

## 3D SERIES

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

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

#### 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 DETAILS

- Highly robust construction
- Stainless steel impeller
- High efficiency

#### PUMP TECHNICAL DATA

- Maximum working 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 see our Data Book on the web site [www.ebara-europe.com](http://www.ebara-europe.com)

#### MOTOR TECHNICAL DATA

- High efficiency motors
- IE2 starting from 0.75kW up to 5.5kW
  - IE3 starting from 0.75kW (starting from 7.5kW for 3D4)
  - Self-ventilated 2-pole and 4-pole asynchronous motors
  - Class of insulation F (B for high temperatures)
  - IP 55 protection degree
  - 230V ±10% 50Hz single phase voltage, 230/400 ±10% three-phase voltage (up to 4 kW included), 50 Hz, 400/690V ± 10% (from 5.5 kW and above) three phase voltage, 50 Hz
  - Protection to be arranged by the user

#### MATERIALS

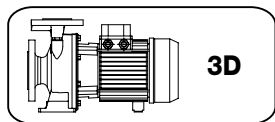
- Cast iron pump body EN-GJL-250-EN 1561
- Impeller in:
  - AISI 304 steel for SERIES 3D 32, 40, 50
  - AISI 316 microcast steel for SERIES 3D 65
- AISI 304 steel shaft (part in contact with the liquid)
- Mechanical seal in:
  - Ceramic/Carbon/NBR (standard)
  - Special versions: see p. 165 for 3D SERIES 2 poles, p. 192 for 3D SERIES 4 poles

#### SPECIAL VERSIONS

- Special voltages
- 3DPF version (only hydraulic part) available upon request

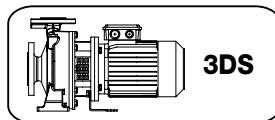


#### Available in 3 versions with 2 and 4 pole motors



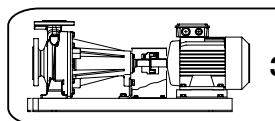
**3D**

Monobloc with extended motor shaft



**3DS**

Monobloc with standard motor and rigid joint



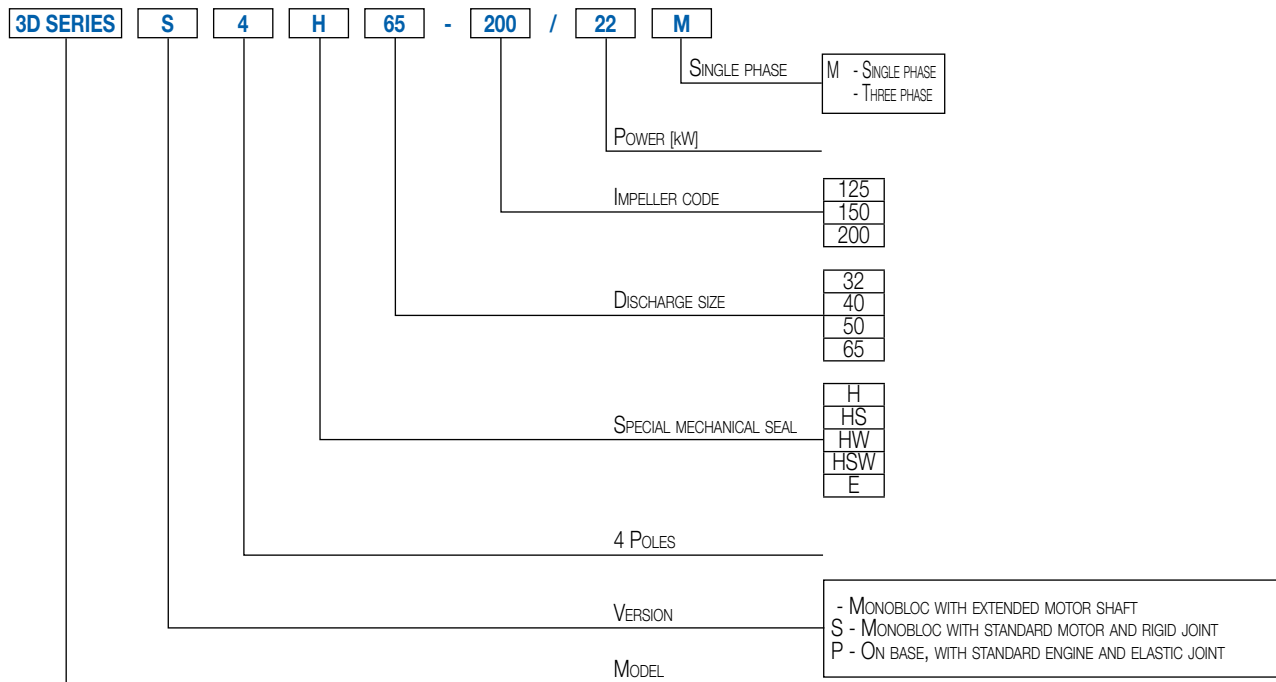
**3DP**

On base, with standard motor and flexible coupling

# 3D SERIES

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

### IDENTIFICATION CODE

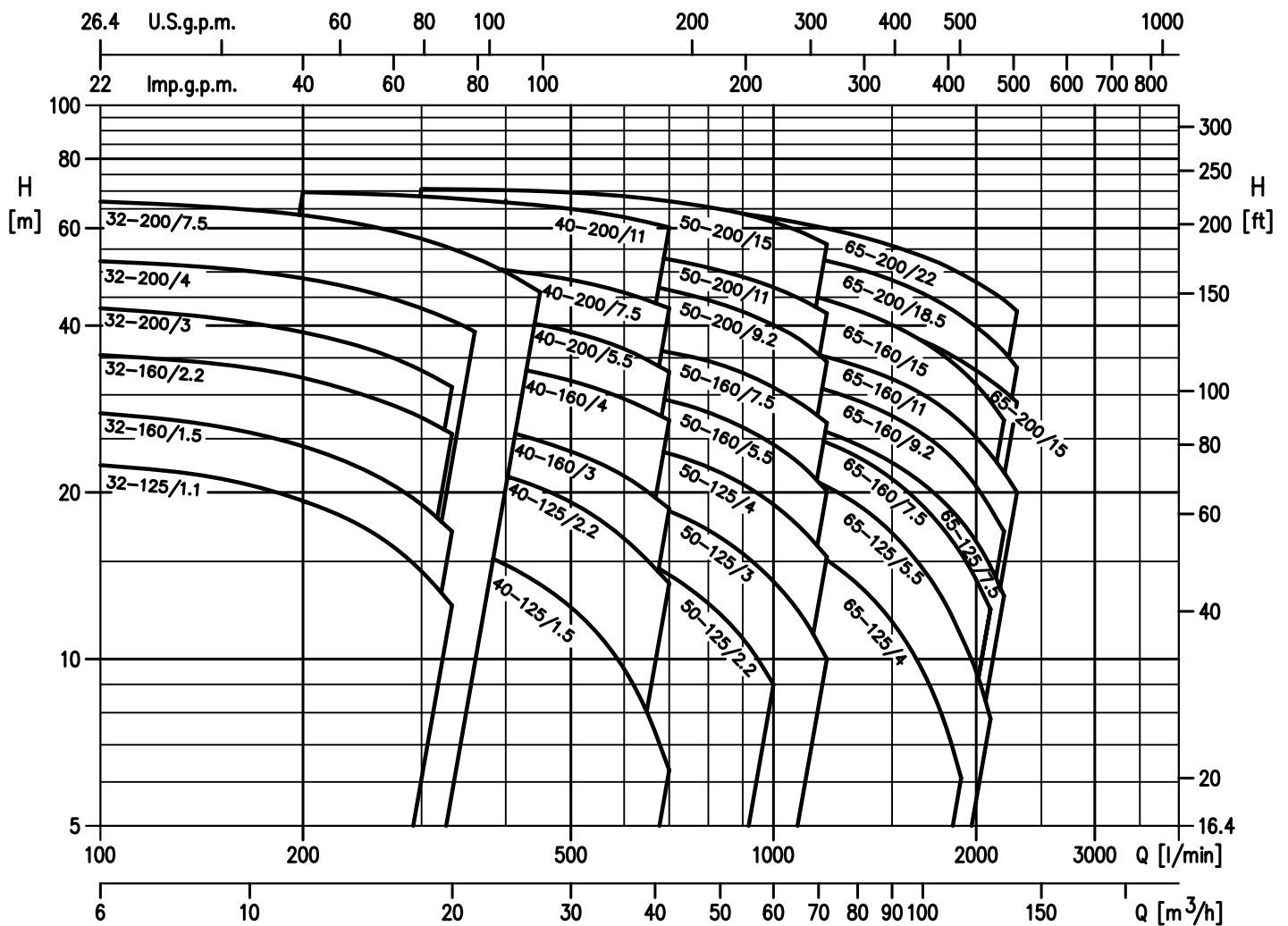


# 3D SERIES

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

**PERFORMANCE RANGE** at  $2900 \text{ min}^{-1}$  (according to ISO 9906 Attachment A)

**2 Poles**



# 3D SERIES

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

PERFORMANCE CHART 3D(.) SERIES 32

2 Poles

| Model                | P <sub>2</sub> |      | Q = Flow Rate |          |          |           |           |           |           |             |           |           |
|----------------------|----------------|------|---------------|----------|----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|
|                      | [HP]           | [kW] | H=Head [m]    |          |          |           |           |           |           |             |           |           |
|                      |                |      | l/min<br>m³/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 |
| 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      |

PERFORMANCE CHART 3D(.) SERIES 40

2 Poles

| Model                | P <sub>2</sub> |      | Q = Flow Rate |           |           |           |           |           |           |           |           |           |
|----------------------|----------------|------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                      | [HP]           | [kW] | H=Head [m]    |           |           |           |           |           |           |           |           |           |
|                      |                |      | l/min<br>m³/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 |
| 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      |

PERFORMANCE CHART 3D(.) SERIES 50

2 Poles

| Model                | P <sub>2</sub> |      | Q = Flow Rate |           |           |           |           |           |           |            |            |            |
|----------------------|----------------|------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
|                      | [HP]           | [kW] | H=Head [m]    |           |           |           |           |           |           |            |            |            |
|                      |                |      | l/min<br>m³/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 |
| 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       |

PERFORMANCE CHART 3D(.) SERIES 65

2 Poles

| Model             | P <sub>2</sub> |      | Q = Flow Rate |           |           |            |            |            |             |             |             |             |
|-------------------|----------------|------|---------------|-----------|-----------|------------|------------|------------|-------------|-------------|-------------|-------------|
|                   | [HP]           | [kW] | H=Head [m]    |           |           |            |            |            |             |             |             |             |
|                   |                |      | l/min<br>m³/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 |
| 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

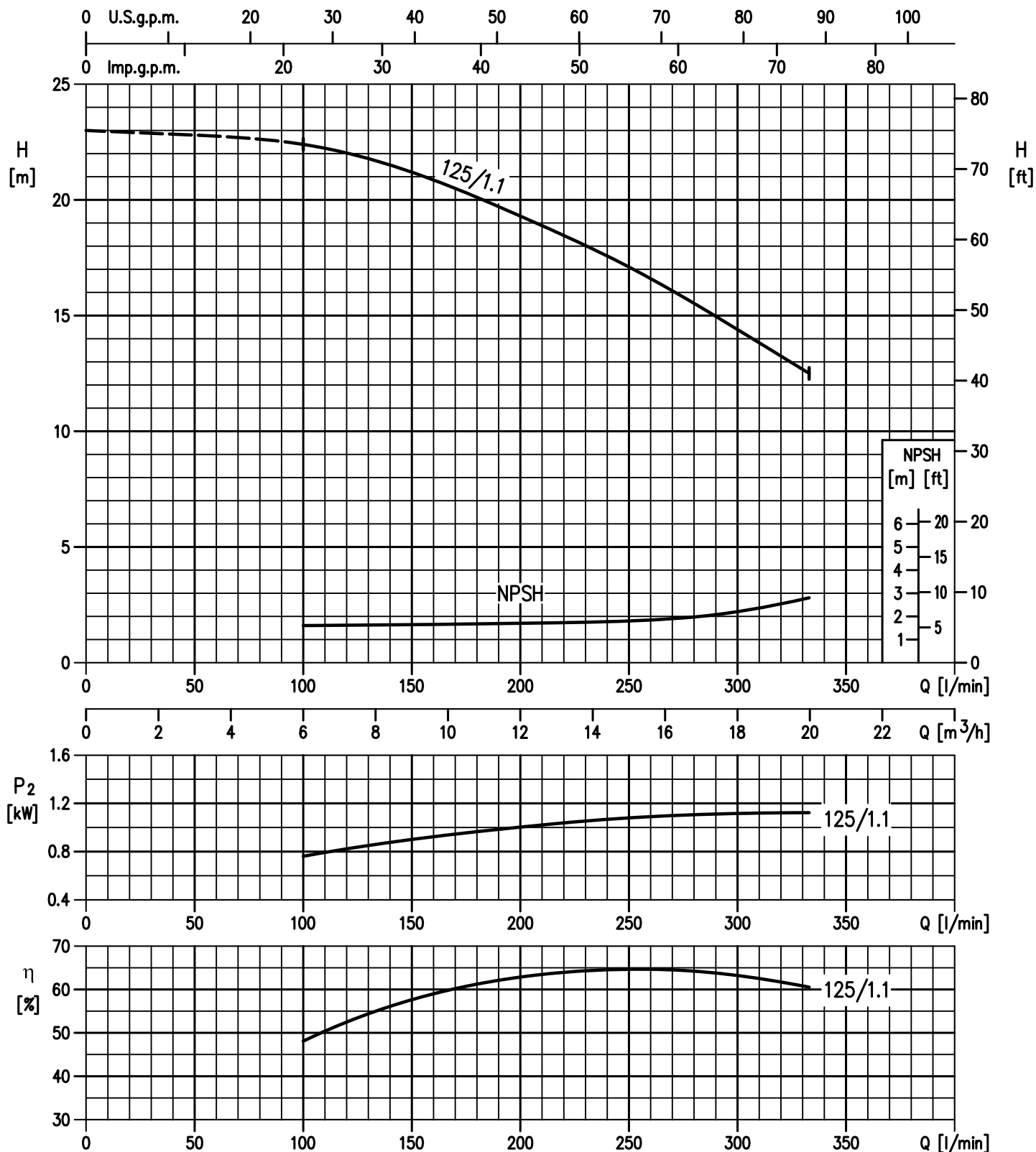
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# 3D SERIES

