,2  |
| 3DS4 32-200/0.55R                      | 3DP4 32-200/0.55R                      | 80         | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 32-200/0.55                       | 3DP4 32-200/0.55                       |            | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 32-200/0.75                       | 3DP4 32-200/0.75                       |            | 1              | 0,75 | IE2        | 79,2                         | 80,3       | 80,2 | 0,95                   | 3,1                                    | 1,8  |
| 3DS4 32-200/0.75                       | 3DP4 32-200/0.75                       |            |                | IE3  | 80,7       | 81,5                         | 82,5       | 0,92 | 3,1                    | 1,8                                    |      |
| 3DS4 40-125/0.37R                      | 3DP4 40-125/0.37R                      | 71         | 0,5            | 0,37 | -          | 60,0                         | 63,0       | 67,0 | 0,56                   | 2,1                                    | 1,2  |
| 3DS4 40-125/0.37                       | 3DP4 40-125/0.37                       |            | 0,5            | 0,37 | -          | 60,0                         | 63,0       | 67,0 | 0,56                   | 2,1                                    | 1,2  |
| 3DS4 40-160/0.55R                      | 3DP4 40-160/0.55R                      | 80         | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 40-160/0.55                       | 3DP4 40-160/0.55                       |            | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 40-200/1.1R                       | 3DP4 40-200/1.1R                       | 90L        | 1,5            | 1,1  | IE2        | 81,4                         | 82,7       | 82,5 | 1,33                   | 4,3                                    | 2,5  |
| 3DS4 40-200/1.1R                       | 3DP4 40-200/1.1R                       |            |                |      | IE3        | 83,3                         | 84,3       | 84,1 | 1,30                   | 4,3                                    | 2,5  |
| 3DS4 40-200/1.1                        | 3DP4 40-200/1.1                        |            | 1,5            | 1,1  | IE2        | 81,4                         | 82,7       | 82,5 | 1,33                   | 4,3                                    | 2,5  |
| 3DS4 40-200/1.1                        | 3DP4 40-200/1.1                        |            |                |      | IE3        | 83,3                         | 84,3       | 84,1 | 1,30                   | 4,3                                    | 2,5  |
| 3DS4 40-200/1.5                        | 3DP4 40-200/1.5                        |            | 2              | 1,5  | IE2        | 82,0                         | 83,5       | 83,0 | 1,81                   | 5,9                                    | 3,4  |
| 3DS4 40-200/1.5                        | 3DP4 40-200/1.5                        |            |                |      | IE3        | 84,1                         | 85,2       | 85,3 | 1,80                   | 6,2                                    | 3,6  |
| 3DS4 50-125/0.55R                      | 3DP4 50-125/0.55R                      | 80         | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 50-125/0.55                       | 3DP4 50-125/0.55                       |            | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 50-160/1.1R                       | 3DP4 50-160/1.1R                       | 90L        | 1,5            | 1,1  | IE2        | 81,4                         | 82,7       | 82,5 | 1,33                   | 4,3                                    | 2,5  |
| 3DS4 50-160/1.1R                       | 3DP4 50-160/1.1R                       |            |                |      | IE3        | 83,3                         | 84,3       | 84,1 | 1,30                   | 4,3                                    | 2,5  |
| 3DS4 50-160/1.1                        | 3DP4 50-160/1.1                        |            | 1,5            | 1,1  | IE2        | 81,4                         | 82,7       | 82,5 | 1,33                   | 4,3                                    | 2,5  |
| 3DS4 50-160/1.1                        | 3DP4 50-160/1.1                        |            |                |      | IE3        | 83,3                         | 84,3       | 84,1 | 1,30                   | 4,3                                    | 2,5  |
| 3DS4 50-200/1.5R                       | 3DP4 50-200/1.5R                       |            | 2              | 1,5  | IE2        | 82,0                         | 83,5       | 83,0 | 1,81                   | 5,9                                    | 3,4  |
| 3DS4 50-200/1.5R                       | 3DP4 50-200/1.5R                       |            |                |      | IE3        | 84,1                         | 85,2       | 85,3 | 1,80                   | 6,2                                    | 3,6  |
| 3DS4 50-200/1.5                        | 3DP4 50-200/1.5                        | 2          | 1,5            | IE2  | 82,0       | 83,5                         | 83,0       | 1,81 | 5,9                    | 3,4                                    |      |