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

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

**2 Poles**

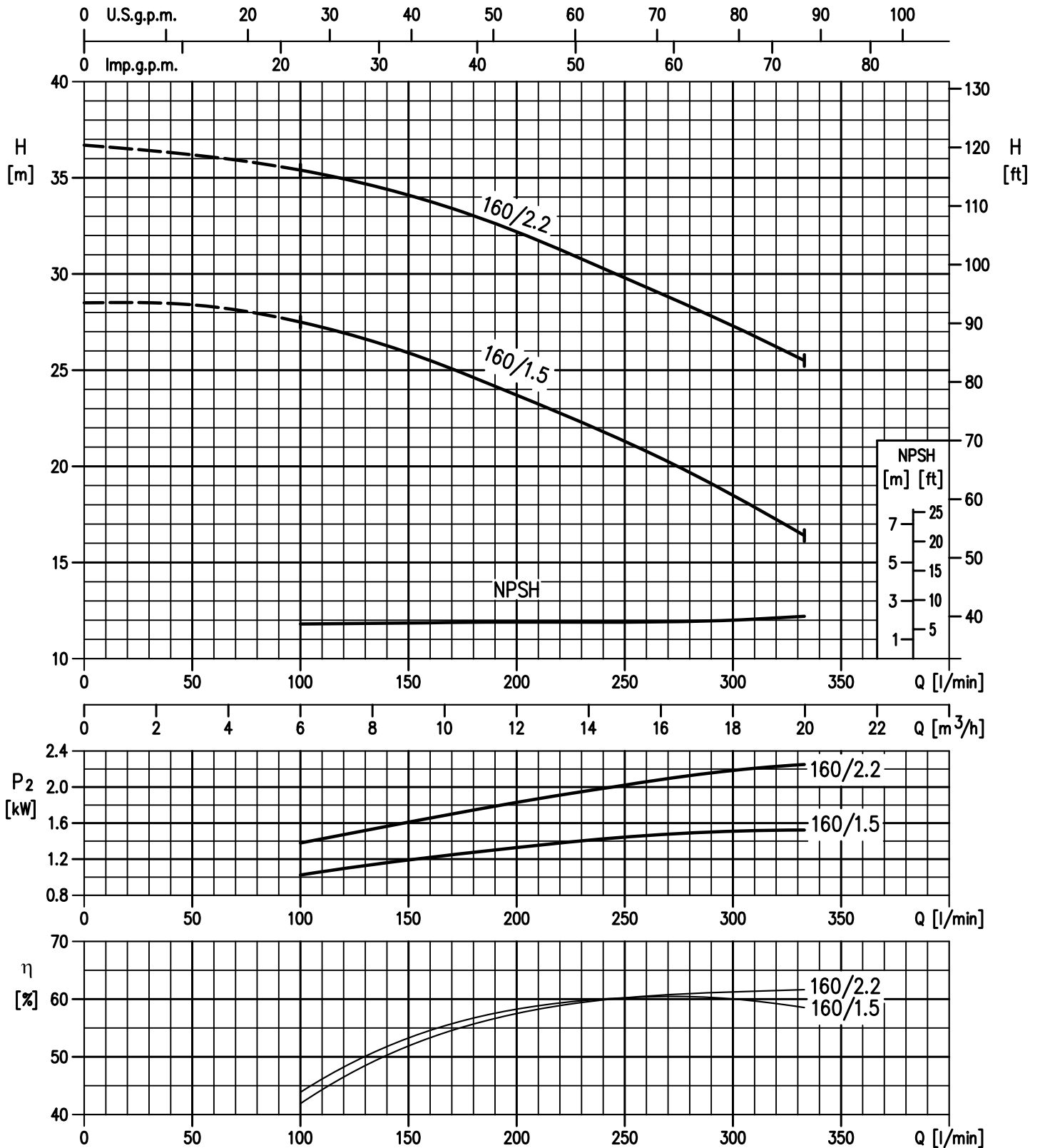


# 3D SERIES

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

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

**2 Poles**

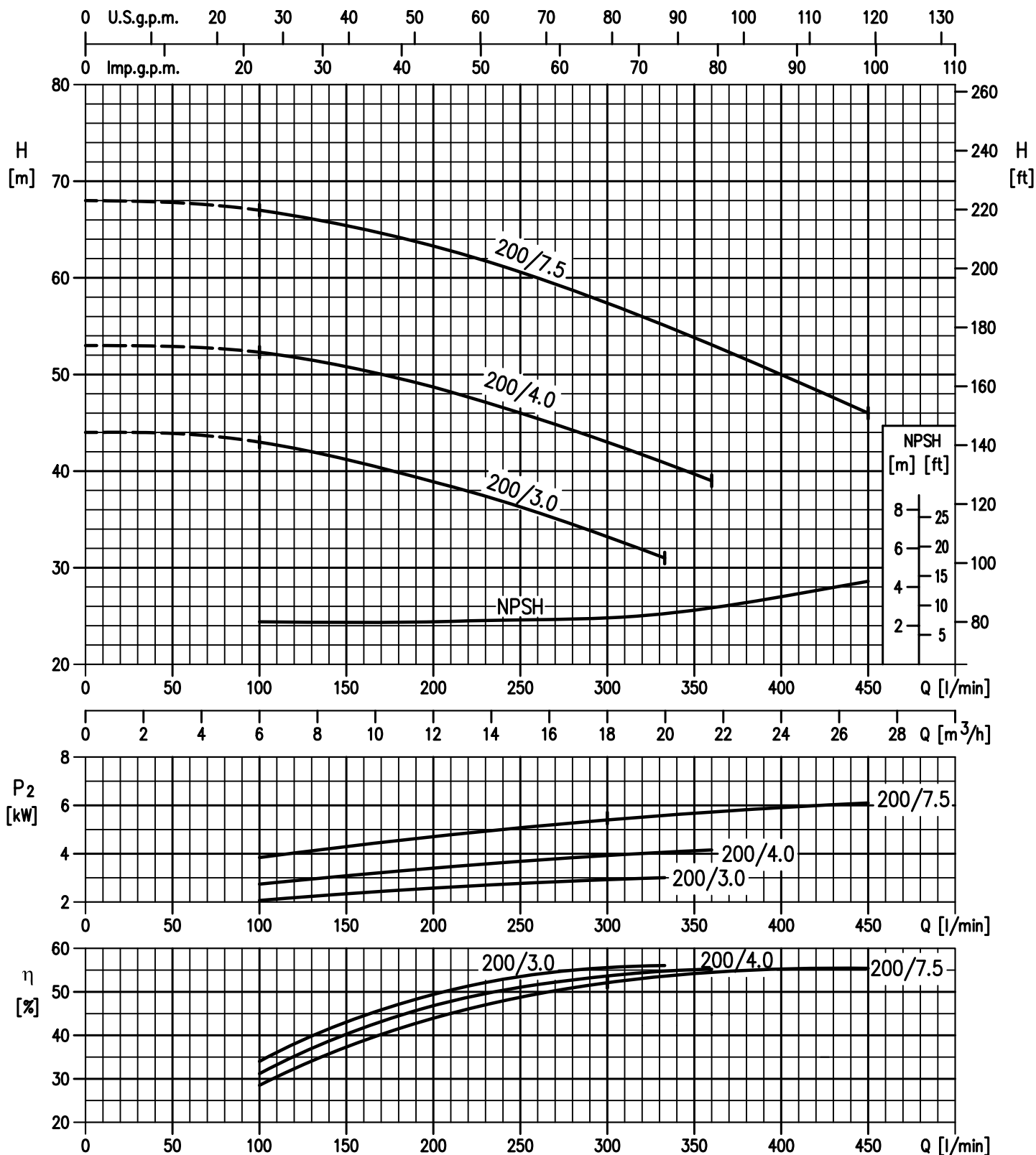


# 3D SERIES

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

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

2 Poles

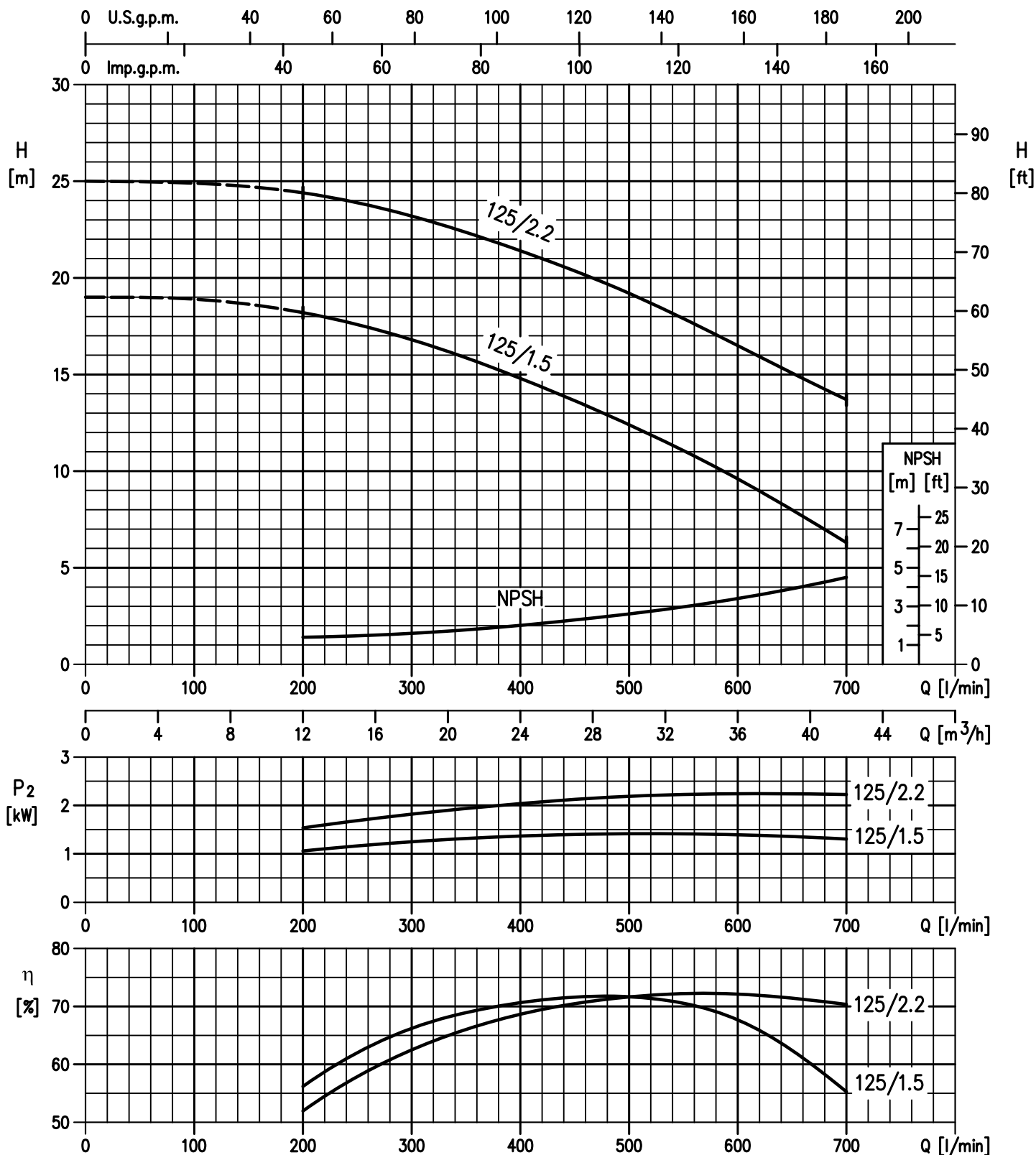


# 3D SERIES

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

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

2 Poles



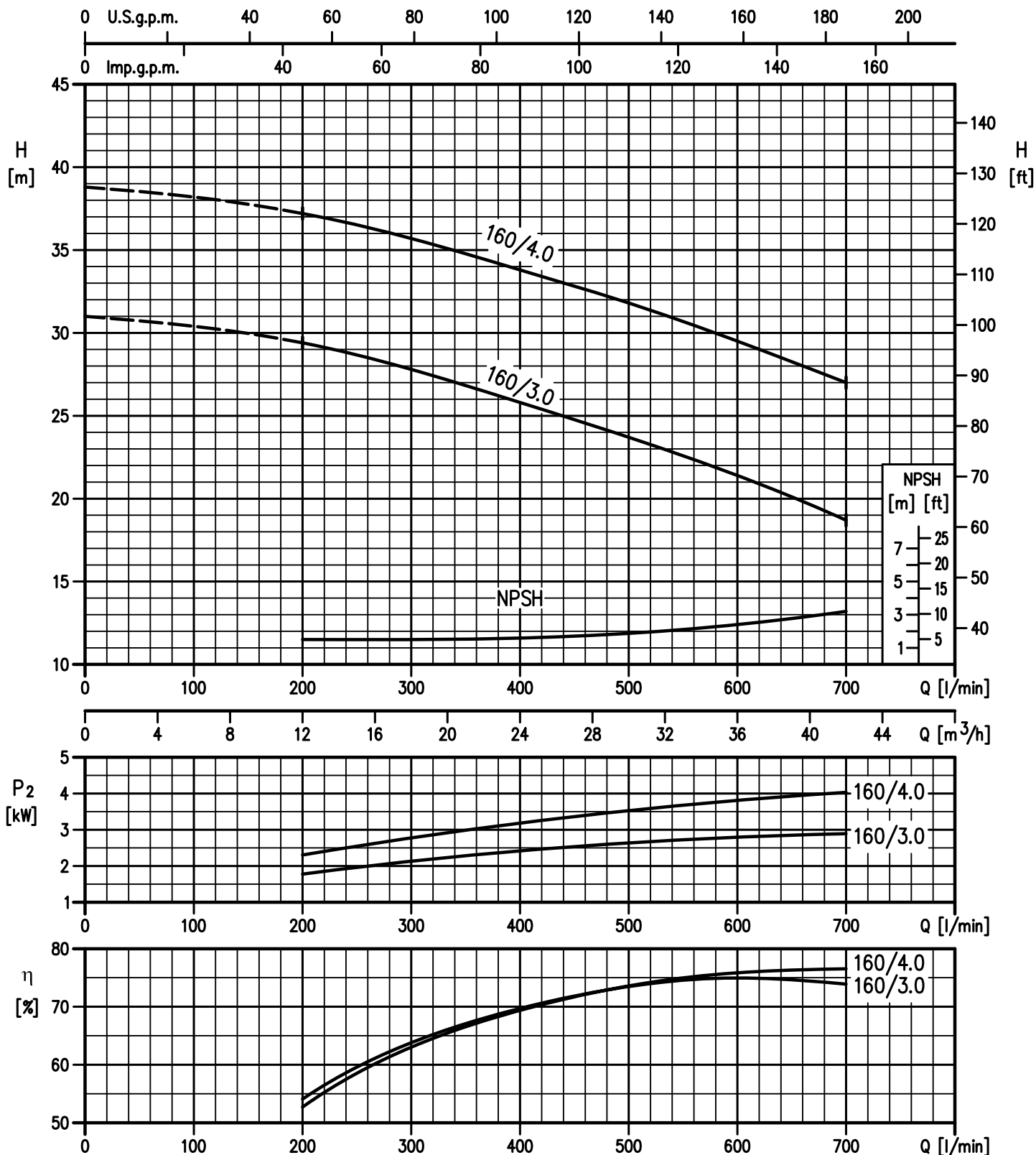


# 3D SERIES

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

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

2 Poles

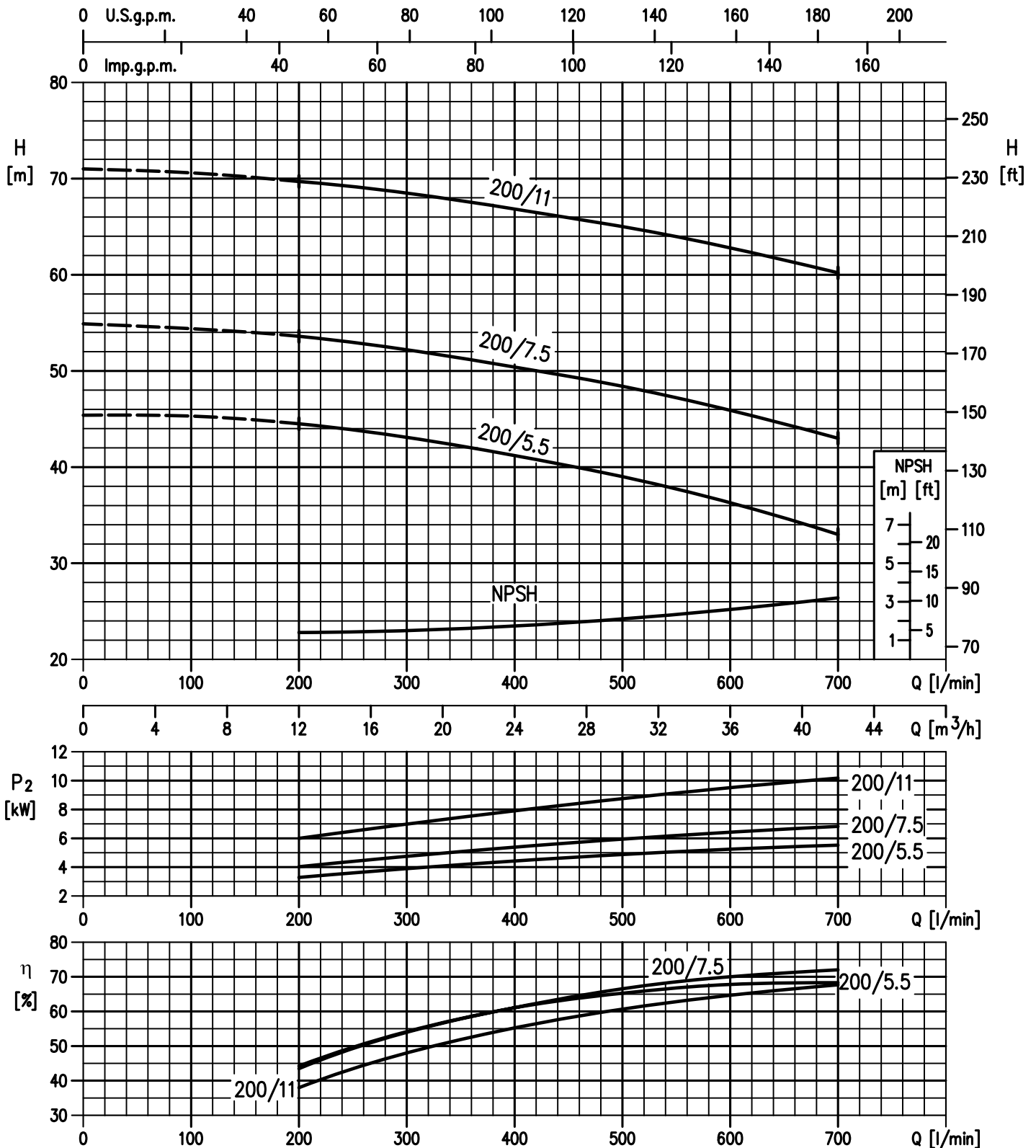


# 3D SERIES

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

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

**2 Poles**

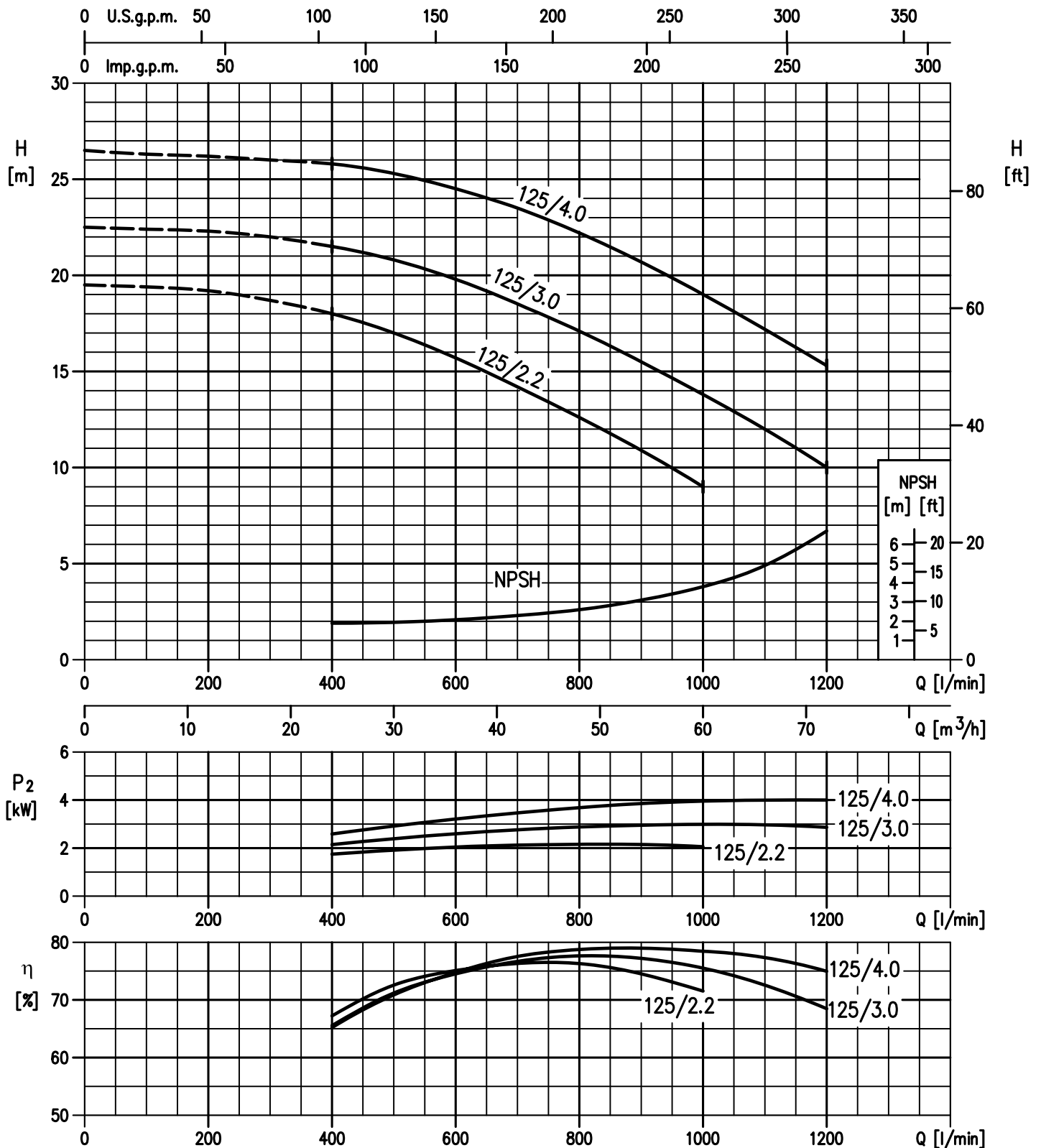


# 3D SERIES

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

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

**2 Poles**

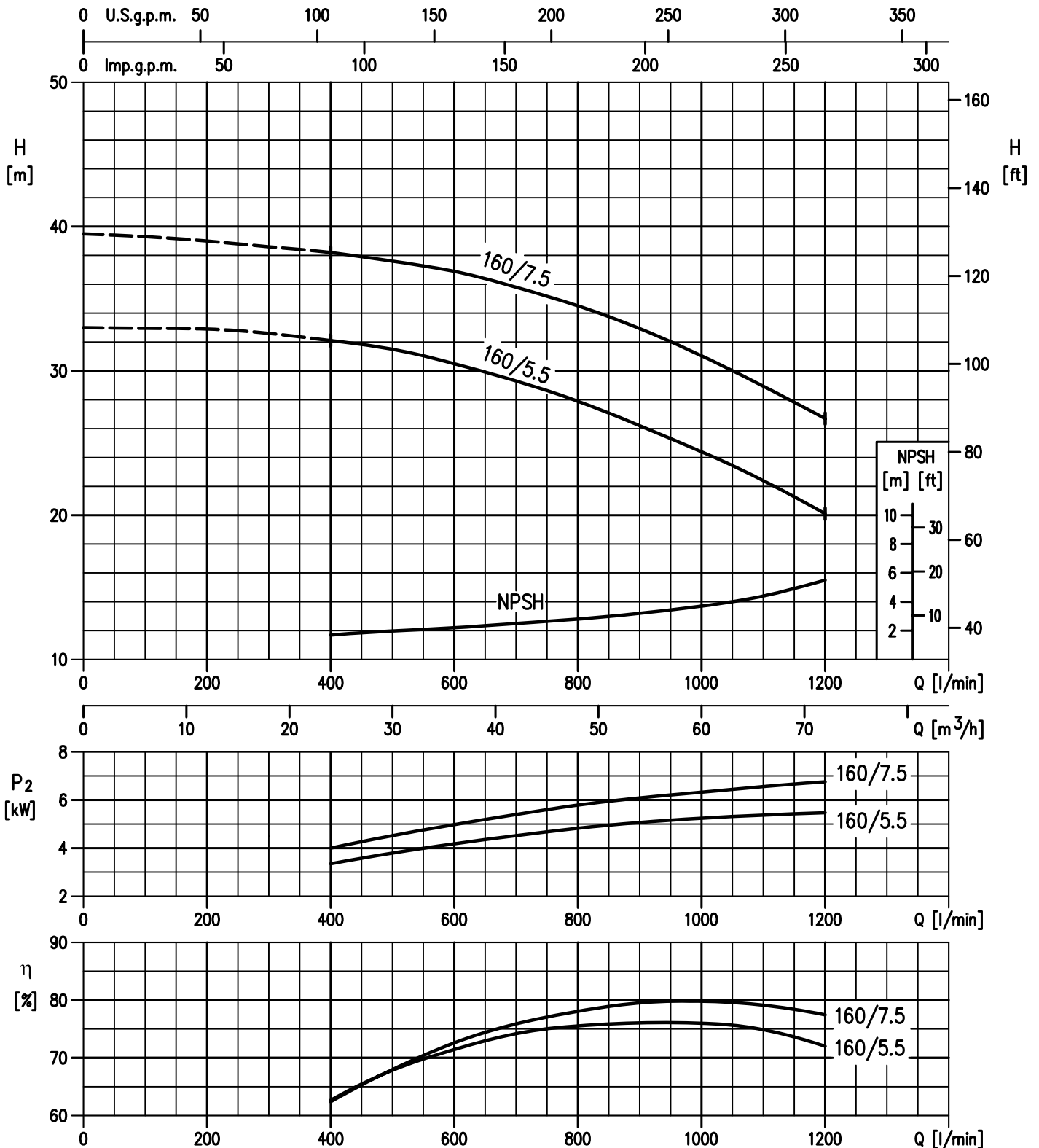


# 3D SERIES

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

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

2 Poles

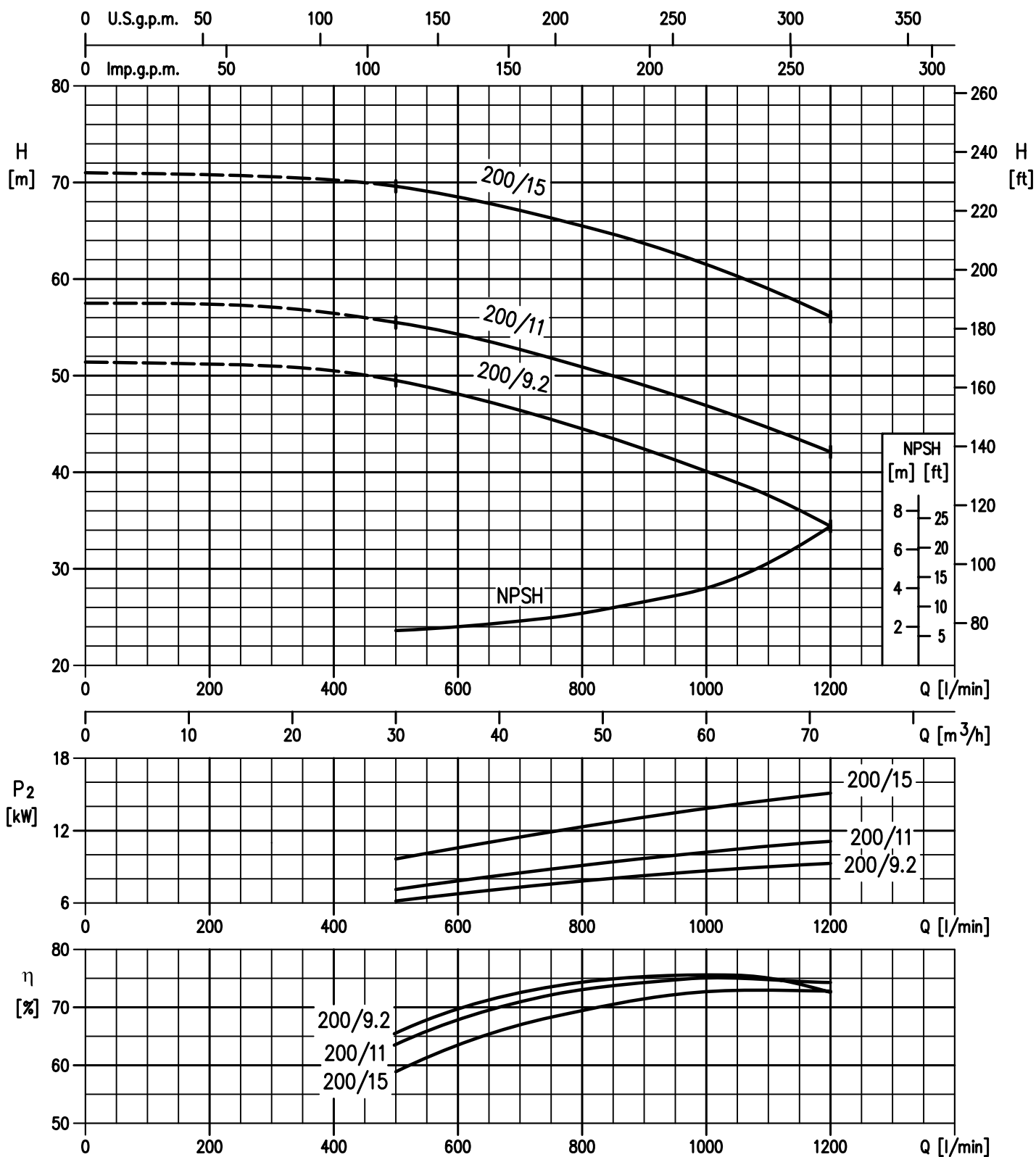


# 3D SERIES

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

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

**2 Poles**

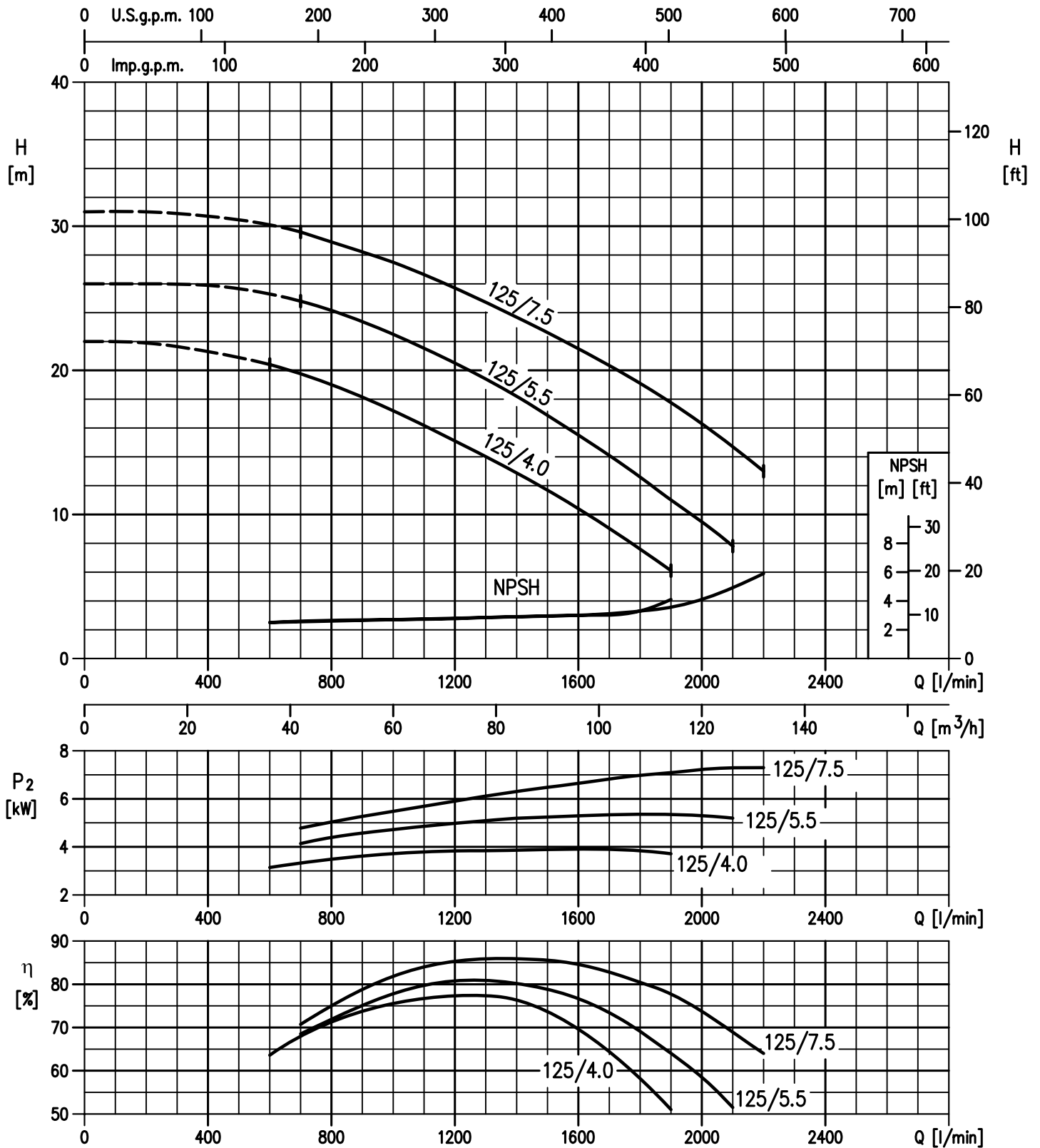


# 3D SERIES

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

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

2 Poles

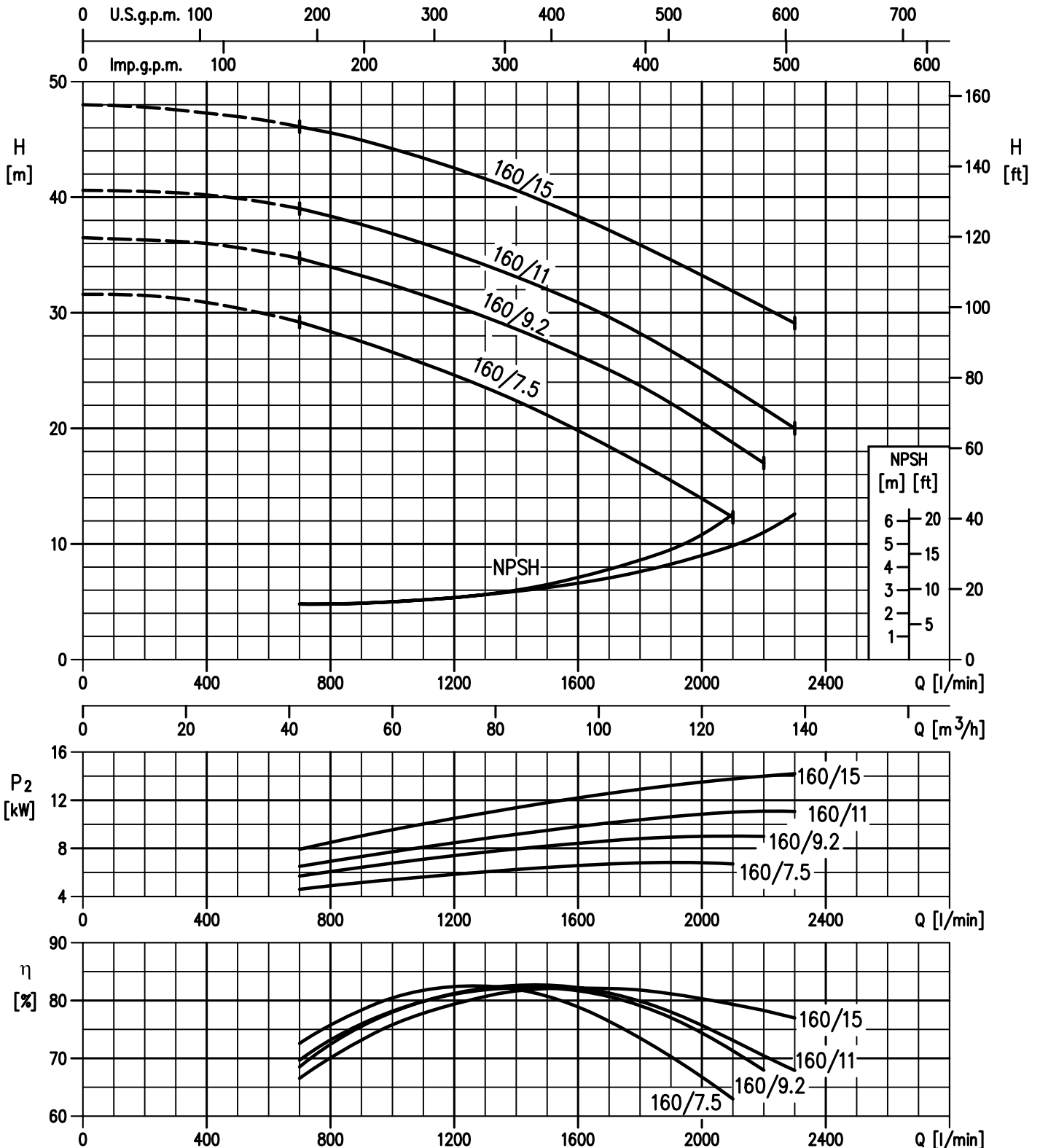


# 3D SERIES

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

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

**2 Poles**

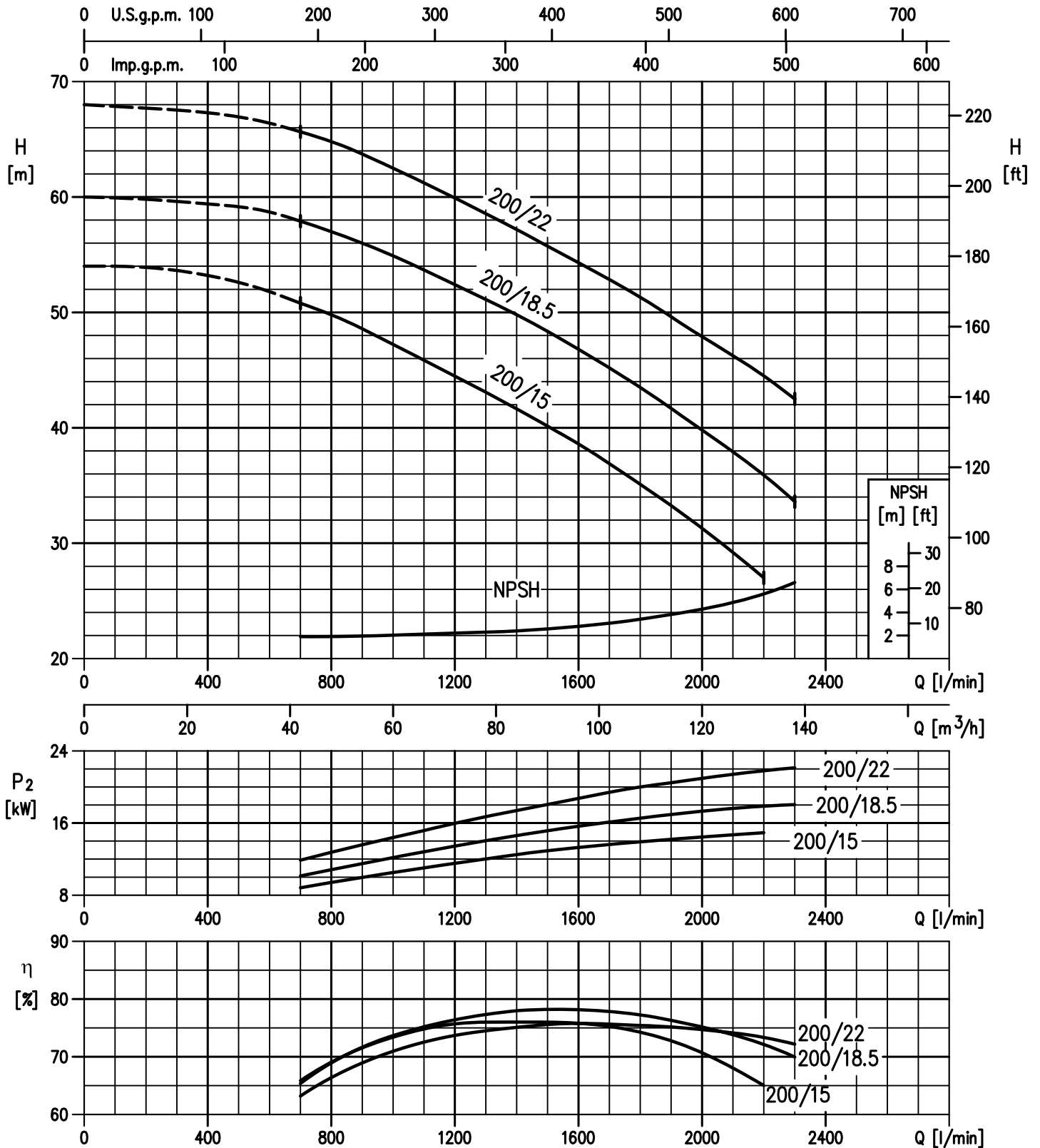


# 3D SERIES

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

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

**2 Poles**



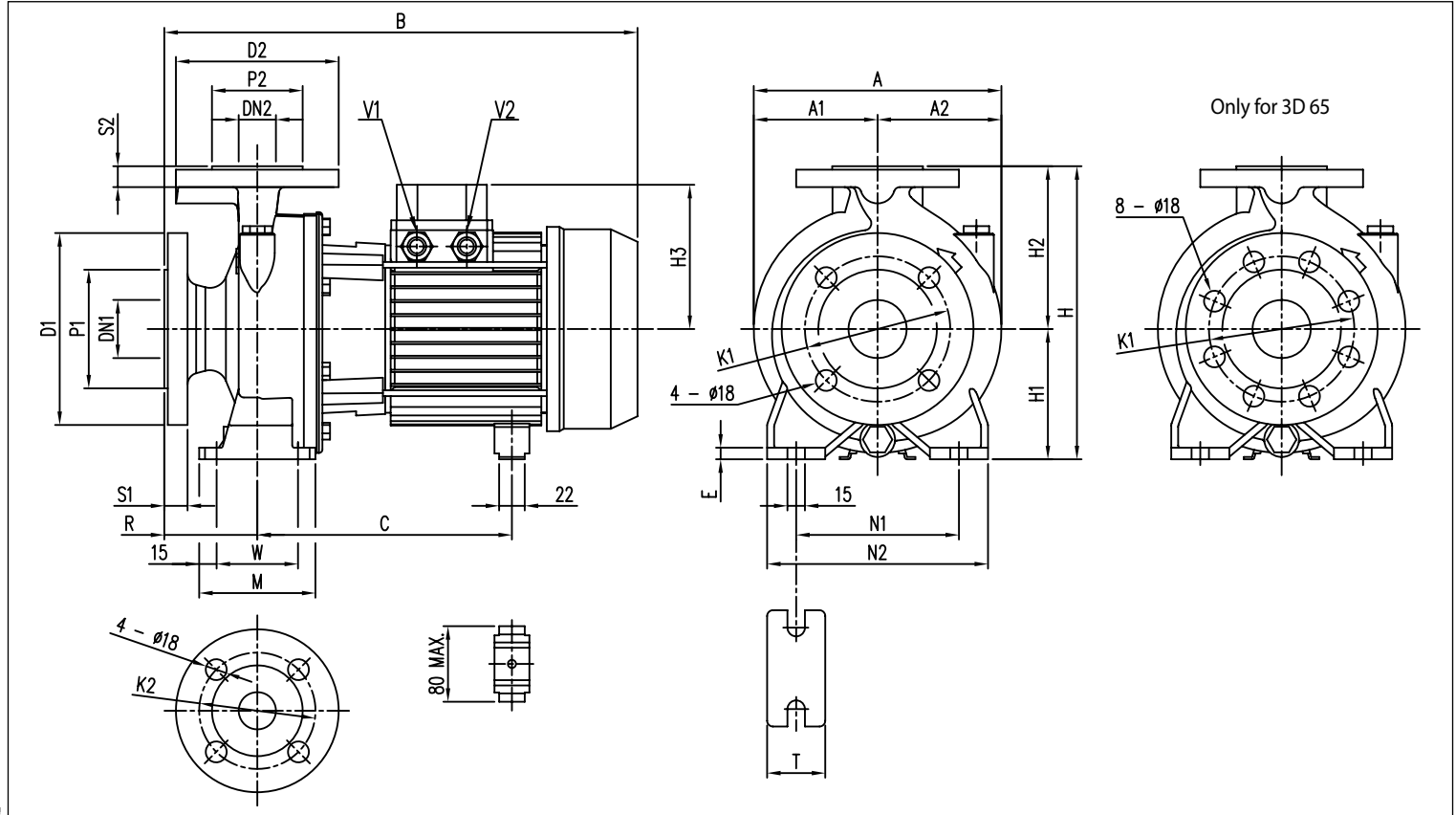


# 3D SERIES

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

**3D SERIES - up to 11kW**

**2 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  | E  | A   | A1    | A2    | B   |     | *   | C       |             | *       | V1      |         | *       | V2      |         | *    | Weight |      |
|               | Ø               | Ø   | Ø   | Ø   |    | Ø   | Ø   | Ø   | Ø   |    |     |     |     | [2] | [1] |     |     |    |     |     |     |    |    |     |       |       |     | [2] | [1] |         |             | [1]     | *       |         | [2]     | [1]     | *       | [2]  | [1]    | *    |
| 32-125/1.1(M) | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 252 | 112 | 140 | 141 | 124 | 119 | 80  | 70 | 100 | 140 | 190 | 50 | 10 | 213 | 106.5 | 106.5 | 408 | 407 | 431 | 219÷230 | 219÷230     | 232     | -       | -       | M20x1.5 | PG 13.5 | M16x1.5 | 25.0 | 29.5   | 29.5 |
| 32-160/1.5(M) | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 292 | 132 | 160 | 141 | 124 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | 408 | 407 | 431 | 219÷230 | 219÷230     | 232     | -       | -       | M20x1.5 | PG 13.5 | M20x1.5 | 29.0 | 33.5   | 33.5 |
| 32-160/2.2(M) | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 292 | 132 | 160 | 141 | 124 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | 408 | 432 | 431 | 219÷230 | 244÷255     | 232     | -       | -       | M20x1.5 | PG 13.5 | M20x1.5 | 35.7 | 36.0   | 36.0 |
| 32-200/3.0    | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 340 | 160 | 180 | -   | 124 | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | -   | 471 | 471 | -       | 244÷255     | 244÷255 | -       | -       | -       | PG 13.5 | M20x1.5 | -    | 47.5   | 47.5 |
| 32-200/4.0    | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 340 | 160 | 180 | -   | 141 | 141 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | -   | 494 | 494 | -       | 253         | 253     | -       | -       | -       | PG 16   | M20x1.5 | -    | 50.0   | 50.0 |
| 32-200/7.5    | 50              | 102 | 125 | 165 | 20 | 32  | 78  | 100 | 140 | 18 | 340 | 160 | 180 | -   | 150 | 150 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | -   | -   | 539 | -       | 275         | 275     | -       | PG 13.5 | -       | -       | PG 16   | -    | -      | 65.1 |
| 40-125/1.5(M) | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 252 | 112 | 140 | 141 | 124 | 119 | 80  | 70 | 100 | 160 | 210 | 50 | 10 | 220 | 108   | 112   | 408 | 407 | 431 | 219÷230 | 219÷230     | 232     | -       | -       | M20x1.5 | PG 13.5 | M20x1.5 | 25.5 | 30.0   | 30.0 |
| 40-125/2.2(M) | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 252 | 112 | 140 | 141 | 124 | 119 | 80  | 70 | 100 | 160 | 210 | 50 | 10 | 220 | 108   | 112   | 408 | 432 | 431 | 219÷230 | 244÷255     | 232     | -       | -       | M20x1.5 | PG 13.5 | M20x1.5 | 31.7 | 32.0   | 32.0 |
| 40-160/3.0    | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 292 | 132 | 160 | -   | 124 | 124 | 80  | 70 | 100 | 190 | 240 | 50 | 12 | 254 | 127   | 127   | -   | 471 | 471 | -       | 244÷255     | 244÷255 | -       | -       | -       | PG 13.5 | M20x1.5 | -    | 39.0   | 39.0 |
| 40-160/4.0    | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 292 | 132 | 160 | -   | 141 | 141 | 80  | 70 | 100 | 190 | 240 | 50 | 12 | 254 | 127   | 127   | -   | 494 | 494 | -       | 253         | 253     | -       | -       | -       | PG 16   | M20x1.5 | -    | 48.0   | 48.0 |
| 40-200/5.5    | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 340 | 160 | 180 | -   | 150 | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 12 | 296 | 148   | 148   | -   | 539 | 539 | -       | 275         | 275     | PG 13.5 | M20x1.5 | -       | PG 16   | M25x1.5 | -    | 60.0   | 60.0 |
| 40-200/7.5    | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 340 | 160 | 180 | -   | 150 | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 12 | 296 | 148   | 148   | -   | -   | 559 | -       | 275         | 275     | -       | PG 13.5 | -       | -       | PG 16   | -    | -      | 66.1 |
| 40-200/11     | 65              | 122 | 145 | 185 | 20 | 40  | 88  | 110 | 150 | 18 | 340 | 160 | 180 | -   | 178 | 178 | 100 | 70 | 100 | 212 | 265 | 50 | 12 | 296 | 148   | 148   | -   | -   | 595 | -       | 359         | 359     | -       | PG 13.5 | -       | -       | PG 21   | -    | -      | 82.4 |
| 50-125/2.2(M) | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 292 | 132 | 160 | 141 | 124 | 119 | 100 | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | 428 | 452 | 451 | 219÷230 | 244÷255     | 232     | -       | -       | M20x1.5 | PG 13.5 | M20x1.5 | 34.4 | 37.0   | 37.0 |
| 50-125/3.0    | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 292 | 132 | 160 | -   | 124 | 124 | 100 | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | -   | 491 | 491 | -       | 244÷255     | 244÷255 | -       | -       | -       | PG 13.5 | M20x1.5 | -    | 39.5   | 39.5 |
| 50-125/4.0    | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 292 | 132 | 160 | -   | 141 | 141 | 100 | 70 | 100 | 190 | 240 | 50 | 10 | 254 | 127   | 127   | -   | 514 | 514 | -       | 253         | 253     | -       | -       | -       | PG 16   | M20x1.5 | -    | 48.0   | 48.0 |
| 50-160/5.5    | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 340 | 160 | 180 | -   | 150 | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -   | 539 | 539 | -       | 275         | 275     | PG 13.5 | M20x1.5 | -       | PG 16   | M25x1.5 | -    | 60.0   | 60.0 |
| 50-160/7.5    | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 340 | 160 | 180 | -   | 150 | 150 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -   | -   | 559 | -       | 275         | 275     | -       | PG 13.5 | -       | -       | PG 16   | -    | -      | 67.1 |
| 50-200/9.2    | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 360 | 160 | 200 | -   | 178 | 178 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -   | -   | 595 | -       | 359         | 359     | -       | PG 13.5 | -       | -       | PG 21   | -    | -      | 77.0 |
| 50-200/11     | 65              | 122 | 145 | 185 | 20 | 50  | 102 | 125 | 165 | 20 | 360 | 160 | 200 | -   | 178 | 178 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | -   | -   | 595 | -       | 359         | 359     | -       | PG 13.5 | -       | -       | PG 21   | -    | -      | 82.4 |
| 65-125/4.0    | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 340 | 160 | 180 | -   | 141 | 141 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 263 | 127   | 136   | -   | 514 | 514 | -       | 253         | 253     | -       | -       | -       | PG 16   | M20x1.5 | -    | 53.0   | 53.0 |
| 65-125/5.5    | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 340 | 160 | 180 | -   | 150 | 150 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 263 | 127   | 136   | -   | 539 | 539 | -       | 275         | 275     | PG 13.5 | M20x1.5 | -       | PG 16   | M25x1.5 | -    | 65.0   | 65.0 |
| 65-125/7.5    | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 340 | 160 | 180 | -   | 150 | 150 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 263 | 127   | 136   | -   | -   | 559 | -       | 275         | 275     | -       | PG 13.5 | -       | -       | PG 16   | -    | -      | 72.6 |
| 65-160/7.5    | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 360 | 160 | 200 | -   | 150 | 150 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 148   | 148   | -   | -   | 559 | -       | 275         | 275     | -       | PG 13.5 | -       | -       | PG 16   | -    | -      | 73.1 |
| 65-160/9.2    | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 360 | 160 | 200 | -   | 178 | 178 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 148   | 148   | -   | -   | 595 | -       | 359         | 359     | -       | PG 13.5 | -       | -       | PG 21   | -    | -      | 85.0 |
| 65-160/11     | 80              | 138 | 160 | 200 | 22 | 65  | 122 | 145 | 185 | 20 | 360 | 160 | 200 | -   | 178 | 178 | 100 | 95 | 125 | 212 | 280 | 65 | 12 | 296 | 148   | 148   | -   | -   | 595 | -       | 359         | 359     | -       | PG 13.5 | -       | -       | PG 21   | -    | -      | 87.4 |

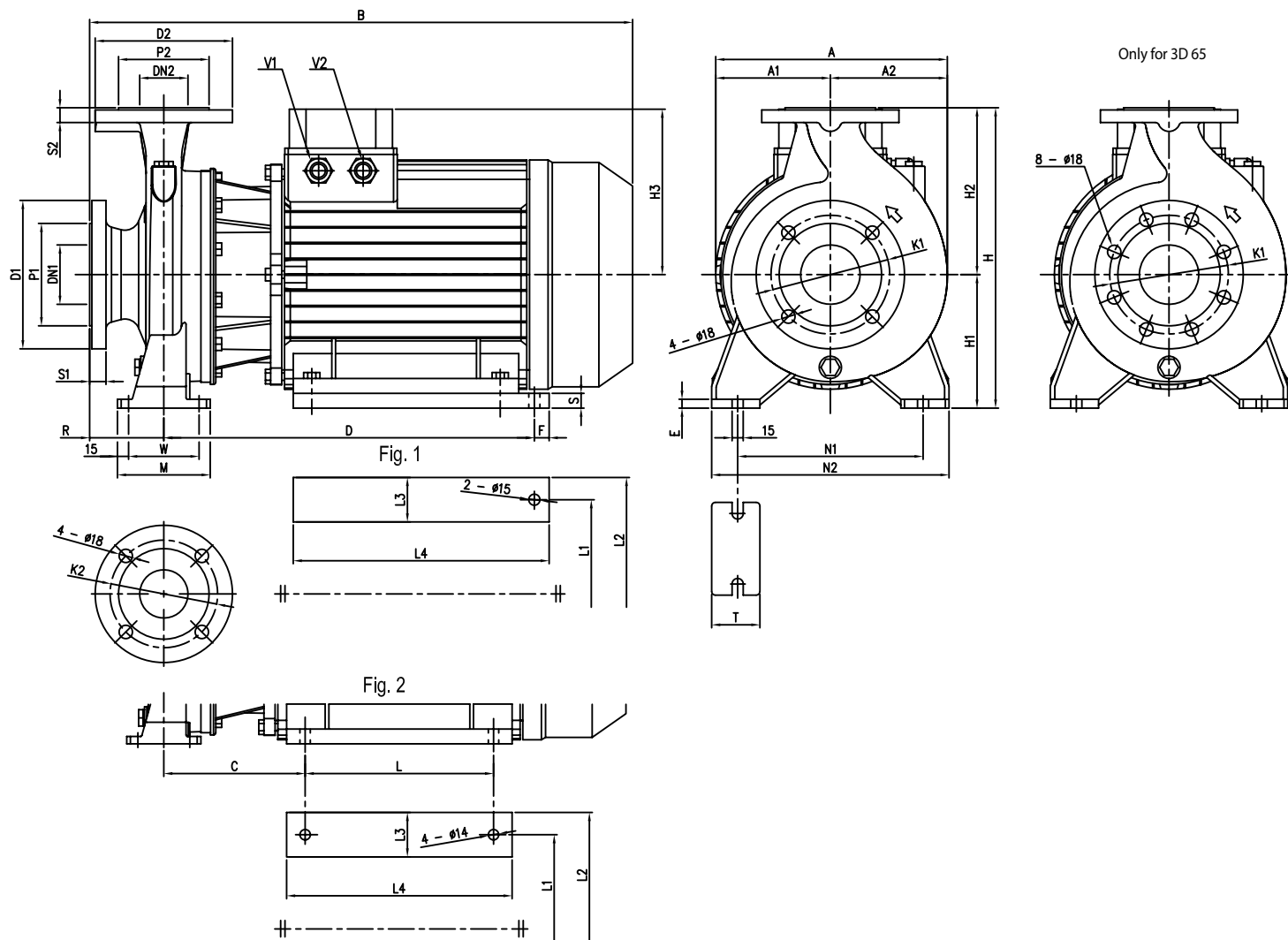
[1]= Three-phase only [2]= Single phase only  
\* Models with IE3 motor only

# 3D SERIES

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

3D SERIES - from 15kW up

2 Poles



## DIMENSIONAL TABLE

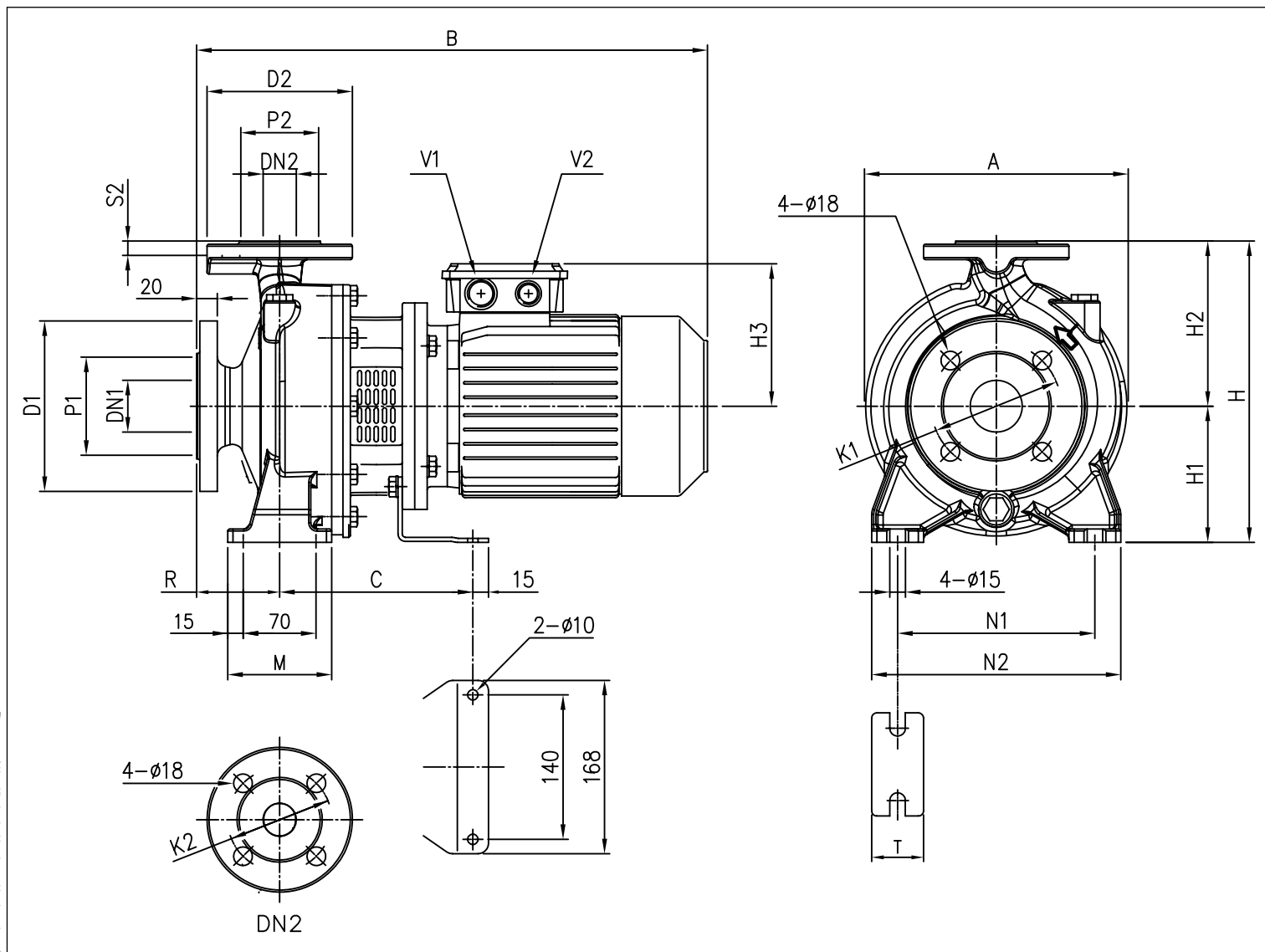
| Model          | Dimensions [mm] |     |     |     |    |          |     |     |         |    |     |     |     |     |      |     |    |     |     |     |    |    |     |       |       |     |       |     |     |     |    |     | Weight [kg] |    |    |       |       |       |
|----------------|-----------------|-----|-----|-----|----|----------|-----|-----|---------|----|-----|-----|-----|-----|------|-----|----|-----|-----|-----|----|----|-----|-------|-------|-----|-------|-----|-----|-----|----|-----|-------------|----|----|-------|-------|-------|
|                | DN1<br>Ø        | P1  | K1  | D1  | S1 | DN2<br>Ø | P2  | K2  | D2<br>Ø | 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 - up to 2.2kW**

**2 Poles**



## DIMENSIONAL TABLE

| Model          | Dimensions [mm] |         |         |         |          |         |         |         |    |     |     |     |     |     |     |     |     |    |     |     |     |         |         | Weight [kg] * |      |
|----------------|-----------------|---------|---------|---------|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|---------|---------|---------------|------|
|                | DN1<br>Ø        | P1<br>Ø | K1<br>Ø | D1<br>Ø | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>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 |