| 3DS4 50-200/1.5                        | 3DP4 50-200/1.5                        |            |                | IE3  | 84,1       | 85,2                         | 85,3       | 1,80 | 6,2                    | 3,6                                    |      |
| 3DS4 50-200/2.2                        | 3DP4 50-200/2.2                        | 100L       | 3              | 2,2  | IE2        | 84,0                         | 85,3       | 85,1 | 2,61                   | 8,8                                    | 5,1  |
| 3DS4 50-200/2.2                        | 3DP4 50-200/2.2                        |            |                |      | IE3        | 83,2                         | 86,2       | 86,7 | 2,58                   | 10,2                                   | 5,9  |
| 3DS4 65-125/0.55                       | 3DP4 65-125/0.55                       | 80         | 0,75           | 0,55 | -          | 67,0                         | 69,0       | 70,0 | 0,80                   | 2,8                                    | 1,6  |
| 3DS4 65-125/0.75                       | 3DP4 65-125/0.75                       |            | 1              | 0,75 | IE2        | 79,2                         | 80,3       | 80,2 | 0,95                   | 3,1                                    | 1,8  |
| 3DS4 65-125/0.75                       | 3DP4 65-125/0.75                       |            |                |      | IE3        | 80,7                         | 81,5       | 82,5 | 0,92                   | 3,1                                    | 1,8  |
| 3DS4 65-125/1.1                        | 3DP4 65-125/1.1                        | 90L        | 1,5            | 1,1  | IE2        | 81,4                         | 82,7       | 82,5 | 1,33                   | 4,3                                    | 2,5  |
| 3DS4 65-125/1.1                        | 3DP4 65-125/1.1                        |            |                |      | IE3        | 83,3                         | 84,3       | 84,1 | 1,30                   | 4,3                                    | 2,5  |
| 3DS4 65-160/1.1                        | 3DP4 65-160/1.1                        |            | 1,5            | 1,1  | IE2        | 81,4                         | 82,7       | 82,5 | 1,33                   | 4,3                                    | 2,5  |
| 3DS4 65-160/1.1                        | 3DP4 65-160/1.1                        |            |                |      | IE3        | 83,3                         | 84,3       | 84,1 | 1,30                   | 4,3                                    | 2,5  |
| 3DS4 65-160/1.5                        | 3DP4 65-160/1.5                        |            | 2              | 1,5  | IE2        | 82,0                         | 83,5       | 83,0 | 1,81                   | 5,9                                    | 3,4  |
| 3DS4 65-160/1.5                        | 3DP4 65-160/1.5                        |            |                |      | IE3        | 84,1                         | 85,2       | 85,3 | 1,80                   | 6,2                                    | 3,6  |
| 3DS4 65-160/2.2                        | 3DP4 65-160/2.2                        | 100L       | 3              | 2,2  | IE2        | 84,0                         | 85,3       | 85,1 | 2,61                   | 8,8                                    | 5,1  |
| 3DS4 65-160/2.2                        | 3DP4 65-160/2.2                        |            |                |      | IE3        | 83,2                         | 86,2       | 86,7 | 2,58                   | 10,2                                   | 5,9  |
| 3DS4 65-200/2.2R                       | 3DP4 65-200/2.2R                       |            | 3              | 2,2  | IE2        | 84,0                         | 85,3       | 85,1 | 2,61                   | 8,8                                    | 5,1  |
| 3DS4 65-200/2.2R                       | 3DP4 65-200/2.2R                       |            |                |      | IE3        | 83,2                         | 86,2       | 86,7 | 2,58                   | 10,2                                   | 5,9  |
| 3DS4 65-200/2.2                        | 3DP4 65-200/2.2                        |            | 3              | 2,2  | IE2        | 84,0                         | 85,3       | 85,1 | 2,61                   | 8,8                                    | 5,1  |
| 3DS4 65-200/2.2                        | 3DP4 65-200/2.2                        |            |                |      | IE3        | 83,2                         | 86,2       | 86,7 | 2,58                   | 10,2                                   | 5,9  |
| 3DS4 65-200/3                          | 3DP4 65-200/3                          |            | 4              | 3    | IE2        | 85,3                         | 86,6       | 86,4 | 3,47                   | 11,3                                   | 6,5  |
| 3DS4 65-200/3                          | 3DP4 65-200/3                          |            |                |      | IE3        | 85,1                         | 87,1       | 87,7 | 3,44                   | 11,8                                   | 6,8  |