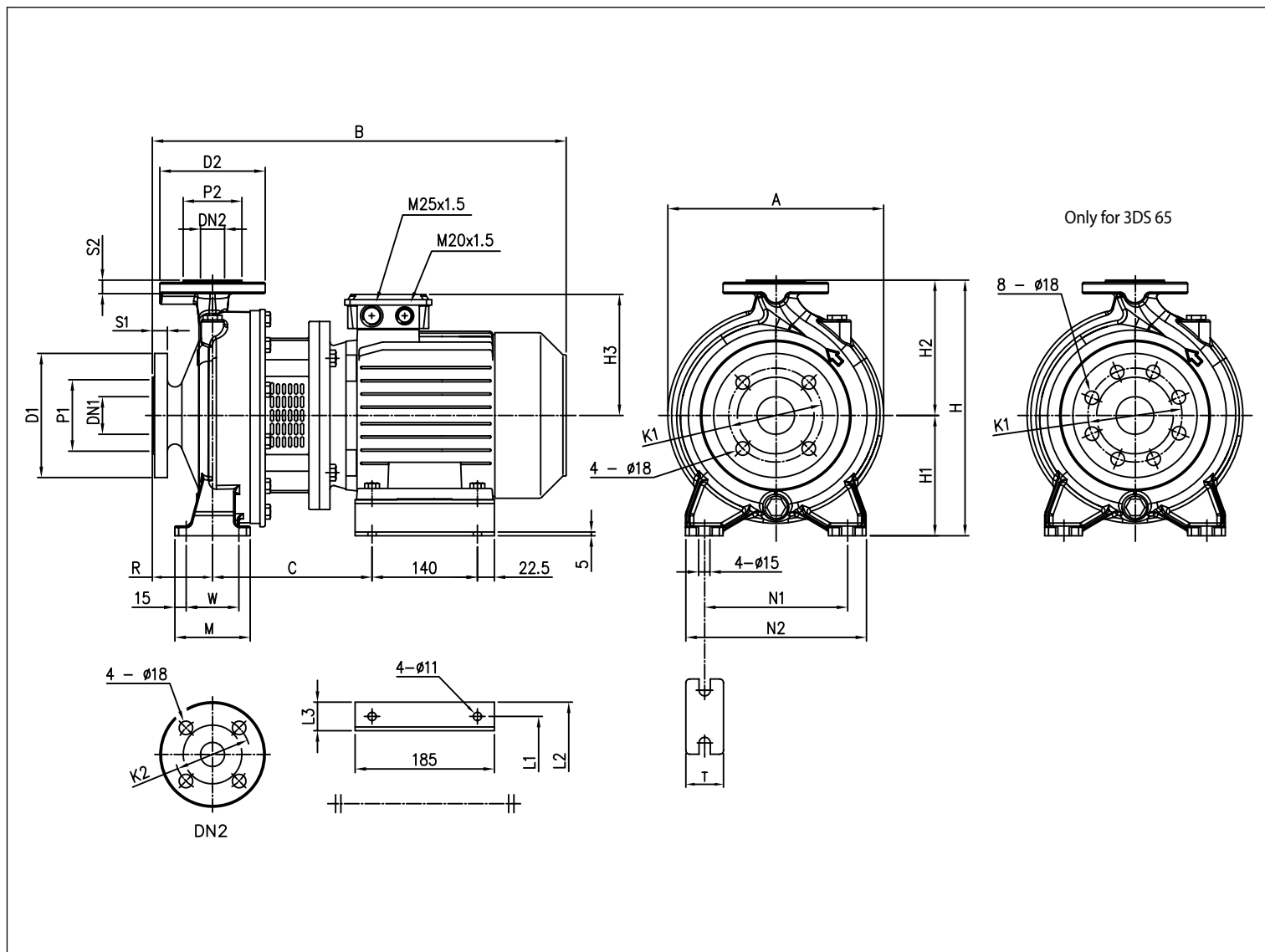
\* Models with IE3 motor only

# 3D SERIES

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

**DIMENSIONS 3DS 32, 65 SERIES - 3 ÷ 4 kW**

**2 Poles**



**DIMENSIONAL TABLE**

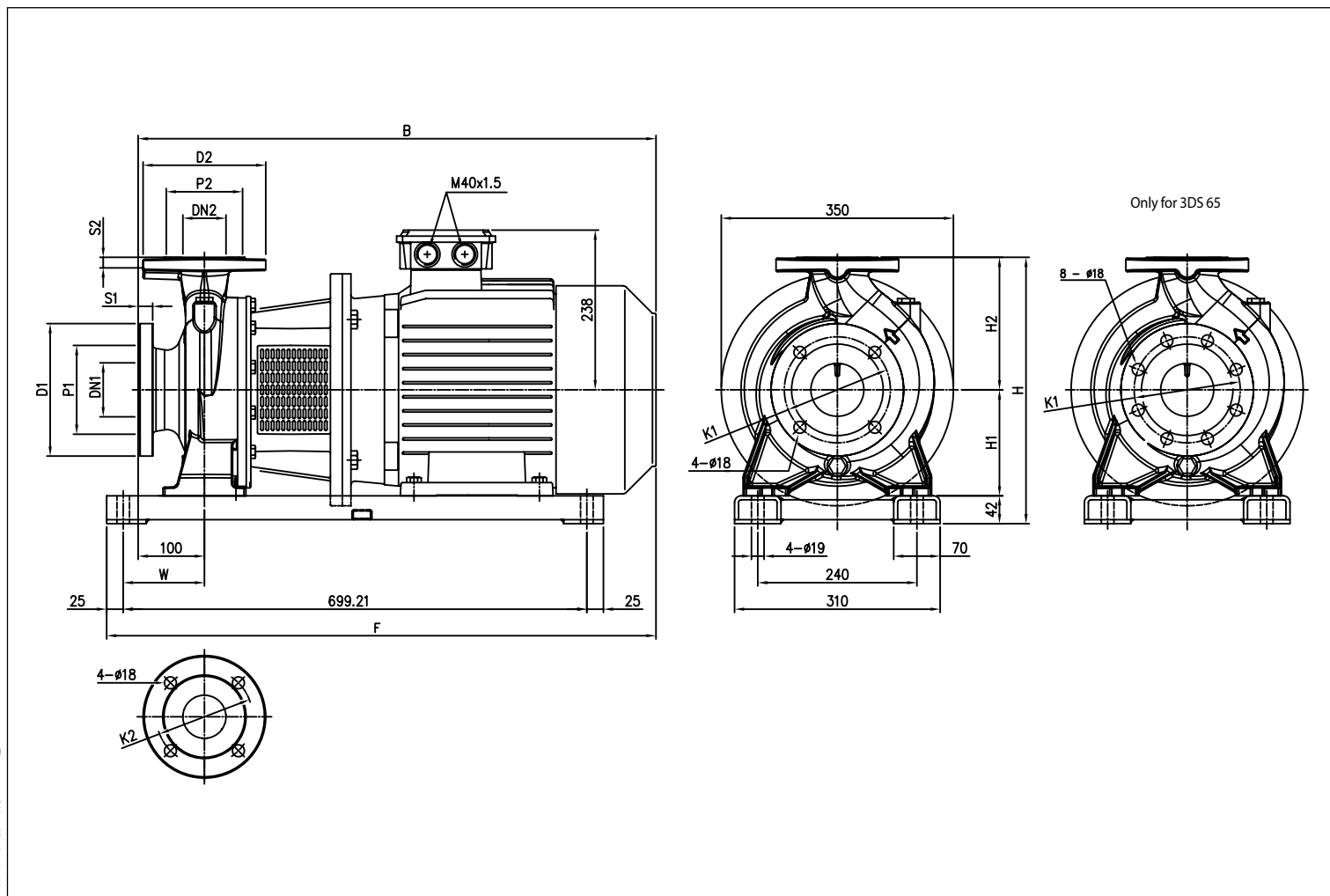
| Model          | Dimensions [mm] |         |         |         |    |          |         |         |         |    |     |     |     |     |     |    |     |     |     |    |     |     |     |     |     |    |      | Weight [kg] |      |
|----------------|-----------------|---------|---------|---------|----|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|------|-------------|------|
|                | 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  | H3  | R   | W  | M   | N1  | N2  | T  | A   | B   | C   | L1  | L2  | L3 |      | *           |      |
| 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 | 160 | 202 | 42 | 59.3 |             | 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 | 190 | 228 | 38 | 60.8 |             | 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 | 190 | 228 | 38 | 65.4 |             | 65.4 |

# 3D SERIES

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

**3DS 40, 50, 65 SERIES - 11 ÷ 15 kW**

**2 Poles**



**DIMENSIONAL TABLE**

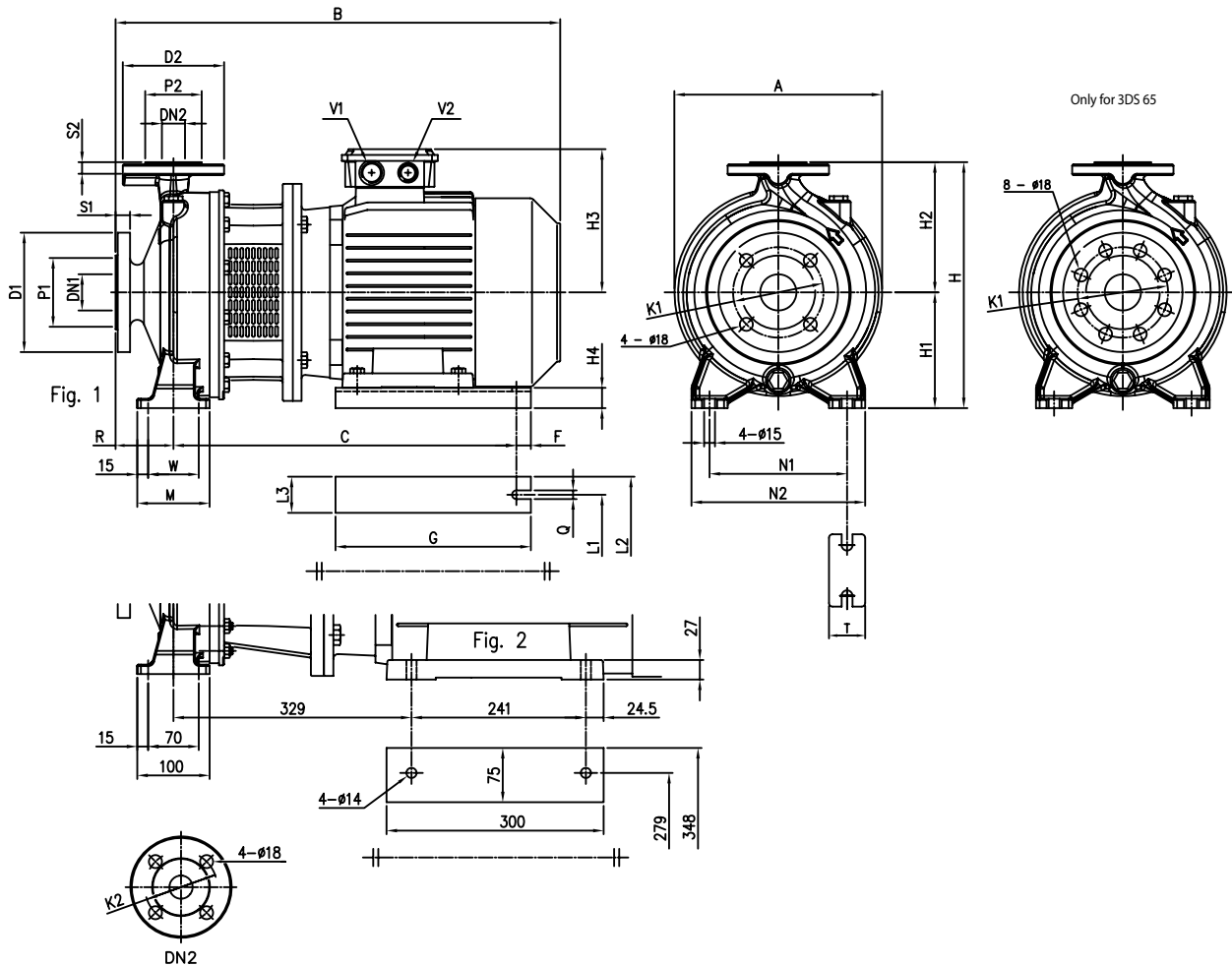
| Model         | Dimensions [mm] |         |         |         |    |          |         |         |         |    |     |     |     |     |     |     |       | Weight [kg] |
|---------------|-----------------|---------|---------|---------|----|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|-----|-------|-------------|
|               | 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 |             |

# 3D SERIES

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

**3DS 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 | Fig. | H   | H1  | H2  | H3  | H4 | R   | W  | M   | N1  | N2  | T  | A   | B   | C   | F  | G   | Q  | L1  | L2  | L3 | V1      |                |         | V2      |   |       |
| 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        | -       | 92.0    |   |       |
| 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 | 1    | 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 | 1    | 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 | 1    | 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 | 1    | 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 | 1    | 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 | 1    | 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 | 1    | 360 | 160 | 200 | 198 | 28 | 100 | 70 | 100 | 212 | 265 | 50 | 296 | 667 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32x1.5 | M32x1.5        | -       | 104.0   |   |       |
| 3DS 65-125/5.5  | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 1    | 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 | 1    | 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 | 1    | 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 | 1    | 360 | 160 | 200 | 198 | 28 | 100 | 95 | 125 | 212 | 280 | 65 | 296 | 667 | 479 | 15 | 270 | 12 | 216 | 266 | 50 | M32x1.5 | M32x1.5        | -       | 108.0   |   |       |
| 3DS 65-200/15   | 80              | 138     | 160     | 200     | 22 | 65       | 122     | 145     | 185     | 20 | 1    | 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 | 1    | 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 | 2    | 405 | 180 | 225 | 268 | -  | 100 | -  | -   | 250 | 320 | 65 | 312 | 885 | -   | -  | -   | -  | -   | -   | -  | -       | -              | M40x1.5 | M40x1.5 | - | 197.0 |

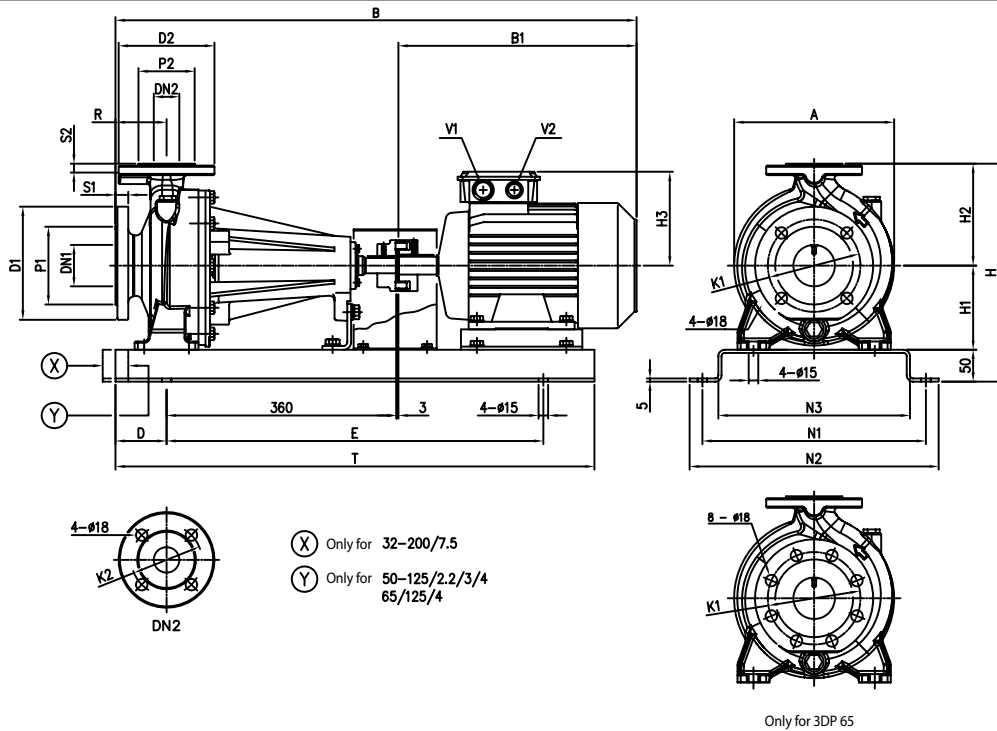
\* Models with IE3 motor only

# 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 [kg] |       |
|-----------------|-----------------|------|------|------|----|-------|------|------|------|----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|---------|---------|-------------|-------|
|                 | DN1 Ø           | P1 Ø | K1 Ø | D1 Ø | S1 | DN2 Ø | P2 Ø | K2 Ø | D2 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 |

\* Models with IE3 motor only

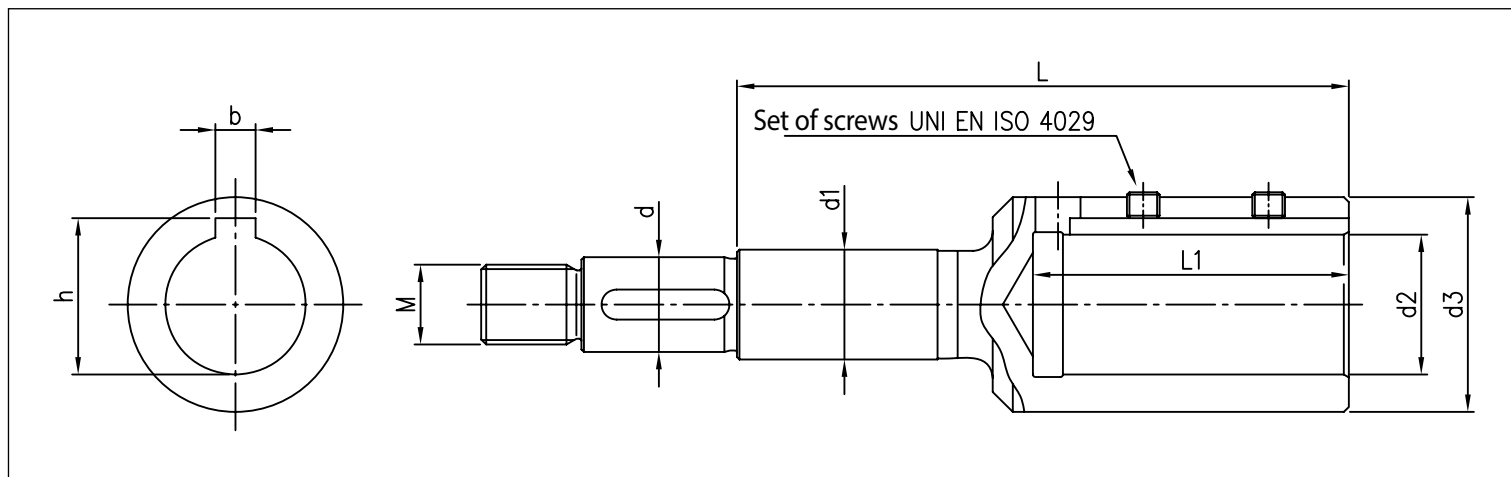


# 3D SERIES

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

Joint for 3DS SERIES

2 Poles



**DIMENSIONAL TABLE**

| Model           | [HP] | [kW] | Grand. Motor | d  | d1 | d2 | d3 | Dimensions [mm]<br>M | L   | L1  | b  | h    | Screws set |
|-----------------|------|------|--------------|----|----|----|----|----------------------|-----|-----|----|------|------------|
| 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     |

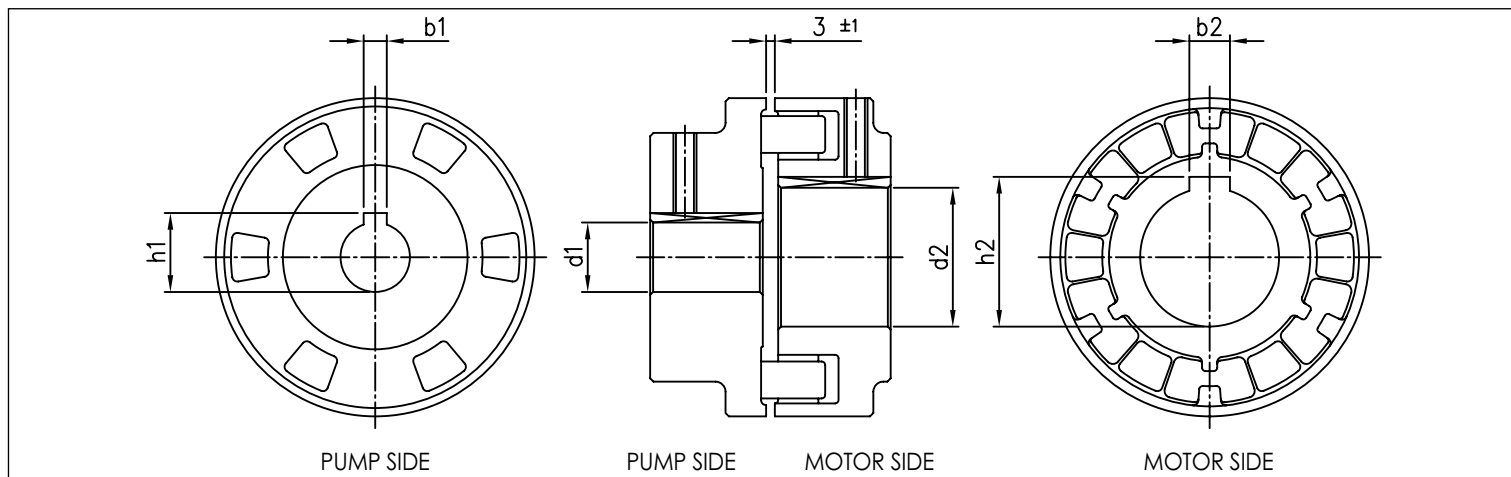


# 3D SERIES

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

Joint for 3DP SERIES

2 Poles



## DIMENSIONAL TABLE

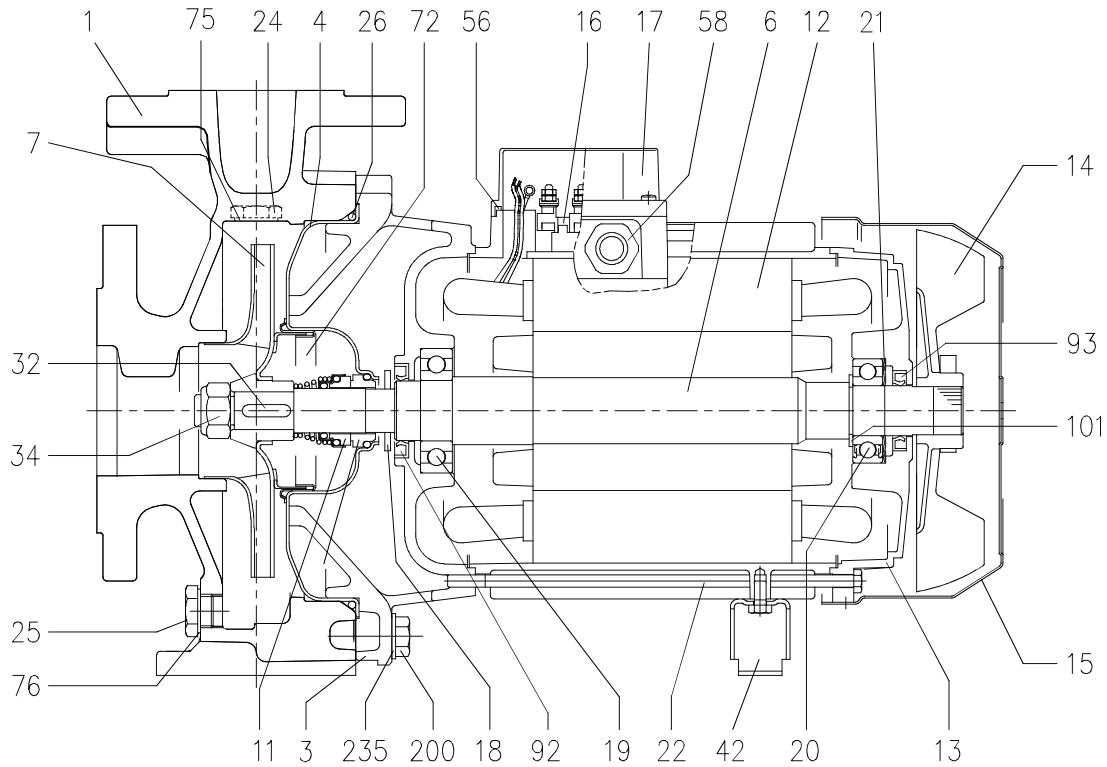
| Model           | [HP] | [kW] | Grand. Motor | d1 | b1 | Dimensions [mm] |    | b2 | h2   |
|-----------------|------|------|--------------|----|----|-----------------|----|----|------|
|                 |      |      |              |    |    | h1              | d2 |    |      |
| 3DP 32-125/1.1  | 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 |

## 3D SERIES

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

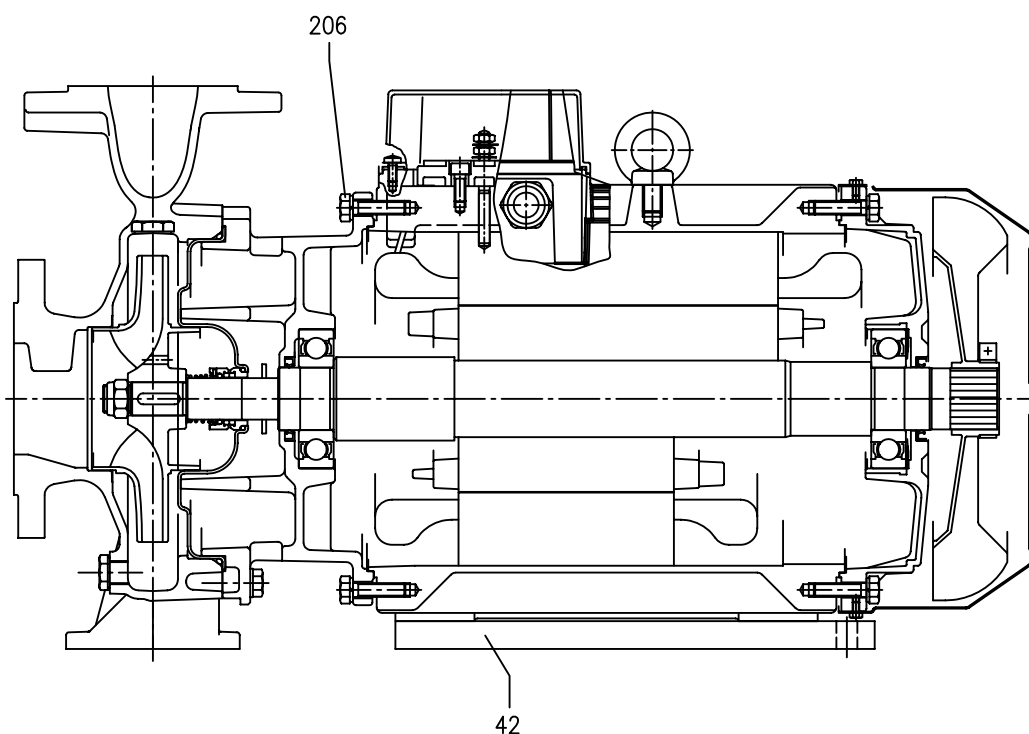
**SECTIONAL VIEW 3D 32, 40, 50, 65 SERIES - up to 11 kW**

**2 Poles**



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

**2 Poles**



# 3D SERIES

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

### MATERIALS TABLE

| Ref. | Name                                    | Materials                                |
|------|---|--|
| 001  | Pump casing                             | Cast iron EN-GJL-250-EN 1561             |
| 003  | Motor bracket                           | [1]                                      |
| 004  | Casing cover                            | EN 1.4301 (AISI 304)                     |
| 006  | Shaft (part in contact with the liquid) | EN 1.4301 (AISI 304)                     |
| 007  | Impeller                                | [2]                                      |
| 011  | Mechanical seal                         | Ceramic/Carbon/NBR                       |
| 012  | Motor frame                             | -  |
| 013  | Motor cover                             | Aluminium                                |
| 014  | Fan                                     | PA                                       |
| 015  | Fan cover                               | Galvanised Fe P04                        |
| 016  | Terminal Box                            | -  |
| 017  | Terminal Box cover                      | Aluminium (for three phase version only) |
| 018  | Splash washer                           | NBR                                      |
| 019  | Bearing (pump side)                     | -  |
| 020  | Bearing (motor side)                    | -  |
| 021  | Adjustment ring                         | Steel C70                                |
| 022  | Tie-rod                                 | Galvanised Fe 42                         |
|      | Screw                                   | Galvanised steel 8.8 class ISO 898-1     |
| 024  | Plug                                    | Brass                                    |
| 025  | Plug                                    | Brass                                    |
| 026  | O-Ring                                  | NBR [3]                                  |
| 032  | Key                                     | EN 1.4401 (AISI 316)                     |
| 034  | Impeller nut                            | EN 1.4301 (AISI 304)                     |
| 042  | Motor support                           | Aluminium / Galvanised steel             |
| 056  | Terminal box gasket                     | NBR                                      |
| 058  | Cable gland                             | -  |
| 072  | Casing ring [4]                         | EN 1.4301 (AISI 304)                     |
| 075  | Washer                                  | Aluminium                                |
| 076  | Washer                                  | Aluminium                                |
| 092  | Seal ring                               | -  |
| 093  | Seal 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 SERIES and models with 15, 18.5 and 22 kW; aluminium AL-EN-1706-AC-46000-D for the other models

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

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

[4]= Only for SERIES 3D 32-200, 40-200, 50-160, 50-200/9,2 and 50-200/11

[5]= Only for 9.2 and 11 kW models

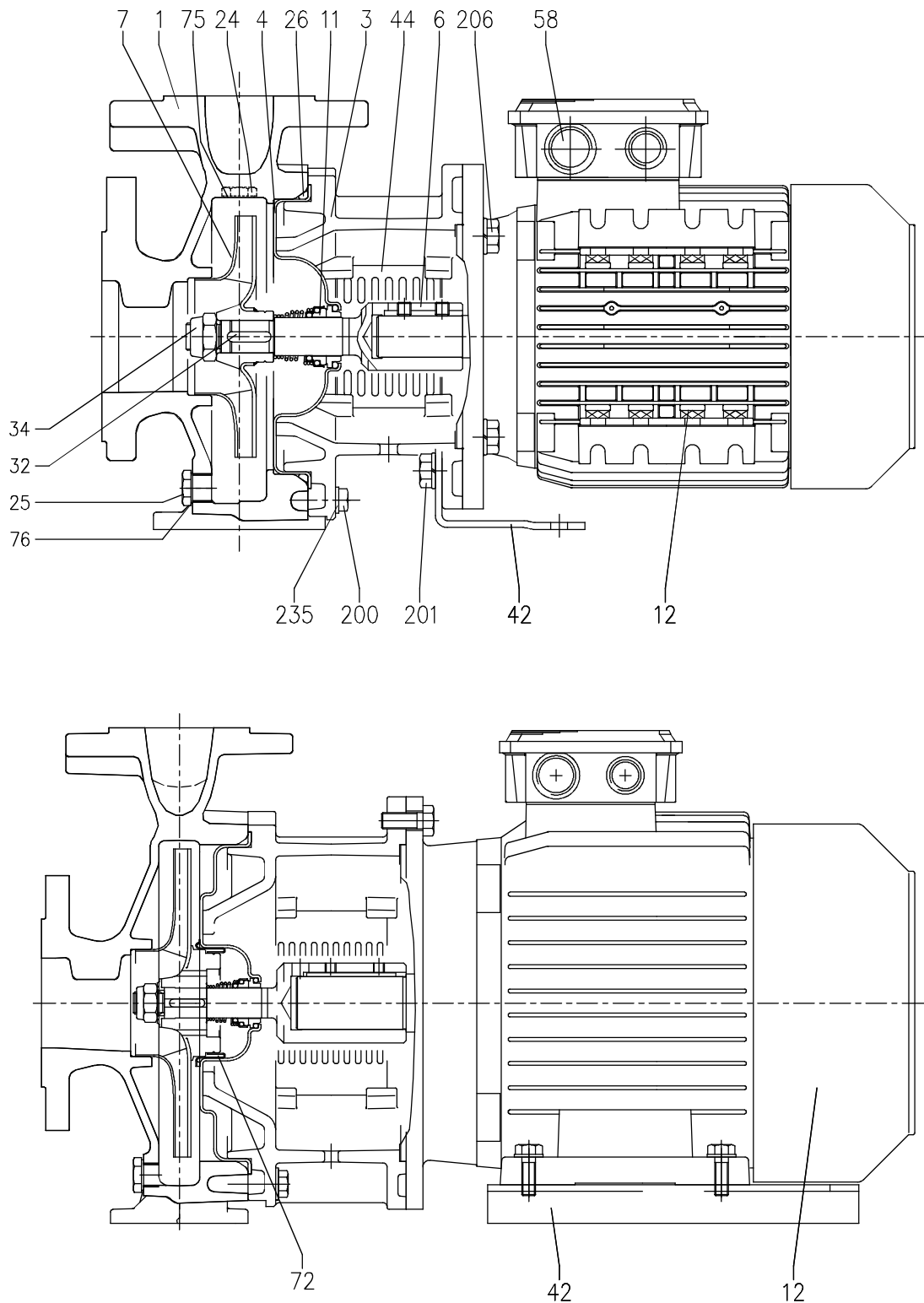
[6]= Only for models starting from 15 kW and over

## 3D SERIES

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

SECTIONAL VIEW 3DS 32, 40, 50 SERIES

2 Poles

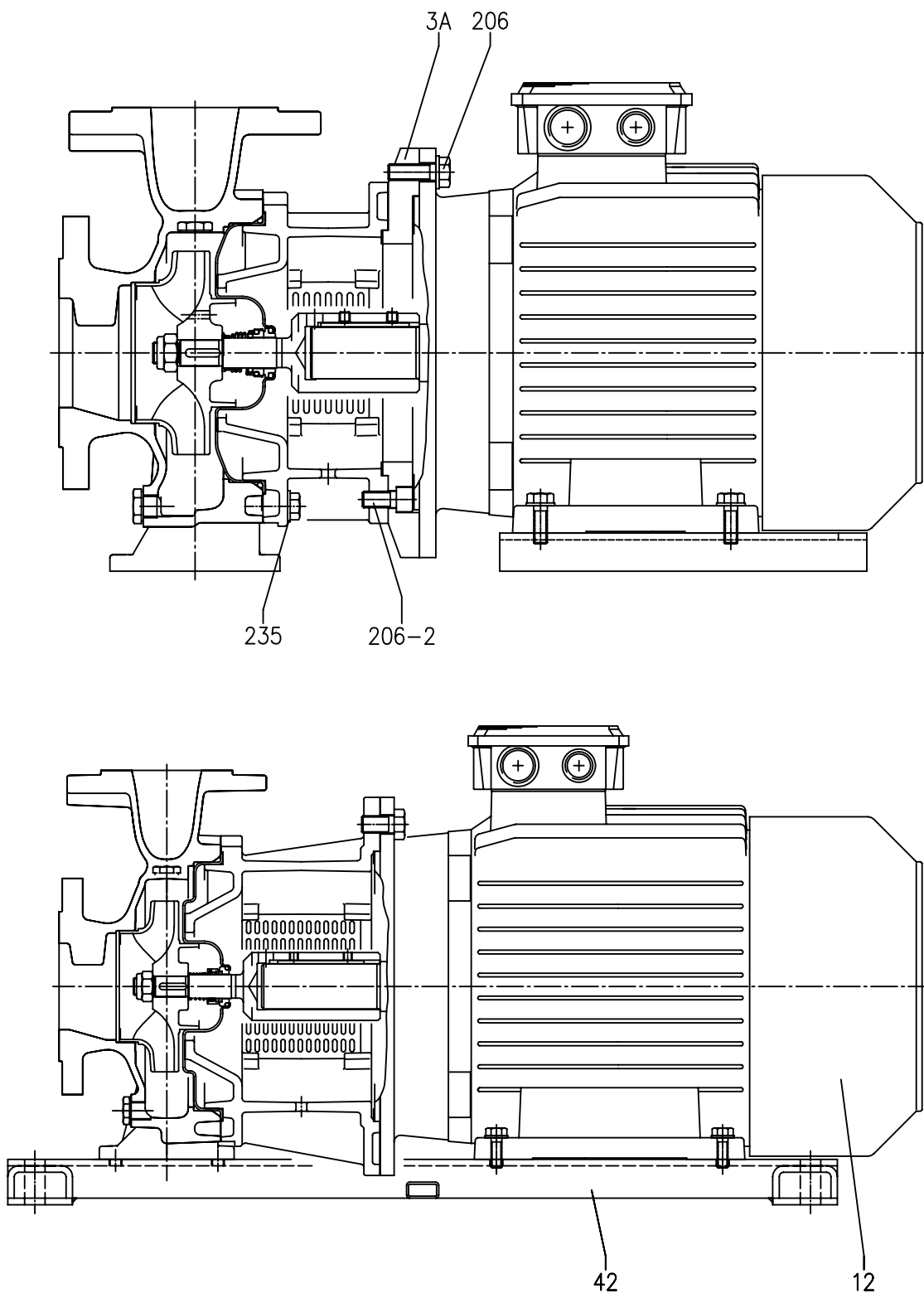


## 3D SERIES

**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

| Ref.  | Name                                    | Materials                            |
|-------|---|--------------------------------------|
| 001   | Pump casing                             | Cast iron EN-GJL-250-EN 1561         |
| 003   | Motor bracket                           | Cast iron EN-GJL-250-EN 1561         |
| 003A  | Adapter ring [1]                        | Cast iron EN-GJL-250-EN 1561         |
| 004   | Shaft                                   | EN 1.4301 (AISI 304)                 |
| 006   | Joint (part in contact with the liquid) | EN 1.4301 (AISI 304)                 |
| 007   | Impeller                                | [2]                                  |
| 011   | Mechanical seal                         | Ceramic/Carbon/NBR                   |
| 012   | Motor                                   | -                                    |
| 024   | Plug                                    | Brass                                |
| 025   | Plug                                    | Brass                                |
| 026   | O-Ring                                  | NBR [3]                              |
| 032   | Key                                     | EN 1.4401 (AISI 316)                 |
| 034   | Impeller nut                            | EN 1.4301 (AISI 304)                 |
| 042   | Motor support                           | Galvanised steel                     |
| 044   | Support protection                      | EN 1.4301 (AISI 304)                 |
| 058   | Cable gland                             | -                                    |
| 072   | Casing 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 3D SERIES models 65-125/5.5 and 65-125/7.5

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

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

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

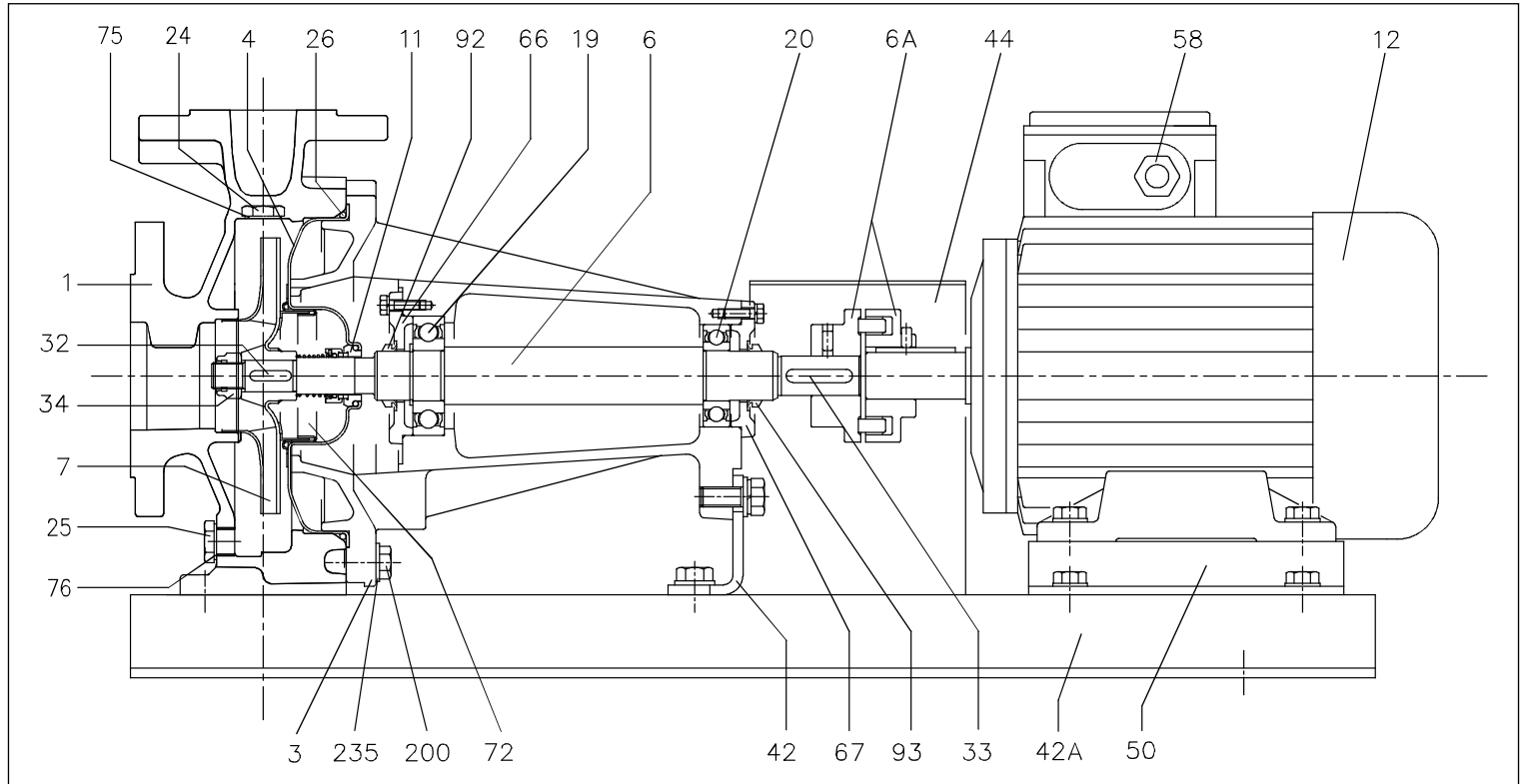
[5]= Only for 3D SERIES models 32-125/1.1, 32-160/1.5, 32-160/2.2, 40-125/1.5, 40-125/2.2, 50-125/2.2

# 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

| Ref. | Name                                    | Materials                            |
|------|---|--------------------------------------|
| 001  | Pump casing                             | Cast iron EN-GJL-250-EN 1561         |
| 003  | Motor bracket                           | Cast iron EN-GJL-250-EN 1561         |
| 004  | Casing cover                            | EN 1.4301 (AISI 304)                 |
| 006  | Shaft (part in contact with the 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  | Plug                                    | Brass                                |
| 025  | 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                            | Galvanised Fe 37                     |
| 042A | Base                                    | Galvanised Fe 37                     |
| 044  | Support protection                      | Galvanised Fe 37                     |
| 050  | Motor support                           | 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  | Casing 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

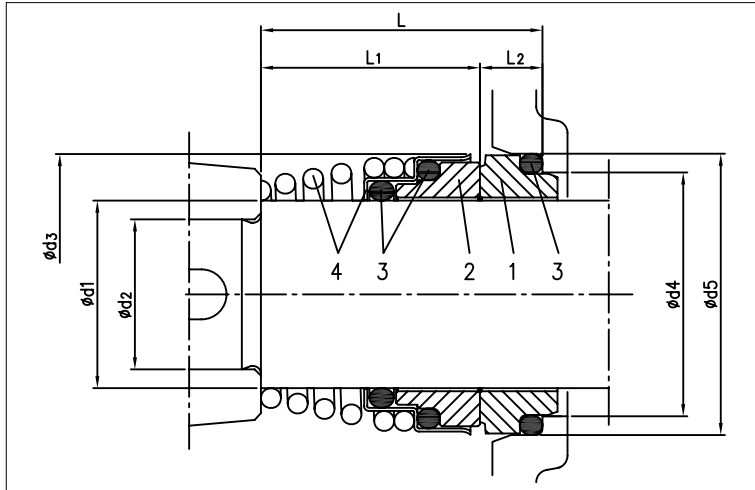
[2]= FKM for H, HS, HW, HSW versions; EPDM for E version

[3]= Only for 3D SERIES models 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

| Ref. | Name           | Materials            |
|------|----------------|----------------------|
| 1    | Fixed part     | Carbon               |
| 2    | Rotating part  | Ceramic              |
| 3    | Gasket         | NBR                  |
| 4    | Frame + spring | EN 1.4401 (AISI 316) |

#### SPECIAL MECHANICAL SEALS (On request)

| Name           | H Version            | HS Version             | Materials<br>HW Version | HSW Version          | E Version            |
|----------------|----------------------|------------------------|-------------------------|----------------------|----------------------|
| Fixed part     | Carbon               | Silicon Carbide        | Tungsten Carbide        | Tungsten Carbide     | Carbon               |
| Rotating part  | Ceramic              | Silicon Carbide        | Tungsten Carbide        | Silicon Carbide      | Ceramic              |
| Gasket         | FKM                  | FKM                    | FKM                     | FKM                  | EPDM                 |
| 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) |

#### SPECIAL MECHANICAL SEALS (On request)

| Name          | U3U3EGG Version  | U3CEGG Version   | Materials<br>Q1Q1EGG Version | Q1U3EGG Version  | Q1AEGG Version    |
|---------------|------------------|------------------|------------------------------|------------------|-------------------|
| Fixed part    | Tungsten Carbide | Tungsten Carbide | Silicon Carbide              | Silicon Carbide  | Silicon Carbide   |
| Rotating Part | Tungsten Carbide | Special carbon   | Silicon Carbide              | Tungsten Carbide | Metallised carbon |
| Elastomers    | EPDM             | EPDM             | EPDM                         | EPDM             | EPDM              |
| Spring        | AISI 316         | AISI 316         | AISI 316                     | AISI 316         | AISI 316          |



# 3D SERIES

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

ELECTRIC DATA TABLE 3D SERIES

2 Poles

| Model           | Single phase<br>230V | Three phase<br>230/400/690V | P <sub>i</sub> |      | Efficiency   |             | Capacitor          |     | Efficiency (%) |      |      | P <sub>i</sub>       |                     | Absorbed Current<br>[A] |             |      |      |
|-----------------|----------------------|-----------------------------|----------------|------|--------------|-------------|--------------------|-----|----------------|------|------|----------------------|---------------------|-------------------------|-------------|------|------|
|                 |                      |                             | [HP]           | [kW] | Single phase | Three phase | Single phase<br>µF | V.  | Three phase    |      |      | Single phase<br>[kW] | Three phase<br>[kW] | Single phase<br>230V    | Three phase |      |      |
|                 |                      |                             |                |      |              |             |                    |     | 50%            | 75%  | 100% |                      |                     |                         | 230V        | 400V | 690V |
| 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 | 1.51                 | 1.82                | 6.7                     | 5.6         | 3.2  | -    |
| -               | -                    | -                           | 1.5            | 1.1  | -            | IE3         | -                  | -   | 83.0           | 85.8 | 85.6 | -                    | 1.77                | -                       | 5.8         | 3.3  | -    |
| 3D 32-160/1.5 M | -                    | 3D 32-160/1.5               | 2              | 1.5  | -            | IE2         | 40                 | 450 | 79.5           | 82.0 | 82.5 | 2.10                 | 1.82                | 9.6                     | 5.6         | 3.2  | -    |
| -               | -                    | -                           | 2              | 1.5  | -            | IE3         | -                  | -   | 83.0           | 85.8 | 85.6 | -                    | 1.77                | -                       | 5.8         | 3.3  | -    |
| 3D 32-160/2.2 M | -                    | 3D 32-160/2.2               | 3              | 2.2  | -            | IE2         | 50                 | 450 | 83.1           | 85.7 | 86.2 | 2.95                 | 2.55                | 13.3                    | 7.8         | 4.5  | -    |
| -               | -                    | -                           | 3              | 2.2  | -            | IE3         | -                  | -   | 86.2           | 87.0 | 86.0 | -                    | 2.55                | -                       | 8.2         | 4.7  | -    |
| -               | -                    | 3D 32-200/3.0               | 4              | 3    | -            | IE2         | -                  | -   | 85.0           | 86.7 | 86.3 | -                    | 3.48                | -                       | 10.6        | 6.1  | -    |
| -               | -                    | -                           | 4              | 3    | -            | IE3         | -                  | -   | 85.9           | 87.5 | 87.1 | -                    | 3.44                | -                       | 11.1        | 6.4  | -    |
| -               | -                    | 3D 32-200/4.0               | 5.5            | 4    | -            | IE2         | -                  | -   | 84.3           | 87.2 | 87.8 | -                    | 4.56                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | -                           | 5.5            | 4    | -            | IE3         | -                  | -   | 85.8           | 88.3 | 88.4 | -                    | 4.52                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | 3D 32-200/7.5               | 10             | 7.5  | -            | IE3         | -                  | -   | 89.0           | 90.7 | 90.8 | -                    | 8.26                | -                       | -           | 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 | 2.10                 | 1.82                | 9.6                     | 5.6         | 3.2  | -    |
| -               | -                    | -                           | 2              | 1.5  | -            | IE3         | -                  | -   | 83.0           | 85.8 | 85.6 | -                    | 1.77                | -                       | 5.8         | 3.3  | -    |
| 3D 40-125/2.2 M | -                    | 3D 40-125/2.2               | 3              | 2.2  | -            | IE2         | 50                 | 450 | 83.1           | 85.7 | 86.2 | 2.95                 | 2.55                | 13.3                    | 7.8         | 4.5  | -    |
| -               | -                    | -                           | 3              | 2.2  | -            | IE3         | -                  | -   | 86.2           | 87.0 | 86.0 | -                    | 2.55                | -                       | 8.2         | 4.7  | -    |
| -               | -                    | 3D 40-160/3.0               | 4              | 3    | -            | IE2         | -                  | -   | 85.0           | 86.7 | 86.3 | -                    | 3.48                | -                       | 10.6        | 6.1  | -    |
| -               | -                    | -                           | 4              | 3    | -            | IE3         | -                  | -   | 85.9           | 87.5 | 87.1 | -                    | 3.44                | -                       | 11.1        | 6.4  | -    |
| -               | -                    | 3D 40-160/4.0               | 5.5            | 4    | -            | IE2         | -                  | -   | 84.3           | 87.2 | 87.8 | -                    | 4.56                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | -                           | 5.5            | 4    | -            | IE3         | -                  | -   | 85.8           | 88.3 | 88.4 | -                    | 4.52                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | 3D 40-200/5.5               | 7.5            | 5.5  | -            | IE2         | -                  | -   | 82.9           | 86.0 | 87.4 | -                    | 6.29                | -                       | -           | 10.4 | 6.0  |
| -               | -                    | -                           | 7.5            | 5.5  | -            | IE3         | -                  | -   | 89.2           | 90.6 | 90.4 | -                    | 6.09                | -                       | -           | 10.6 | 6.1  |
| -               | -                    | 3D 40-200/7.5               | 10             | 7.5  | -            | IE3         | -                  | -   | 89.0           | 90.7 | 90.8 | -                    | 8.26                | -                       | -           | 13.6 | 7.9  |
| -               | -                    | 3D 40-200/11                | 15             | 11   | -            | IE3         | -                  | -   | 90.4           | 91.2 | 91.8 | -                    | 11.98               | -                       | -           | 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 | 2.95                 | 2.55                | 13.3                    | 7.8         | 4.5  | -    |
| -               | -                    | -                           | 3              | 2.2  | -            | IE3         | -                  | -   | 86.2           | 87.0 | 86.0 | -                    | 2.55                | -                       | 8.2         | 4.7  | -    |
| -               | -                    | 3D 50-125/3.0               | 4              | 3    | -            | IE2         | -                  | -   | 85.0           | 86.7 | 86.3 | -                    | 3.48                | -                       | 10.6        | 6.1  | -    |
| -               | -                    | -                           | 4              | 3    | -            | IE3         | -                  | -   | 85.9           | 87.5 | 87.1 | -                    | 3.44                | -                       | 11.1        | 6.4  | -    |
| -               | -                    | 3D 50-125/4.0               | 5.5            | 4    | -            | IE2         | -                  | -   | 84.3           | 87.2 | 87.8 | -                    | 4.56                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | -                           | 5.5            | 4    | -            | IE3         | -                  | -   | 85.8           | 88.3 | 88.4 | -                    | 4.52                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | 3D 50-160/5.5               | 7.5            | 5.5  | -            | IE2         | -                  | -   | 82.9           | 86.0 | 87.4 | -                    | 6.29                | -                       | -           | 10.4 | 6.0  |
| -               | -                    | -                           | 7.5            | 5.5  | -            | IE3         | -                  | -   | 89.2           | 90.6 | 90.4 | -                    | 6.09                | -                       | -           | 10.6 | 6.1  |
| -               | -                    | 3D 50-160/7.5               | 10             | 7.5  | -            | IE3         | -                  | -   | 89.0           | 90.7 | 90.8 | -                    | 8.26                | -                       | -           | 13.6 | 7.9  |
| -               | -                    | 3D 50-200/9.2               | 12.5           | 9.2  | -            | IE3         | -                  | -   | 90.1           | 90.8 | 90.9 | -                    | 10.12               | -                       | -           | 17.2 | 10.0 |
| -               | -                    | 3D 50-200/11                | 15             | 11   | -            | IE3         | -                  | -   | 90.4           | 91.2 | 91.8 | -                    | 11.98               | -                       | -           | 21.3 | 12.3 |
| -               | -                    | 3D 50-200/15                | 20             | 15   | -            | IE3         | -                  | -   | 91.2           | 92.0 | 91.9 | -                    | 16.32               | -                       | -           | 27.7 | 17.3 |
| -               | -                    | 3D 65-125/4.0               | 5.5            | 4    | -            | IE2         | -                  | -   | 84.3           | 87.2 | 87.8 | -                    | 4.56                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | -                           | 5.5            | 4    | -            | IE3         | -                  | -   | 85.8           | 88.3 | 88.4 | -                    | 4.52                | -                       | 15.1        | 8.7  | -    |
| -               | -                    | 3D 65-125/5.5               | 7.5            | 5.5  | -            | IE2         | -                  | -   | 82.9           | 86.0 | 87.4 | -                    | 6.29                | -                       | -           | 10.4 | 6.0  |
| -               | -                    | -                           | 7.5            | 5.5  | -            | IE3         | -                  | -   | 89.2           | 90.6 | 90.4 | -                    | 6.09                | -                       | -           | 10.6 | 6.1  |
| -               | -                    | 3D 65-125/7.5               | 10             | 7.5  | -            | IE3         | -                  | -   | 89.0           | 90.7 | 90.8 | -                    | 8.26                | -                       | -           | 13.6 | 7.9  |
| -               | -                    | 3D 65-160/7.5               | 10             | 7.5  | -            | IE3         | -                  | -   | 89.0           | 90.7 | 90.8 | -                    | 8.26                | -                       | -           | 13.6 | 7.9  |
| -               | -                    | 3D 65-160/9.2               | 12.5           | 9.2  | -            | IE3         | -                  | -   | 90.1           | 90.8 | 90.9 | -                    | 10.12               | -                       | -           | 17.2 | 10.0 |
| -               | -                    | 3D 65-160/11                | 15             | 11   | -            | IE3         | -                  | -   | 90.4           | 91.2 | 91.8 | -                    | 11.98               | -                       | -           | 21.3 | 12.3 |
| -               | -                    | 3D 65-160/15                | 20             | 15   | -            | IE3         | -                  | -   | 91.2           | 92.0 | 91.9 | -                    | 16.32               | -                       | -           | 27.7 | 17.3 |
| -               | -                    | 3D 65-200/15                | 20             | 15   | -            | IE3         | -                  | -   | 91.2           | 92.0 | 91.9 | -                    | 16.32               | -                       | -           | 27.7 | 17.3 |
| -               | -                    | 3D 65-200/18.5              | 25             | 18.5 | -            | IE3         | -                  | -   | 91.6           | 93.0 | 92.6 | -                    | 19.98               | -                       | -           | 35.0 | 20.3 |
| -               | -                    | 3D 65-200/22                | 30             | 22   | -            | IE3         | -                  | -   | 92.0           | 93.1 | 93.2 | -                    | 23.58               | -                       | -           | 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