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# 3D SERIES

## NORMALISED AND MONOBLOCK CENTRIFUGAL ELECTROPUMPS CONFORMING TO EN 733 (EX DIN 24255)

NOISE DATA TABLE 3D4 SERIES

4 Poles

| Model            | P <sub>2</sub> |      | L <sub>pa</sub> - dB(A)* |
|------------------|----------------|------|--------------------------|
|                  | [HP]           | [kW] |                          |
| 3D4              |                |      |                          |
| 3D4 32-125/0.25  | 0,33           | 0,25 | <70                      |
| 3D4 32-160/0.37R | 0,5            | 0,37 |                          |
| 3D4 32-160/0.37  | 0,5            | 0,37 |                          |
| 3D4 32-200/0.55R | 0,75           | 0,55 |                          |
| 3D4 32-200/0.55  | 0,75           | 0,55 |                          |
| 3D4 32-200/0.75  | 1              | 0,75 |                          |
| 3D4 40-125/0.37R | 0,5            | 0,37 |                          |
| 3D4 40-125/0.37  | 0,5            | 0,37 |                          |
| 3D4 40-160/0.55R | 0,75           | 0,55 |                          |
| 3D4 40-160/0.55  | 0,75           | 0,55 |                          |
| 3D4 40-200/1.10R | 1,5            | 1,1  |                          |
| 3D4 40-200/1.10  | 1,5            | 1,1  |                          |
| 3D4 40-200/1.50  | 2              | 1,5  |                          |
| 3D4 50-125/0.55R | 0,75           | 0,55 |                          |
| 3D4 50-125/0.55  | 0,75           | 0,55 |                          |
| 3D4 50-160/1.10R | 1,5            | 1,1  |                          |
| 3D4 50-160/1.10  | 1,5            | 1,1  |                          |
| 3D4 50-200/1.50R | 2              | 1,5  |                          |
| 3D4 50-200/1.50  | 2              | 1,5  |                          |
| 3D4 50-200/2.20  | 3              | 2,20 |                          |
| 3D4 65-125/0.55  | 0,75           | 0,55 |                          |
| 3D4 65-125/0.75  | 1              | 0,75 |                          |
| 3D4 65-125/1.10  | 1,5            | 1,1  |                          |
| 3D4 65-160/1.10  | 1,5            | 1,1  |                          |
| 3D4 65-160/1.50  | 2              | 1,5  |                          |
| 3D4 65-160/2.20  | 3              | 2,20 |                          |
| 3D4 65-200/2.20R | 3              | 2,20 |                          |
| 3D4 65-200/2.20  | 3              | 2,20 |                          |
| 3D4 65-200/3.00  | 4              | 3    |                          |

\* Mean value of several measures at 1m distance around the pump.  
Tolerance ± 2.5 dB.