| Model                                     |   | P <sub>1</sub> |      | Grand.<br>motor | Efficiency<br>motor | Efficiency (%)<br>Three phase |      |      | P <sub>2</sub><br>Three phase<br>[kW] | Absorbed Current<br>[A] |             |      |
|---|---|----------------|------|-----------------|---------------------|-------------------------------|------|------|---------------------------------------|-------------------------|-------------|------|
| 3DS SERIES<br>Three phase<br>230/400/690V | 3DP SERIES<br>Three phase<br>230/400/690V | [HP]           | [kW] |                 |                     | η %                           |      |      |                                       | 230V                    | Three phase |      |
|   |   |                |      |                 |                     | 50%                           | 75%  | 100% |                                       |                         | 400V        | 690V |
| 3DS 32-125/1.1                            | 3DP 32-125/1.1                            | 1.5            | 1.1  | 80              | IE2                 | 79.5                          | 81.2 | 81.5 | 1.35                                  | 4.3                     | 2.5         | -    |
|   |   | 1.5            | 1.1  |                 | IE3                 | 78.7                          | 81.7 | 82.7 | 1.26                                  | 4.2                     | 2.4         | -    |
| 3DS 32-160/1.5                            | 3DP 32-160/1.5                            | 2              | 1.5  | 90S             | IE2                 | 81.0                          | 82.8 | 82.8 | 1.77                                  | 5.5                     | 3.2         | -    |
|   |   | 2              | 1.5  |                 | IE3                 | 83.2                          | 84.8 | 84.2 | 1.77                                  | 5.2                     | 3.0         | -    |
| 3DS 32-160/2.2                            | 3DP 32-160/2.2                            | 3              | 2.2  | 90L             | IE2                 | 82.5                          | 84.0 | 84.0 | 2.59                                  | 7.6                     | 4.4         | -    |
|   |   | 3              | 2.2  |                 | IE3                 | 85.0                          | 86.2 | 86.5 | 2.61                                  | 8.0                     | 4.6         | -    |
| 3DS 32-200/3.0                            | 3DP 32-200/3.0                            | 4              | 3    | 100 L           | IE2                 | 84.1                          | 85.8 | 85.5 | 3.43                                  | 10.2                    | 5.9         | -    |
|   |   | 4              | 3    |                 | IE3                 | 82.3                          | 85.8 | 87.1 | 3.45                                  | 9.7                     | 5.6         | -    |
| 3DS 32-200/4.0                            | 3DP 32-200/4.0                            | 5.5            | 4    | 112 M           | IE2                 | 85.2                          | 86.4 | 86.1 | 4.64                                  | 13.5                    | 7.8         | -    |
|   |   | 5.5            | 4    |                 | IE3                 | 86.8                          | 87.8 | 88.1 | 4.51                                  | 12.1                    | 7.0         | -    |
| 3DS 32-200/7.5                            | 3DP 32-200/7.5                            | 10             | 7.5  | 132S            | IE3                 | 88.6                          | 89.2 | 90.1 | 8.35                                  | -                       | 13.1        | 7.6  |
| 3DS 40-125/1.5                            | 3DP 40-125/1.5                            | 2              | 1.5  | 90S             | IE2                 | 81.0                          | 82.8 | 82.8 | 1.77                                  | 5.5                     | 3.2         | -    |
|   |   | 2              | 1.5  |                 | IE3                 | 83.2                          | 84.8 | 84.2 | 1.77                                  | 5.2                     | 3.0         | -    |
| 3DS 40-125/2.2                            | 3DP 40-125/2.2                            | 3              | 2.2  | 90L             | IE2                 | 82.5                          | 84.0 | 84.0 | 2.59                                  | 7.6                     | 4.4         | -    |
|   |   | 3              | 2.2  |                 | IE3                 | 85.0                          | 86.2 | 86.5 | 2.61                                  | 8.0                     | 4.6         | -    |
| 3DS 40-160/3.0                            | 3DP 40-160/3.0                            | 4              | 3    | 100 L           | IE2                 | 84.1                          | 85.8 | 85.5 | 3.43                                  | 10.2                    | 5.9         | -    |
|   |   | 4              | 3    |                 | IE3                 | 82.3                          | 85.8 | 87.1 | 3.45                                  | 9.7                     | 5.6         | -    |
| 3DS 40-160/4.0                            | 3DP 40-160/4.0                            | 5.5            | 4    | 112 M           | IE2                 | 85.2                          | 86.4 | 86.1 | 4.64                                  | 13.5                    | 7.8         | -    |
|   |   | 5.5            | 4    |                 | IE3                 | 86.8                          | 87.8 | 88.1 | 4.51                                  | 12.1                    | 7.0         | -    |
| 3DS 40-200/5.5                            | 3DP 40-200/5.5                            | 7.5            | 5.5  | 132S            | IE2                 | 85.8                          | 87.4 | 87.3 | 6.34                                  | -                       | 10.4        | 6.0  |
|   |   | 7.5            | 5.5  |                 | IE3                 | 88.0                          | 88.5 | 89.2 | 6.24                                  | -                       | 10.0        | 5.8  |
| 3DS 40-200/7.5                            | 3DP 40-200/7.5                            | 10             | 7.5  | 132S            | IE3                 | 88.6                          | 89.2 | 90.1 | 8.35                                  | -                       | 13.1        | 7.6  |
| 3DS 40-200/11                             | 3DP 40-200/11                             | 15             | 11   | 160 M           | IE3                 | 87.4                          | 89.8 | 91.2 | 12.15                                 | -                       | 19.7        | 11.4 |
| 3DS 50-125/2.2                            | 3DP 50-125/2.2                            | 3              | 2.2  | 90L             | IE2                 | 82.5                          | 84.0 | 84.0 | 2.59                                  | 7.6                     | 4.4         | -    |
|   |   | 3              | 2.2  |                 | IE3                 | 85.0                          | 86.2 | 86.5 | 2.61                                  | 8.0                     | 4.6         | -    |
| 3DS 50-125/3.0                            | 3DP 50-125/3.0                            | 4              | 3    | 100 L           | IE2                 | 84.1                          | 85.8 | 85.5 | 3.43                                  | 10.2                    | 5.9         | -    |
|   |   | 4              | 3    |                 | IE3                 | 82.3                          | 85.8 | 87.1 | 3.45                                  | 9.7                     | 5.6         | -    |
| 3DS 50-125/4.0                            | 3DP 50-125/4.0                            | 5.5            | 4    | 112 M           | IE2                 | 85.2                          | 86.4 | 86.1 | 4.64                                  | 13.5                    | 7.8         | -    |
|   |   | 5.5            | 4    |                 | IE3                 | 86.8                          | 87.8 | 88.1 | 4.51                                  | 12.1                    | 7.0         | -    |
| 3DS 50-160/5.5                            | 3DP 50-160/5.5                            | 7.5            | 5.5  | 132S            | IE2                 | 85.8                          | 87.4 | 87.3 | 6.34                                  | -                       | 10.4        | 6.0  |
|   |   | 7.5            | 5.5  |                 | IE3                 | 88.0                          | 88.5 | 89.2 | 6.24                                  | -                       | 10.0        | 5.8  |
| 3DS 50-160/7.5                            | 3DP 50-160/7.5                            | 10             | 7.5  | 132S            | IE3                 | 88.6                          | 89.2 | 90.1 | 8.35                                  | -                       | 13.1        | 7.6  |
| 3DS 50-200/9.2                            | 3DP 50-200/9.2                            | 12.5           | 9.2  | 132M            | IE3                 | 88.6                          | 89.8 | 90.7 | 10.17                                 | -                       | 16.5        | 9.5  |
| 3DS 50-200/11                             | 3DP 50-200/11                             | 15             | 11   | 160 M           | IE3                 | 87.4                          | 89.8 | 91.2 | 12.15                                 | -                       | 19.7        | 11.4 |
| 3DS 50-200/15                             | 3DP 50-200/15                             | 20             | 15   |                 | IE3                 | 91.0                          | 91.3 | 91.9 | 16.46                                 | -                       | 26.7        | 15.4 |
| 3DS 65-125/4                              | 3DP 65-125/4                              | 5.5            | 4    | 112 M           | IE2                 | 85.2                          | 86.4 | 86.1 | 4.64                                  | 13.5                    | 7.8         | -    |
|   |   | 5.5            | 4    |                 | IE3                 | 86.8                          | 87.8 | 88.1 | 4.51                                  | 12.1                    | 7.0         | -    |
| 3DS 65-125/5.5                            | 3DP 65-125/5.5                            | 7.5            | 5.5  | 132S            | IE2                 | 85.8                          | 87.4 | 87.3 | 6.34                                  | -                       | 10.4        | 6.0  |
|   |   | 7.5            | 5.5  |                 | IE3                 | 88.0                          | 88.5 | 89.2 | 6.24                                  | -                       | 10.0        | 5.8  |
| 3DS 65-125/7.5                            | 3DP 65-125/7.5                            | 10             | 7.5  | 132S            | IE3                 | 88.6                          | 89.2 | 90.1 | 8.35                                  | -                       | 13.1        | 7.6  |
| 3DS 65-160/7.5                            | 3DP 65-160/7.5                            | 10             | 7.5  | 132M            | IE3                 | 88.6                          | 89.2 | 90.1 | 8.35                                  | -                       | 13.1        | 7.6  |
| 3DS 65-160/9.2                            | 3DP 65-160/9.2                            | 12.5           | 9.2  |                 | IE3                 | 88.6                          | 89.8 | 90.7 | 10.17                                 | -                       | 16.5        | 9.5  |
| 3DS 65-160/11                             | 3DP 65-160/11                             | 15             | 11   | 160 M           | IE3                 | 87.4                          | 89.8 | 91.2 | 12.15                                 | -                       | 19.7        | 11.4 |
| 3DS 65-160/15                             | 3DP 65-160/15                             | 20             | 15   |                 | IE3                 | 91.0                          | 91.3 | 91.9 | 16.46                                 | -                       | 26.7        | 15.4 |
| 3DS 65-200/15                             | 3DP 65-200/15                             | 20             | 15   | 160L            | IE3                 | 91.0                          | 91.3 | 91.9 | 16.46                                 | -                       | 26.7        | 15.4 |
| 3DS 65-200/18.5                           | 3DP 65-200/18.5                           | 25             | 18.5 |                 | IE3                 | 91.6                          | 92.8 | 92.4 | 20.12                                 | -                       | 33.0        | 19.1 |
| 3DS 65-200/22                             | 3DP 65-200/22                             | 30             | 22   | 180M            | IE3                 | 92.3                          | 92.9 | 92.9 | 23.69                                 | -                       | 38.0        | 22.0 |

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# 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 measurements at 1 m 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    |                          |
| 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  | 72                       |
| 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    |                          |
| 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  |                          |
| 3DS 40-200/7.5  | 3DP 40-200/7.5  | 10             | 7.5  | 72                       |
| 3DS 40-200/11   | 3DP 40-200/11   | 15             | 11   | 74                       |
| 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    |                          |
| 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  |                          |
| 3DS 50-200/9.2  | 3DP 50-200/9.2  | 12.5           | 9.2  | 72                       |
| 3DS 50-200/11   | 3DP 50-200/11   | 15             | 11   | 74                       |
| 3DS 50-200/15   | 3DP 50-200/15   | 20             | 15   |                          |
| 3DS 65-125/4.0  | 3DP 65-125/4.0  | 5.5            | 4    | <70                      |
| 3DS 65-125/5.5  | 3DP 65-125/5.5  | 7.5            | 5.5  | 72                       |
| 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  |                          |
| 3DS 65-160/11   | 3DP 65-160/11   | 15             | 11   |                          |
| 3DS 65-160/15   | 3DP 65-160/15   | 20             | 15   | 74                       |
| 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   | 77                       |

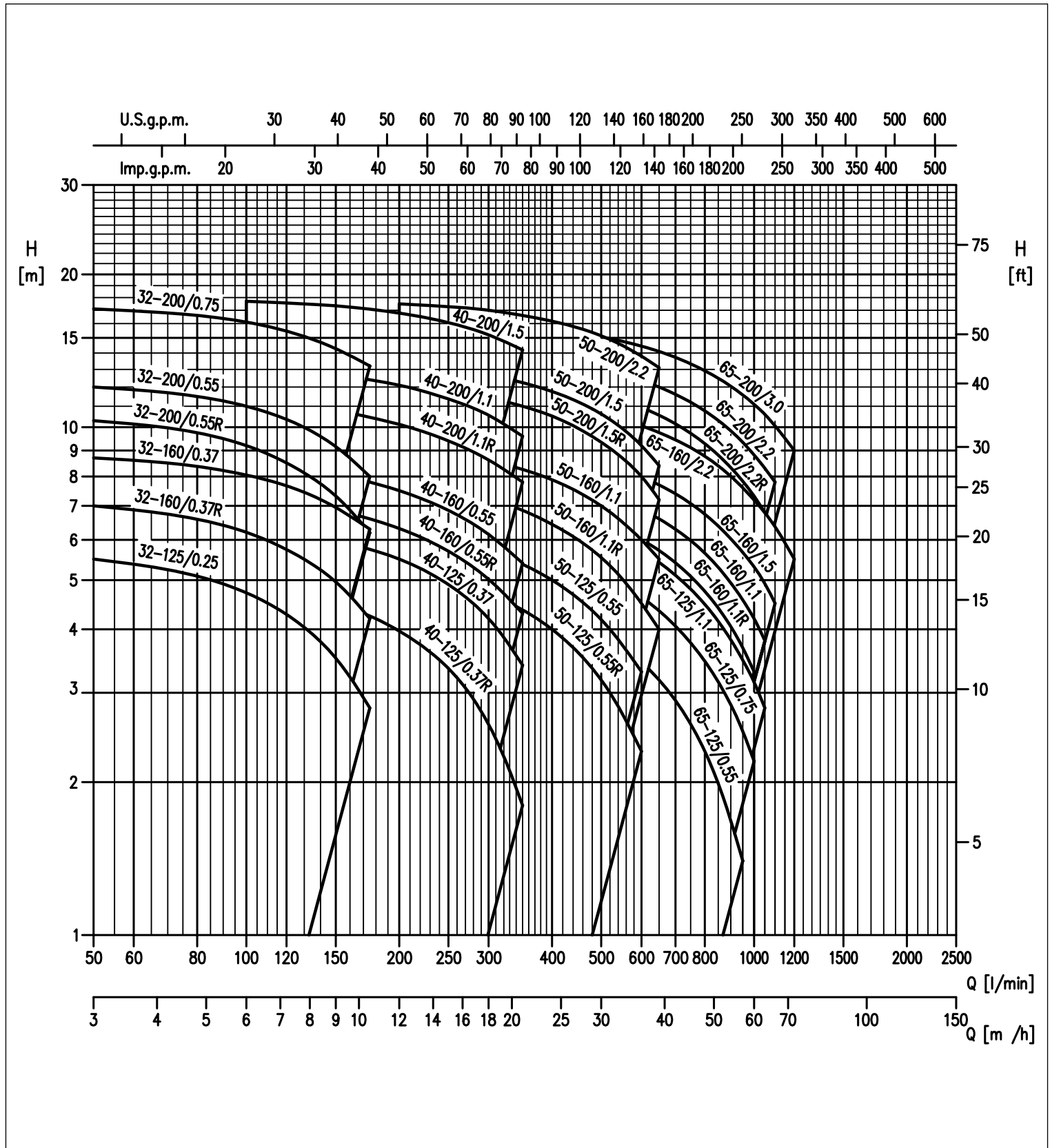
\* Mean value of several measurements at 1 m distance around the pump.  
Tolerance ± 2.5 dB.

# 3D SERIES

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

**PERFORMANCE RANGE** at  $1400 \text{ min}^{-1}$  (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 CHART SERIES 3D(.)4 32

4 Poles

| Model               | P <sub>2</sub> |      | Q = Flow Rate |            |      |      |      |
|---------------------|----------------|------|---------------|------------|------|------|------|
|                     | [HP]           | [kW] | l/min         | 50         | 100  | 150  | 175  |
|                     |                |      | m³/h          | 3          | 6    | 9    | 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 32-160/0.37R | 0.5            | 0.37 | 7.0           | 6.2        | 5.0  | 4.2  |      |
| 3D(.)4 32-160/0.37  | 0.5            | 0.37 | 8.7           | 8.1        | 7.0  | 6.3  |      |
| 3D(.)4 32-200/0.55R | 0.75           | 0.55 | 10.3          | 9.2        | 7.3  | 6.2  |      |
| 3D(.)4 32-200/0.55  | 0.75           | 0.55 | 12.0          | 11.0       | 9.2  | 8.0  |      |
| 3D(.)4 32-200/0.75  | 1              | 0.75 | 17.1          | 16.1       | 14.3 | 13.2 |      |

PERFORMANCE CHART SERIES 3D(.)4 40

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 |     |

PERFORMANCE CHART SERIES 3D(.)4 50

4 Poles

| Model              | P <sub>2</sub> |      | Q = Flow Rate |      |      |      |      |      |      |      |     |
|--------------------|----------------|------|---------------|------|------|------|------|------|------|------|-----|
|                    |                |      | l/min         | 200  | 250  | 300  | 350  | 400  | 500  | 600  | 650 |
|                    | [HP]           | [kW] | 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) 50-200/1.5   | 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 |     |

PERFORMANCE CHART SERIES 3D(.)4 65

4 Poles

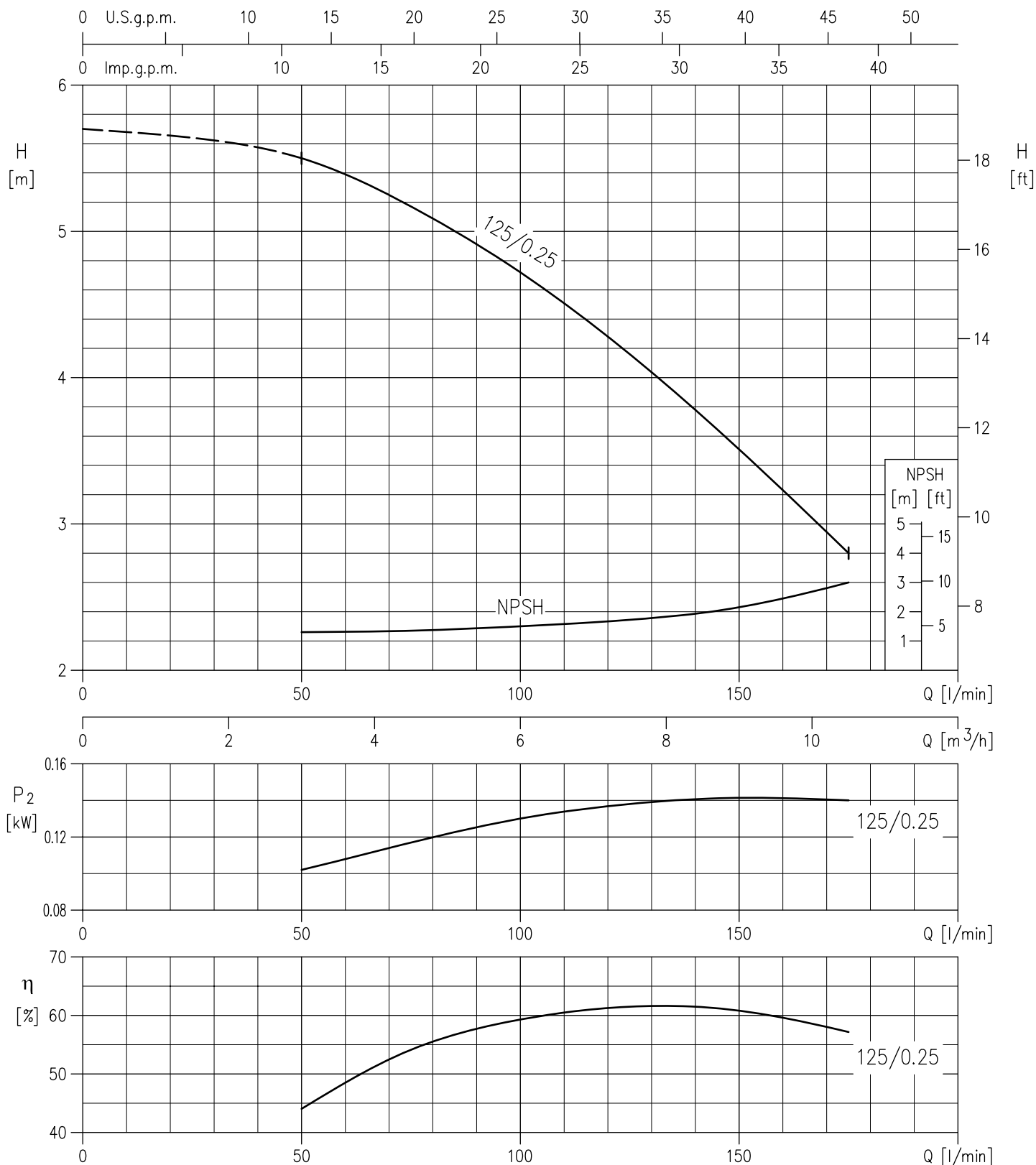
| Model              | P <sub>2</sub> |      | Q = Flow Rate |      |      |      |      |      |      |      |      |      |      |
|--------------------|----------------|------|---------------|------|------|------|------|------|------|------|------|------|------|
|                    | [HP]           | [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  | 1.5            | 1.1  | 7.2           | 7.0  | 6.3  | 5.7  | 4.5  | 3.5  | 3.2  | 2.8  | -    | -    |      |
| 3D(.)4 65-160/1.1  | 1.5            | 1.1  | -             | 8.1  | 7.4  | 6.9  | 5.7  | 4.6  | 4.2  | 3.8  | -    | -    |      |
| 3D(.)4 65-160/1.5  | 2              | 1.5  | -             | 9.2  | 8.5  | 8.0  | 6.7  | 5.7  | 5.3  | 4.9  | 4.5  | -    |      |
| 3D(.)4 65-160/2.2  | 3              | 2.2  | -             | 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              | 2.2  | -             | 12.4 | 11.6 | 10.9 | 9.3  | 7.8  | 7.3  | 6.8  | -    | -    |      |
| 3D(.)4 65-200/2.2  | 3              | 2.2  | -             | 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 | 9.0  |      |

# 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

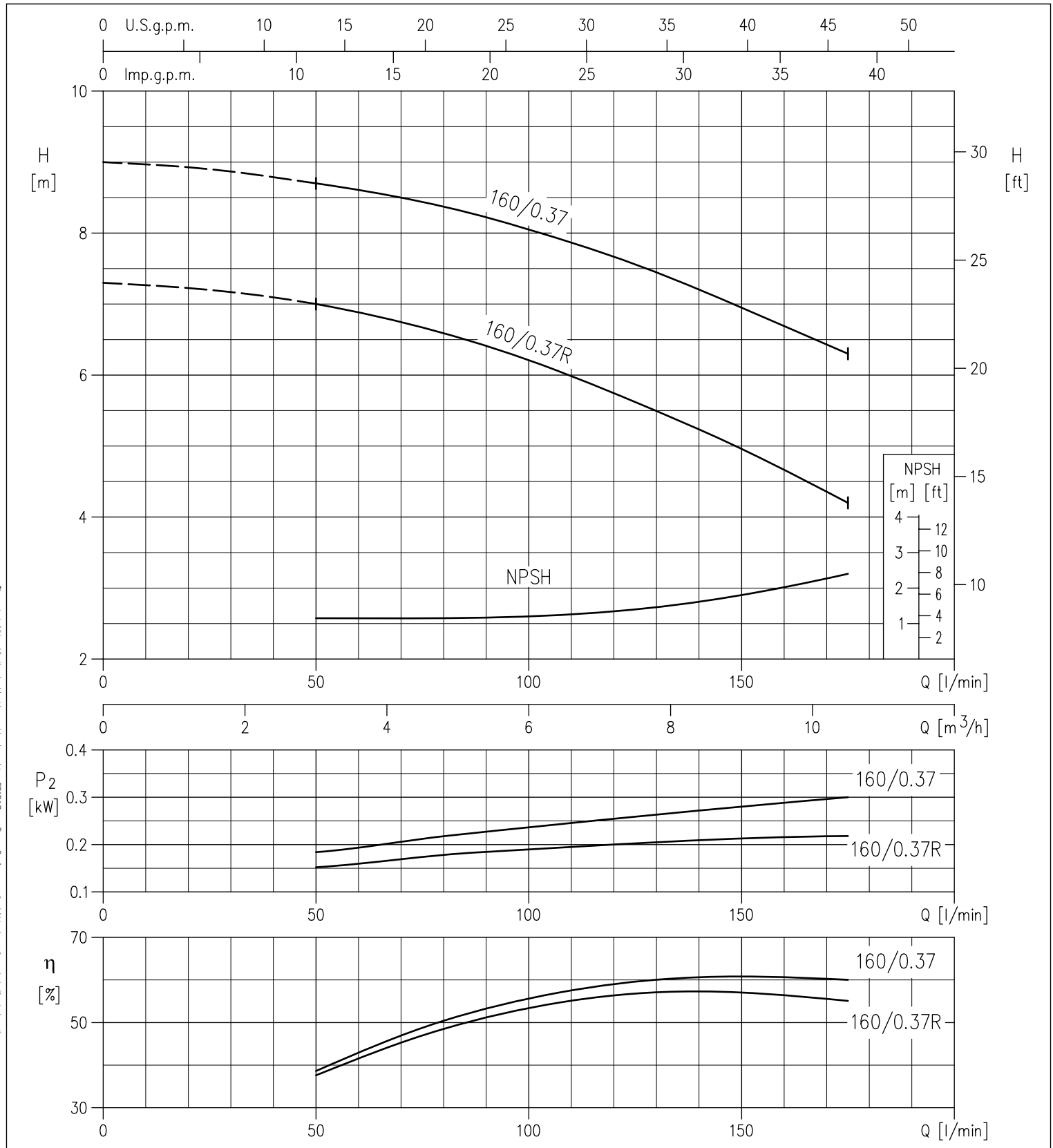


# 3D SERIES

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

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

**4 Poles**

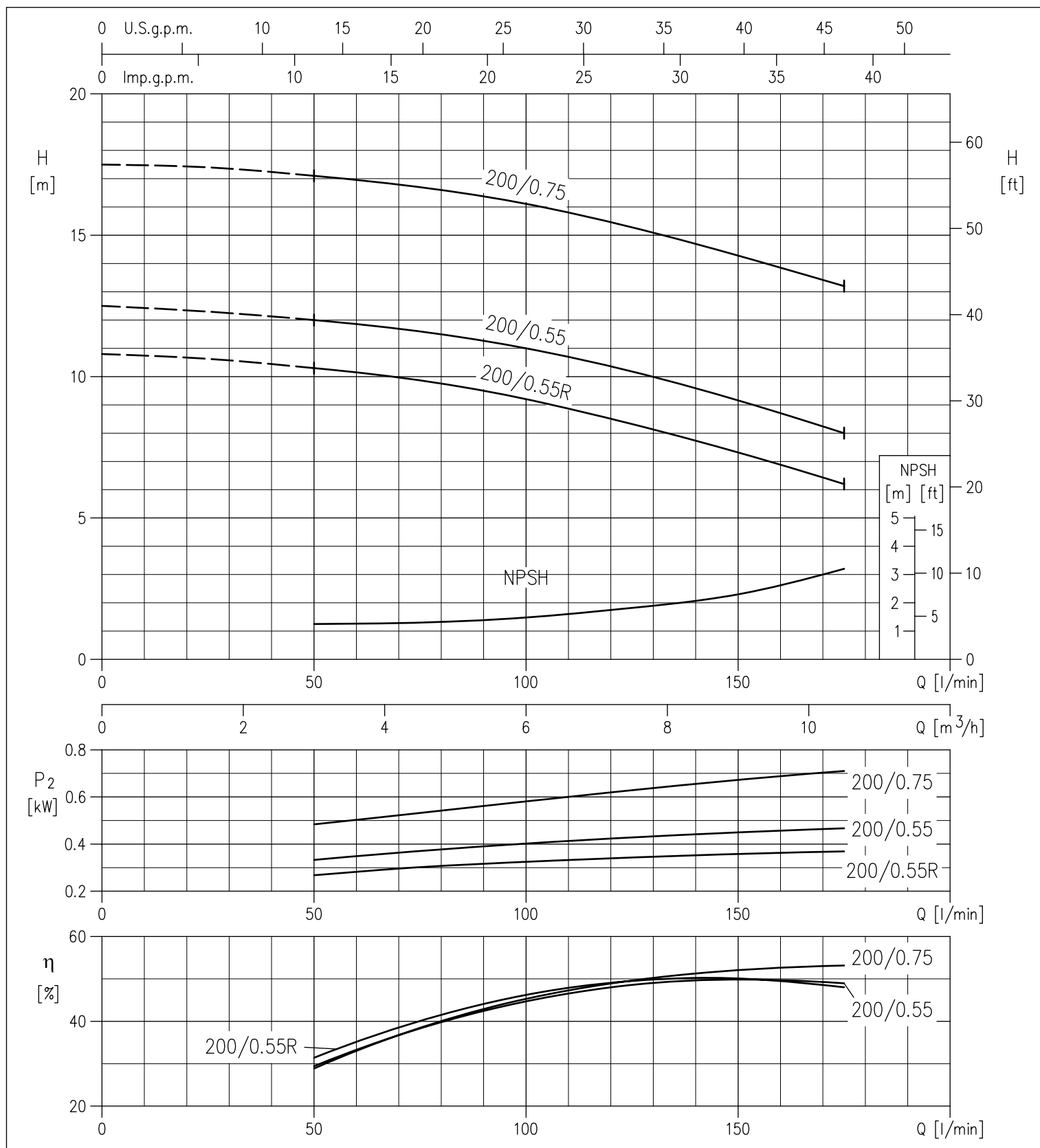


# 3D SERIES

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

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

**4 Poles**



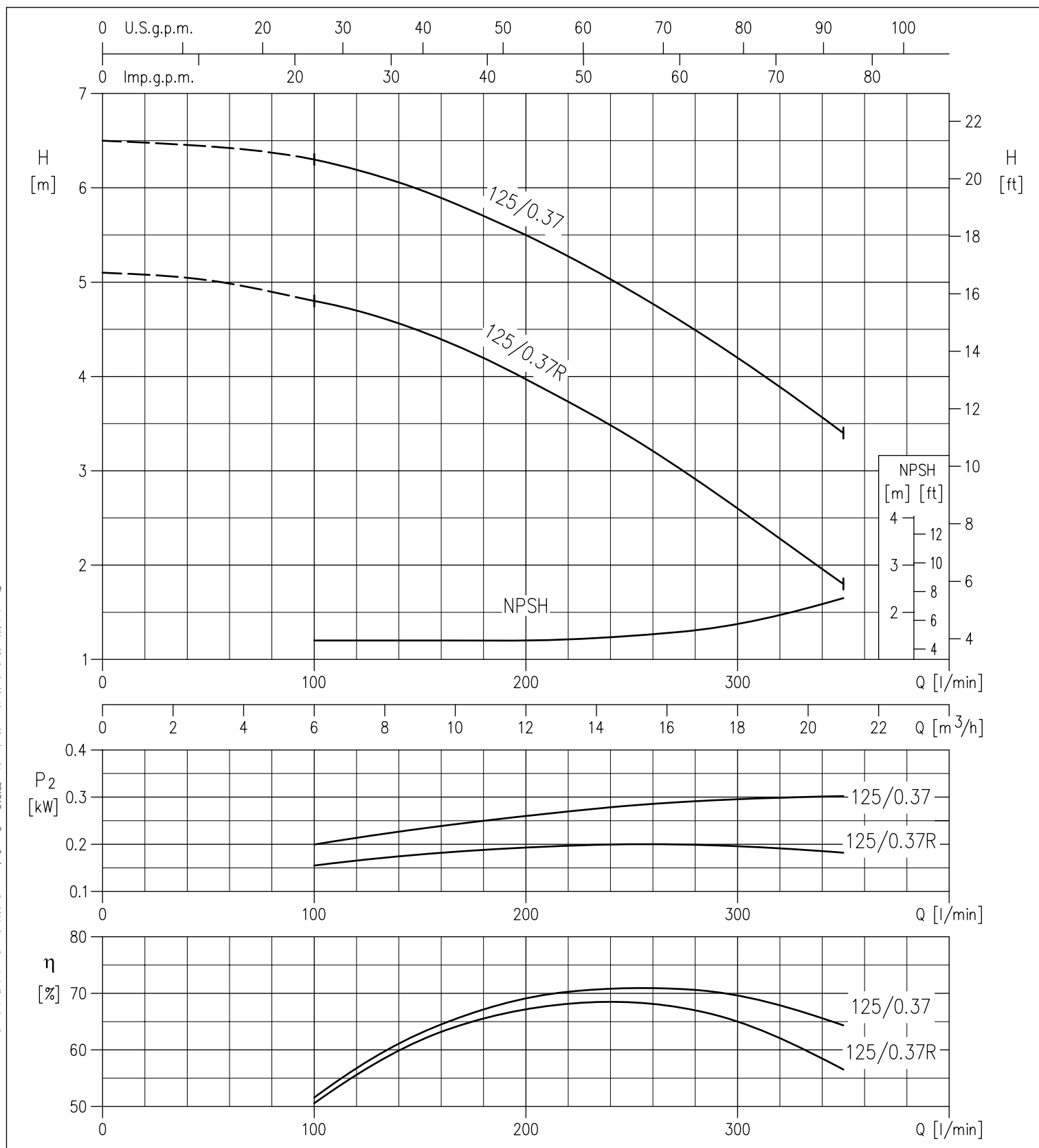


# 3D SERIES

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

**PERFORMANCE CURVES 3D(.)4 40-125 SERIES** at 1400 min<sup>-1</sup> (according to ISO 9906 Attachment A)

**4 Poles**

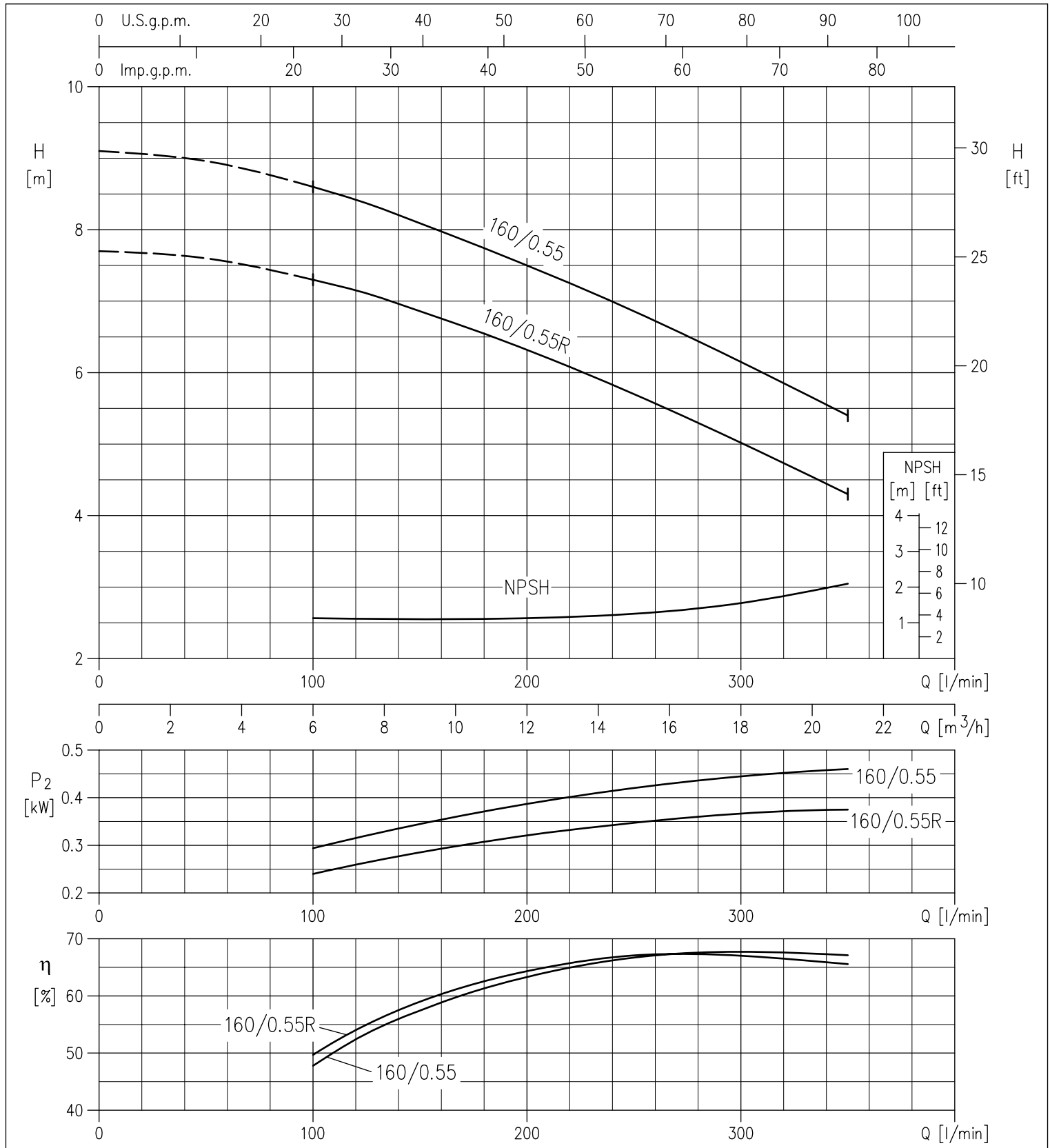


# 3D SERIES

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

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

**4 Poles**



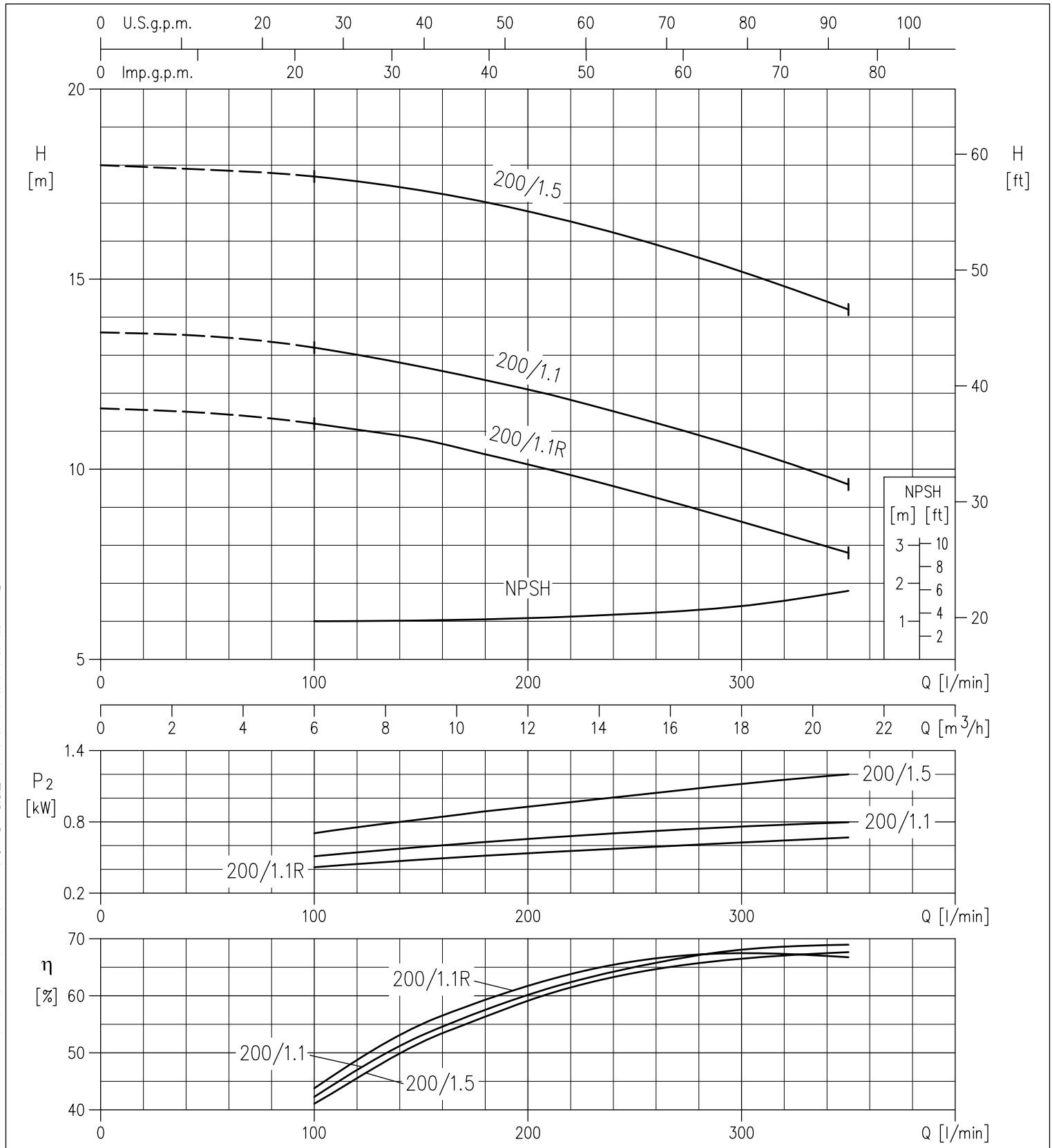
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# 3D SERIES