NOISE DATA TABLE 3DS4 - 3DP4 SERIES

4 Poles

| Model             |                   | P <sub>2</sub> |      | L <sub>pa</sub> - dB(A)* |
|-------------------|-------------------|----------------|------|--------------------------|
| 3DS4              | 3DP4              | [HP]           | [kW] |                          |
| 3DS4              |                   |                |      |                          |
| 3DS4              |                   |                |      |                          |
| 3DS4 32-125/0.25  | 3DP4 32-125/0.25  | 0,33           | 0,25 | <70                      |
| 3DS4 32-160/0.37R | 3DP4 32-160/0.37R | 0,5            | 0,37 |                          |
| 3DS4 32-160/0.37  | 3DP4 32-160/0.37  | 0,5            | 0,37 |                          |
| 3DS4 32-200/0.55R | 3DP4 32-200/0.55R | 0,75           | 0,55 |                          |
| 3DS4 32-200/0.55  | 3DP4 32-200/0.55  | 0,75           | 0,55 |                          |
| 3DS4 32-200/0.75  | 3DP4 32-200/0.75  | 1              | 0,75 |                          |
| 3DS4 40-125/0.37R | 3DP4 40-125/0.37R | 0,5            | 0,37 |                          |
| 3DS4 40-125/0.37  | 3DP4 40-125/0.37  | 0,5            | 0,37 |                          |
| 3DS4 40-160/0.55R | 3DP4 40-160/0.55R | 0,75           | 0,55 |                          |
| 3DS4 40-160/0.55  | 3DP4 40-160/0.55  | 0,75           | 0,55 |                          |
| 3DS4 40-200/1.10R | 3DP4 40-200/1.10R | 1,5            | 1,1  |                          |
| 3DS4 40-200/1.10  | 3DP4 40-200/1.10  | 1,5            | 1,1  |                          |
| 3DS4 40-200/1.50  | 3DP4 40-200/1.50  | 2              | 1,5  |                          |
| 3DS4 50-125/0.55R | 3DP4 50-125/0.55R | 0,75           | 0,55 |                          |
| 3DS4 50-125/0.55  | 3DP4 50-125/0.55  | 0,75           | 0,55 |                          |
| 3DS4 50-160/1.10R | 3DP4 50-160/1.10R | 1,5            | 1,1  |                          |
| 3DS4 50-160/1.10  | 3DP4 50-160/1.10  | 1,5            | 1,1  |                          |
| 3DS4 50-200/1.50R | 3DP4 50-200/1.50R | 2              | 1,5  |                          |
| 3DS4 50-200/1.50  | 3DP4 50-200/1.50  | 2              | 1,5  |                          |
| 3DS4 50-200/2.20  | 3DP4 50-200/2.20  | 3              | 2,20 |                          |
| 3DS4 65-125/0.55  | 3DP4 65-125/0.55  | 0,75           | 0,55 |                          |
| 3DS4 65-125/0.75  | 3DP4 65-125/0.75  | 1              | 0,75 |                          |
| 3DS4 65-125/1.10  | 3DP4 65-125/1.10  | 1,5            | 1,1  |                          |
| 3DS4 65-160/1.10  | 3DP4 65-160/1.10  | 1,5            | 1,1  |                          |
| 3DS4 65-160/1.50  | 3DP4 65-160/1.50  | 2              | 1,5  |                          |
| 3DS4 65-160/2.20  | 3DP4 65-160/2.20  | 3              | 2,20 |                          |
| 3DS4 65-200/2.20R | 3DP4 65-200/2.20R | 3              | 2,20 |                          |
| 3DS4 65-200/2.20  | 3DP4 65-200/2.20  | 3              | 2,20 |                          |
| 3DS4 65-200/3.00  | 3DP4 65-200/3.00  | 4              | 3    |                          |

\* Mean value of several measures at 1m distance around the pump.  
Tolerance ± 2.5 dB.