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

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

**4 Poles**

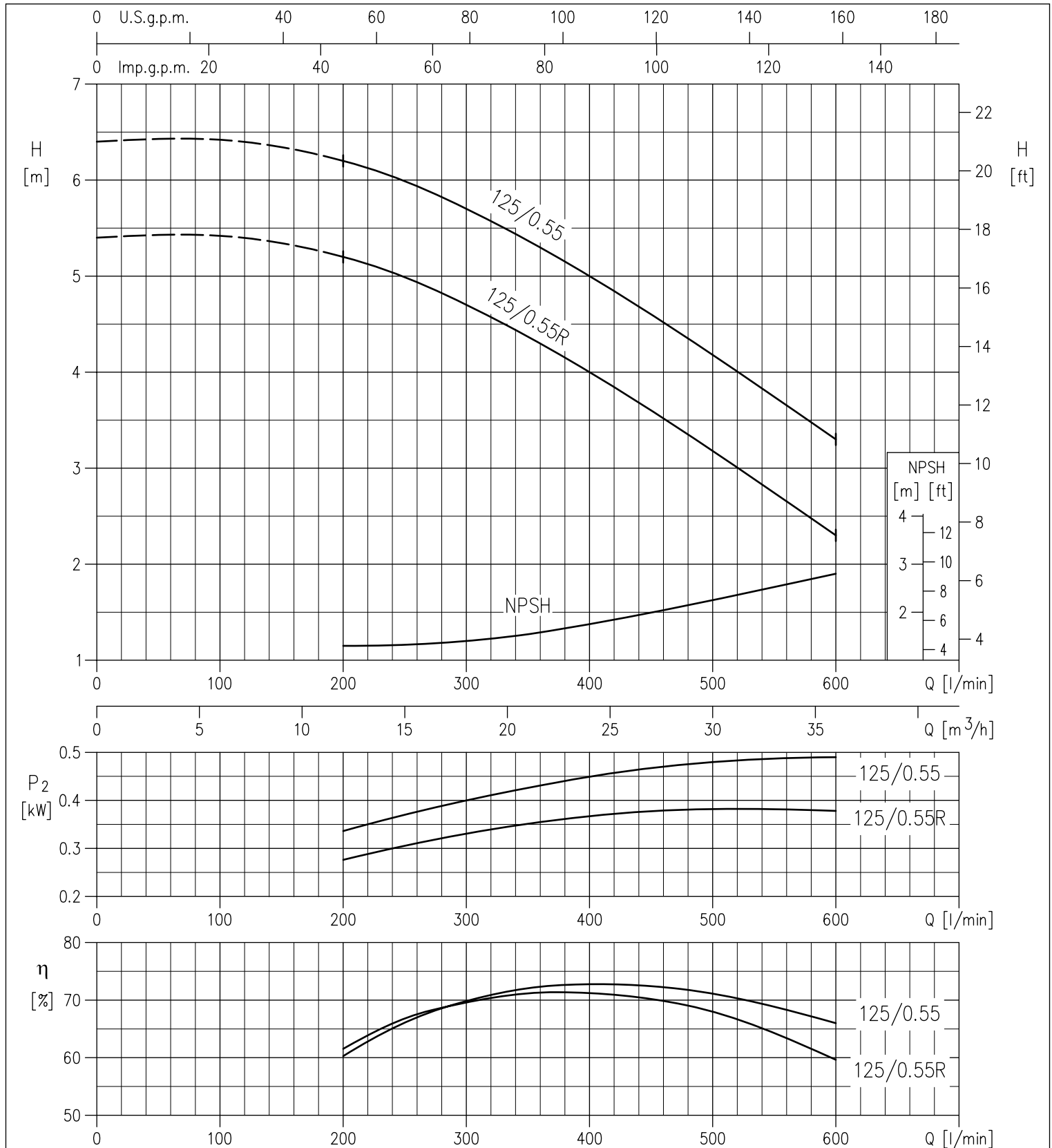


# 3D SERIES

**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**

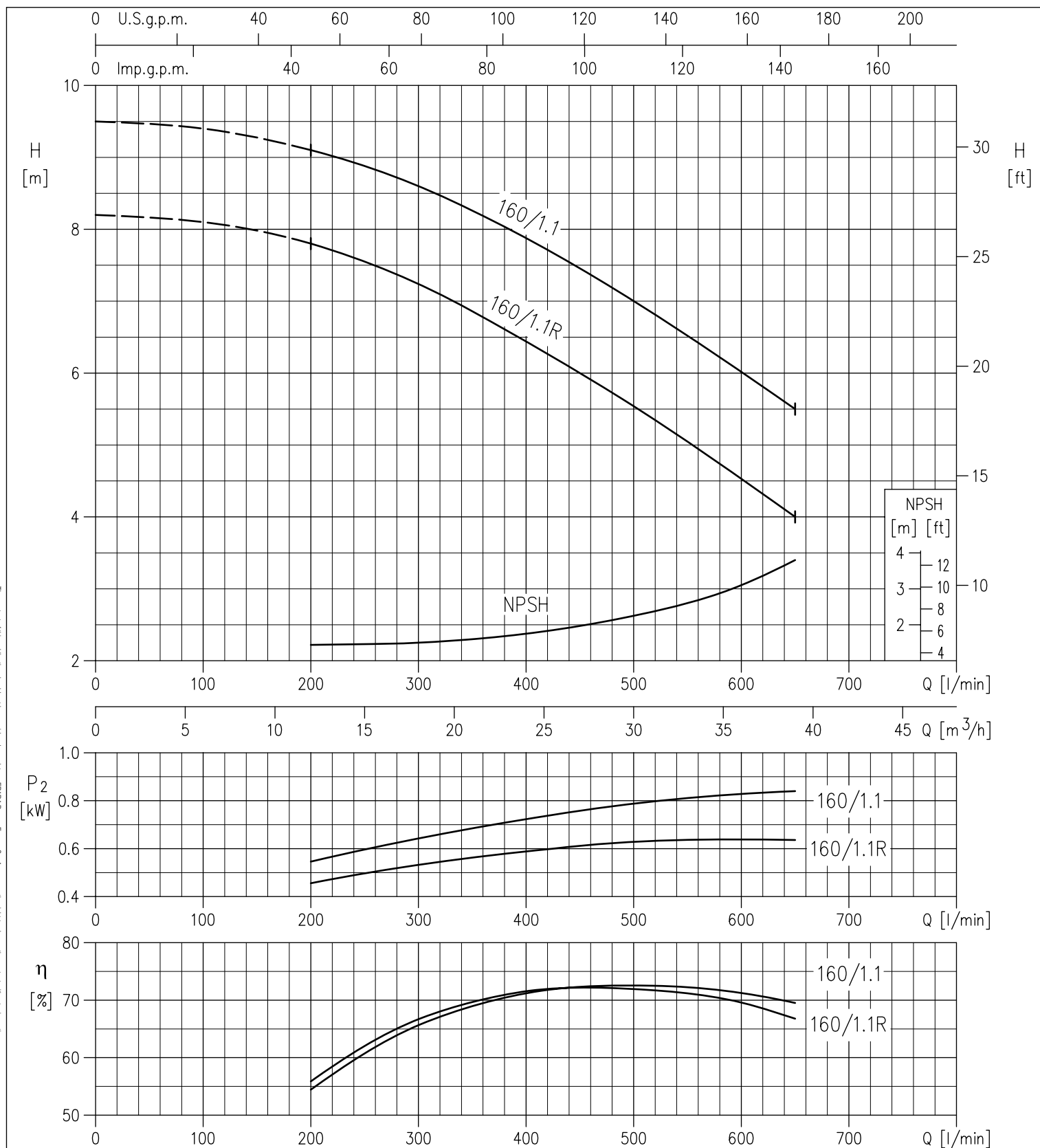


# 3D SERIES

**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**

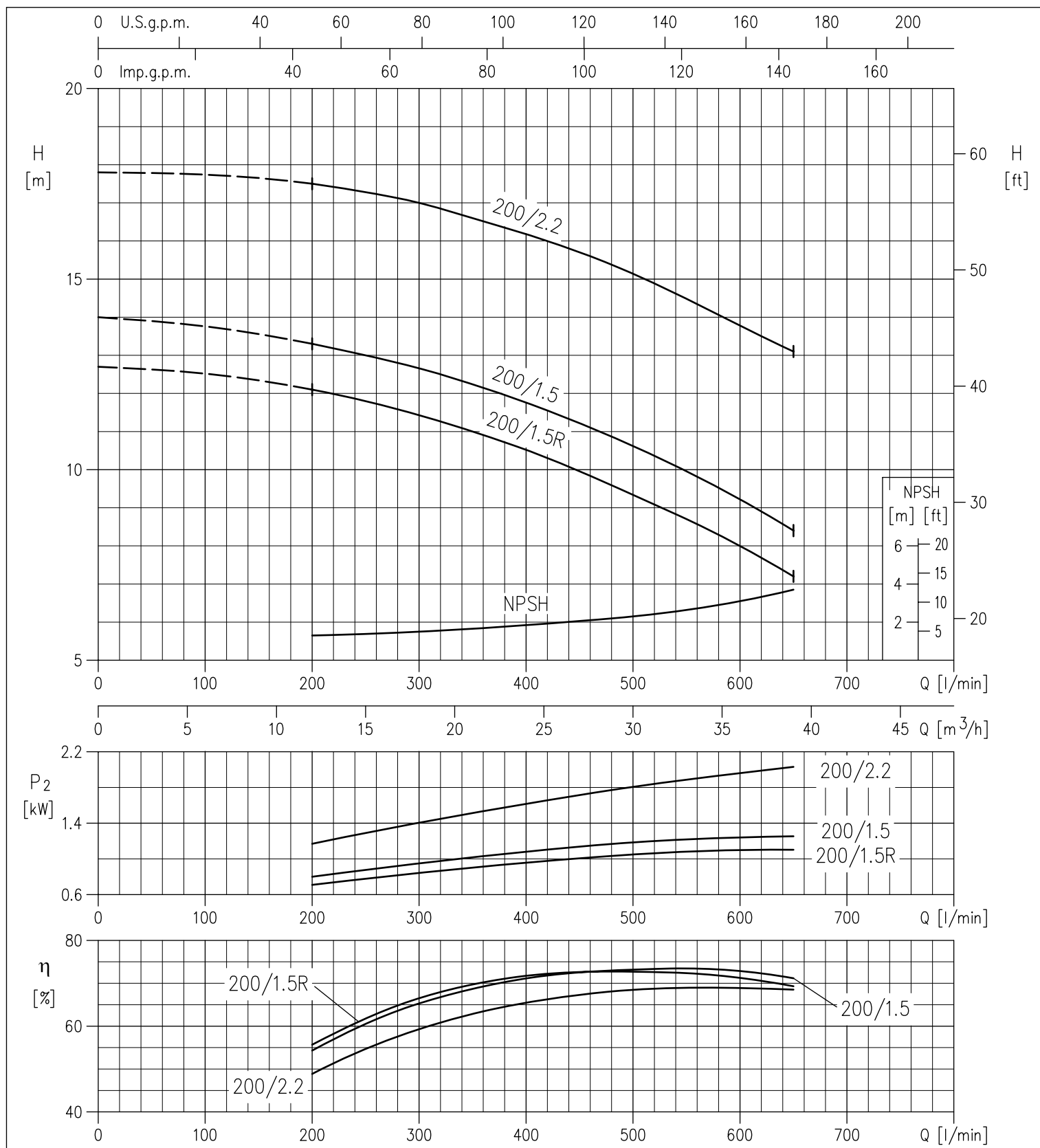


# 3D SERIES

**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**

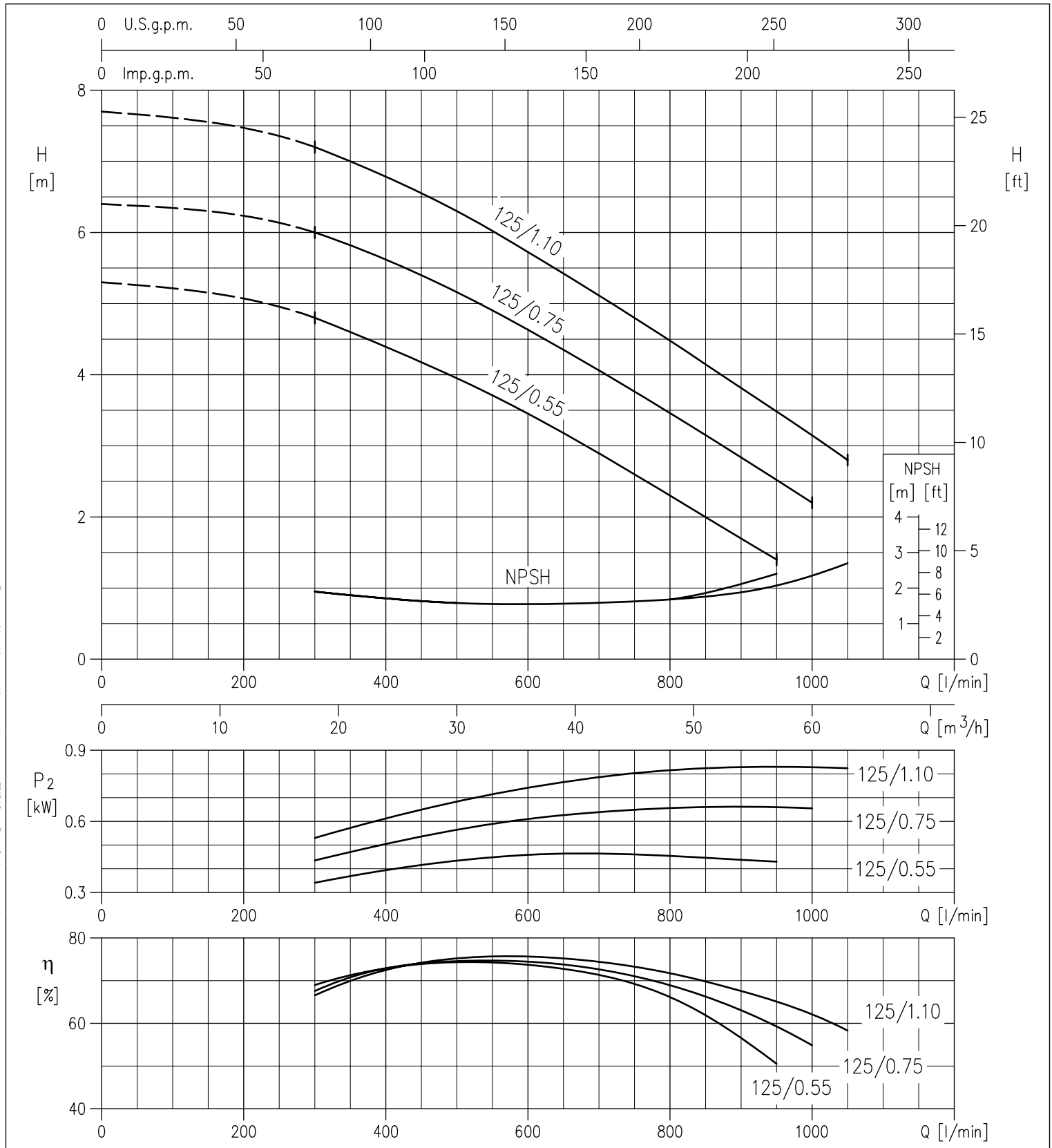


# 3D SERIES

**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**

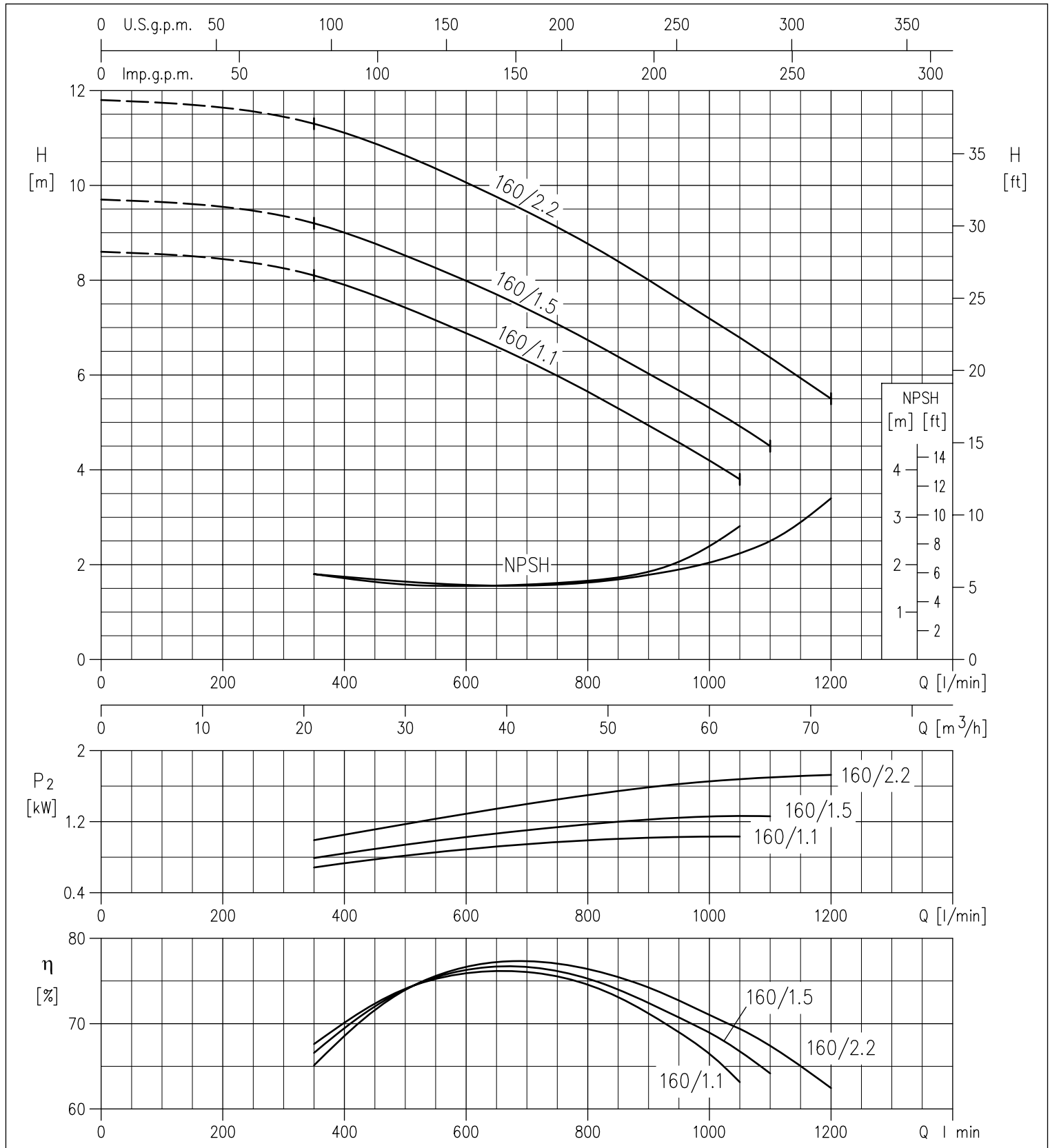


# 3D SERIES

**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**



The content of this publication should not be considered mandatory. EBARA Pumps Europe S.p.A. reserves the right to change the content without prior notice.

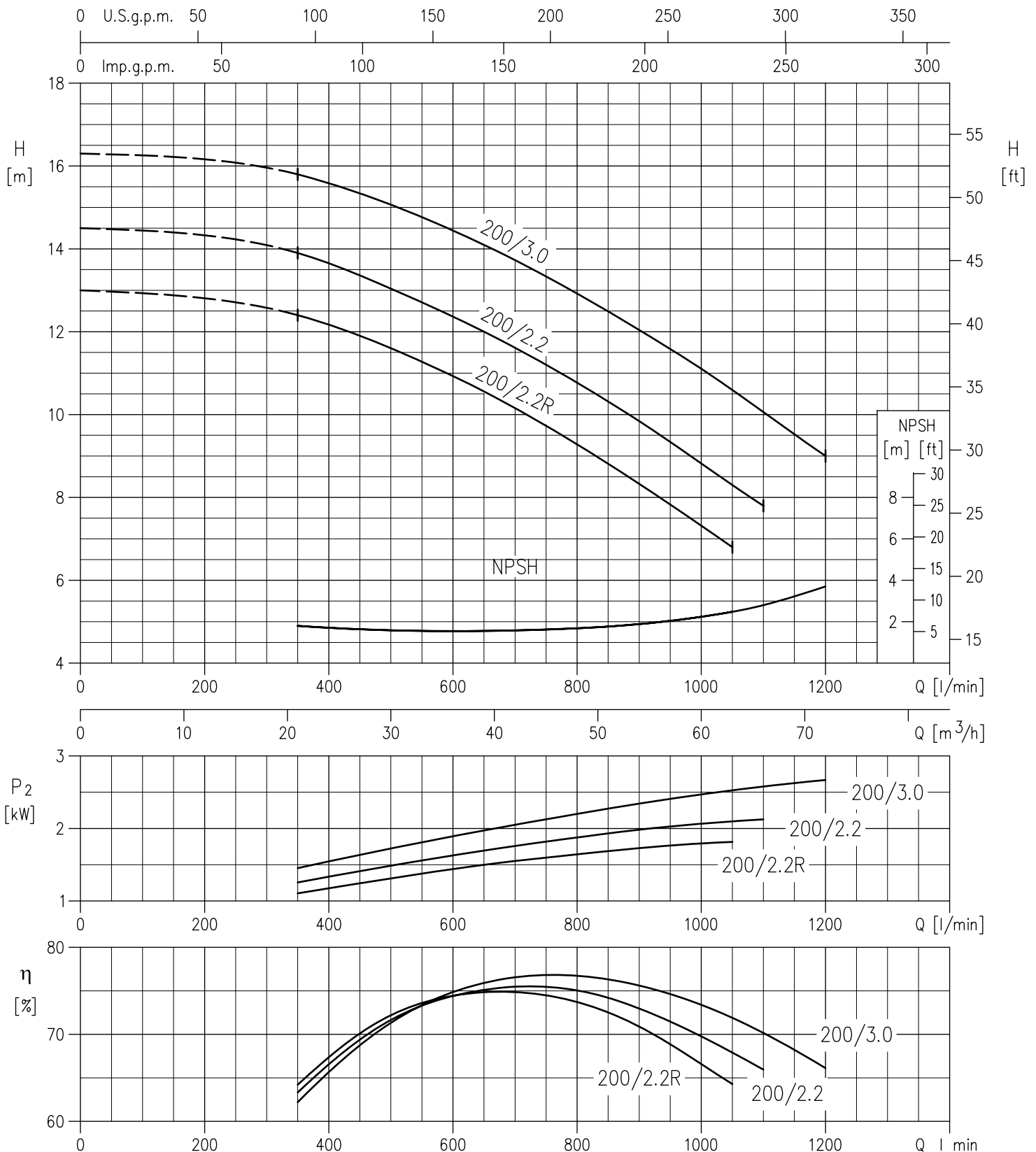


# 3D SERIES

**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**

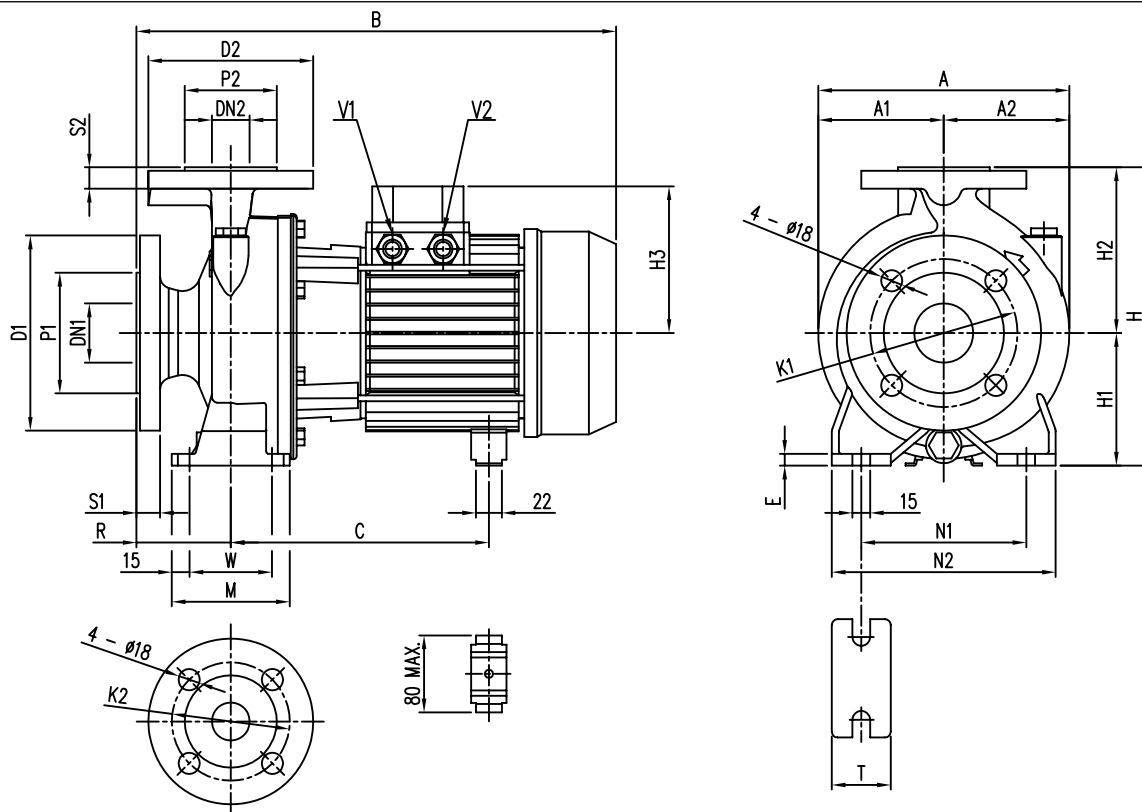


# 3D SERIES

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

## 3D4 SERIES

4 Poles



## DIMENSIONAL TABLE

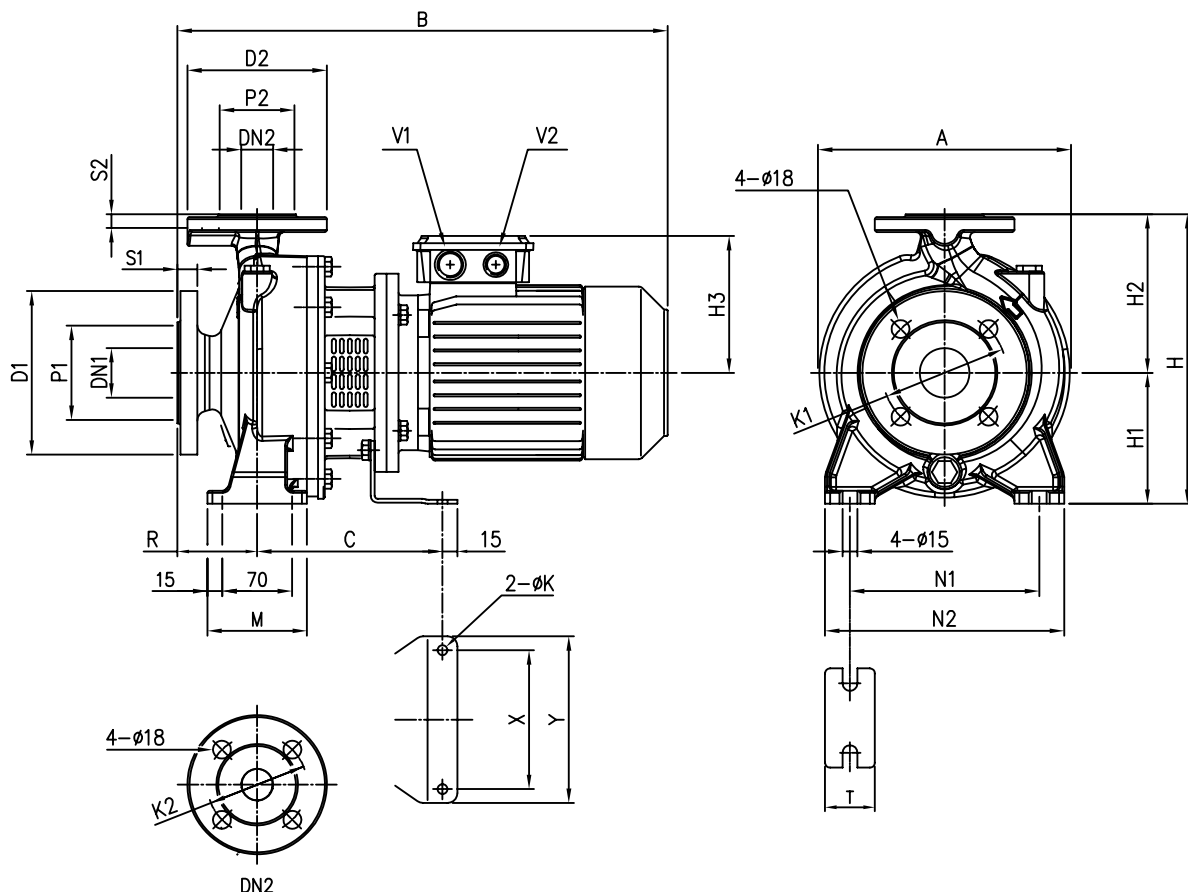
| Model            | DN1<br>Ø | P1<br>Ø | K1<br>Ø | D1<br>Ø | S1<br>Ø | DN2<br>Ø | P2<br>Ø | K2<br>Ø | D2<br>Ø | S2<br>Ø | H   | H1  | H2  | H3  | R   | W  | M   | N1  | N2  | T  | E  | A   | A1    | A2    | B   | C       | V2      | Weight<br>[kg] |
|------------------|----------|---------|---------|---------|---------|----------|---------|---------|---------|---------|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|-----|-------|-------|-----|---------|---------|----------------|
| 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 | 10 | 213 | 106.5 | 106.5 | 371 | 205     | PG 11   | 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 | 10 | 254 | 127   | 127   | 393 | 219     | PG 11   | 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 | 10 | 254 | 127   | 127   | 393 | 219     | PG 11   | 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 | 10 | 296 | 148   | 148   | 393 | 219     | PG 11   | 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 | 10 | 296 | 148   | 148   | 393 | 219     | PG 11   | 35.9           |
| 3D4 32-200/0.75  | 50       | 102     | 125     | 165     | 20      | 32       | 78      | 100     | 140     | 18      | 340 | 160 | 180 | 119 | 80  | 70 | 100 | 190 | 240 | 50 | 10 | 296 | 148   | 148   | 432 | 244÷255 | PG 13.5 | 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 | 10 | 213 | 108   | 112   | 371 | 205     | PG 11   | 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 | 10 | 213 | 108   | 112   | 371 | 205     | PG 11   | 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 | 12 | 254 | 127   | 127   | 393 | 219     | PG 11   | 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 | 12 | 254 | 127   | 127   | 393 | 219     | PG 11   | 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 | 12 | 296 | 148   | 148   | 452 | 244÷255 | PG 13.5 | 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 | 12 | 296 | 148   | 148   | 452 | 244÷255 | PG 13.5 | 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 | 12 | 296 | 148   | 148   | 491 | 244÷255 | PG 13.5 | 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 | 10 | 254 | 127   | 127   | 413 | 219     | PG 11   | 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 | 10 | 254 | 127   | 127   | 413 | 219     | PG 11   | 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 | 10 | 296 | 148   | 148   | 452 | 244÷255 | PG 13.5 | 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 | 10 | 296 | 148   | 148   | 452 | 244÷255 | PG 13.5 | 42.3           |
| 3D4 50-160/1.5R  | 65       | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 360 | 160 | 200 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | 491 | 244÷255 | PG 13.5 | 43.4           |
| 3D4 50-200/1.5   | 65       | 122     | 145     | 185     | 20      | 50       | 102     | 125     | 165     | 20      | 360 | 160 | 200 | 124 | 100 | 70 | 100 | 212 | 265 | 50 | 10 | 296 | 148   | 148   | 491 | 244÷255 | PG 13.5 | 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 | 10 | 296 | 148   | 148   | 474 | 253     | PG 16   | 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 | 12 | 263 | 127   | 136   | 413 | 219     | PG 11   | 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 | 12 | 263 | 127   | 136   | 452 | 244÷255 | PG 13.5 | 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 | 12 | 263 | 127   | 136   | 452 | 244÷255 | PG 13.5 | 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 | 12 | 296 | 148   | 148   | 452 | 244÷255 | PG 13.5 | 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 | 12 | 296 | 148   | 148   | 491 | 244÷255 | PG 13.5 | 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 | 12 | 296 | 148   | 148   | 474 | 253     | PG 16   | 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 | 12 | 312 | 154.5 | 157.5 | 474 | 253     | PG 16   | 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 | 12 | 312 | 154.5 | 157.5 | 474 | 253     | PG 16   | 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 | 12 | 312 | 154.5 | 157.5 | 514 | 253     | PG 16   | 54.5           |

# 3D SERIES

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

**3DS4 32, 40, 50, 65 SERIES**

**4 Poles**



## DIMENSIONAL TABLE

| Model             | 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 | H   | H1  | H2  | H3  | R   | W  | M   | N1  | N2  | T  | A   | B   | C   | X   | Y   | K  | V2      | V2      | Weight<br>[kg] | *    |
|-------------------|----------|---------|---------|---------|---------|----------|---------|---------|---------|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|---------|---------|----------------|------|
| 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 | 47.0           | 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 | 47.0           | 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 | 50.8           | 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 | 36.0           | -    |
| 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 | 36.0           | -    |
| 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 | 50.0           | 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 | 50.0           | 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 |

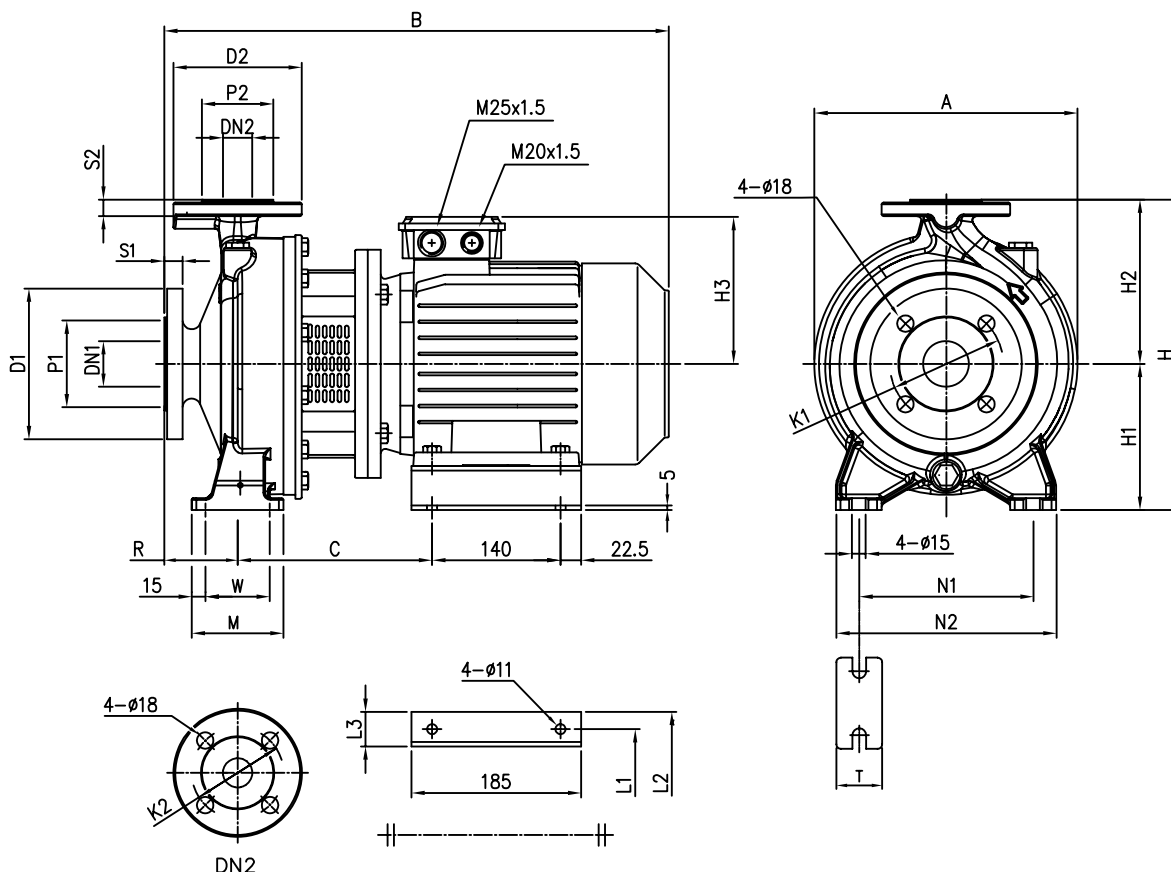
\* Models with IE3 motor only

# 3D SERIES

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

**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 | 59.0        | 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 | 65.0        | 65.0 |

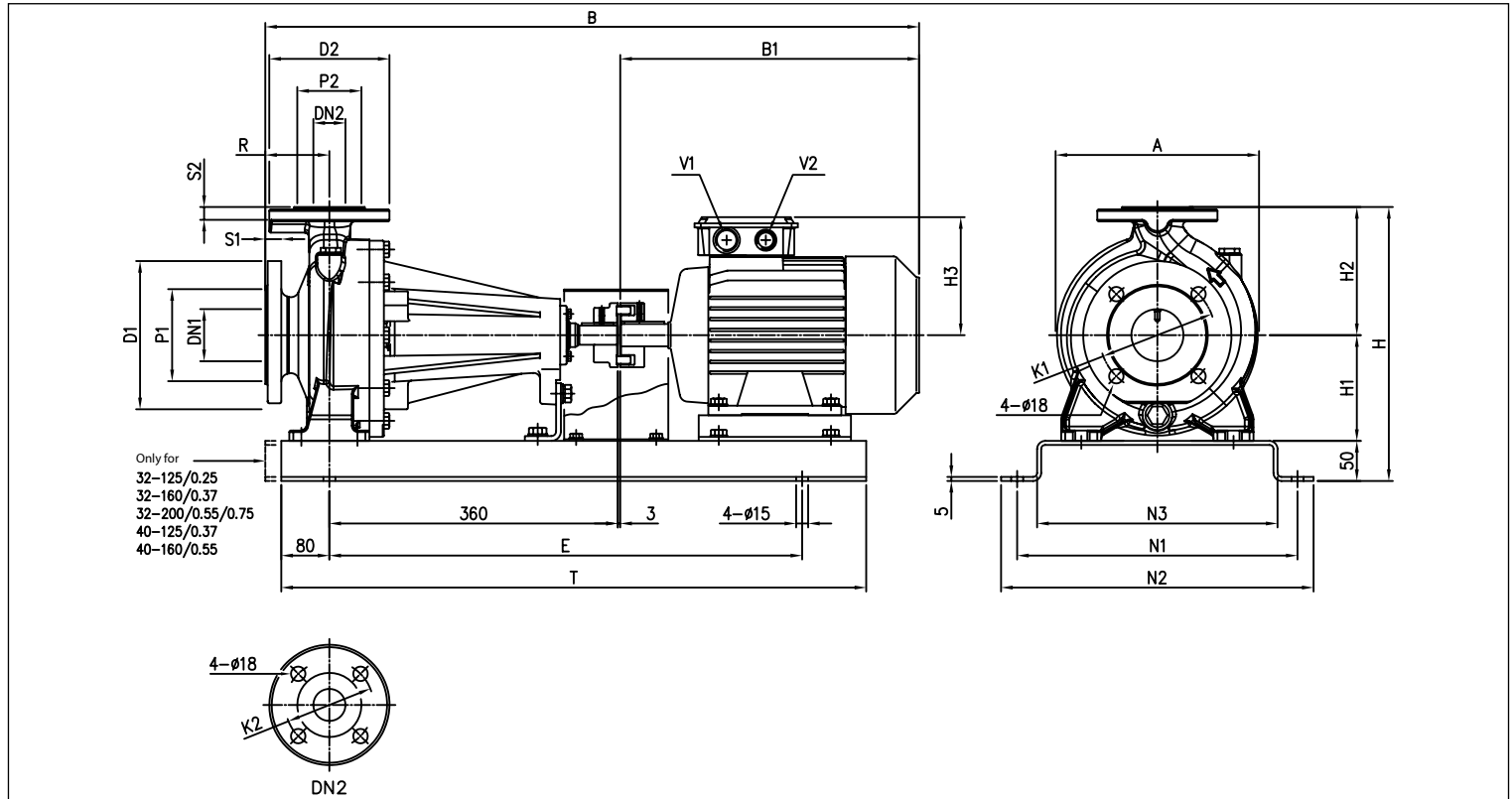
\* Models with IE3 motor only

# 3D SERIES

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

**3DP4 32, 65 SERIES**

**4 Poles**



## DIMENSIONAL TABLE

| Model             | Dimensions [mm] |      |      |      |    |       |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         |      | Weight [kg] |  |
|-------------------|-----------------|------|------|------|----|-------|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|------|-------------|--|
|                   | DN1             | P1 Ø | K1 Ø | D1 Ø | S1 | DN2 Ø | P2 Ø | K2 Ø | D2 Ø | S2 | H   | H1  | H2  | H3  | R   | A   | B   | B1  | E   | N1  | N2  | N3  | T   | V2      | V2      |      | *           |  |
| 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 65-160/2.2   | 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 | 88.0        |  |
| 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 | 94.0 | 94.0        |  |

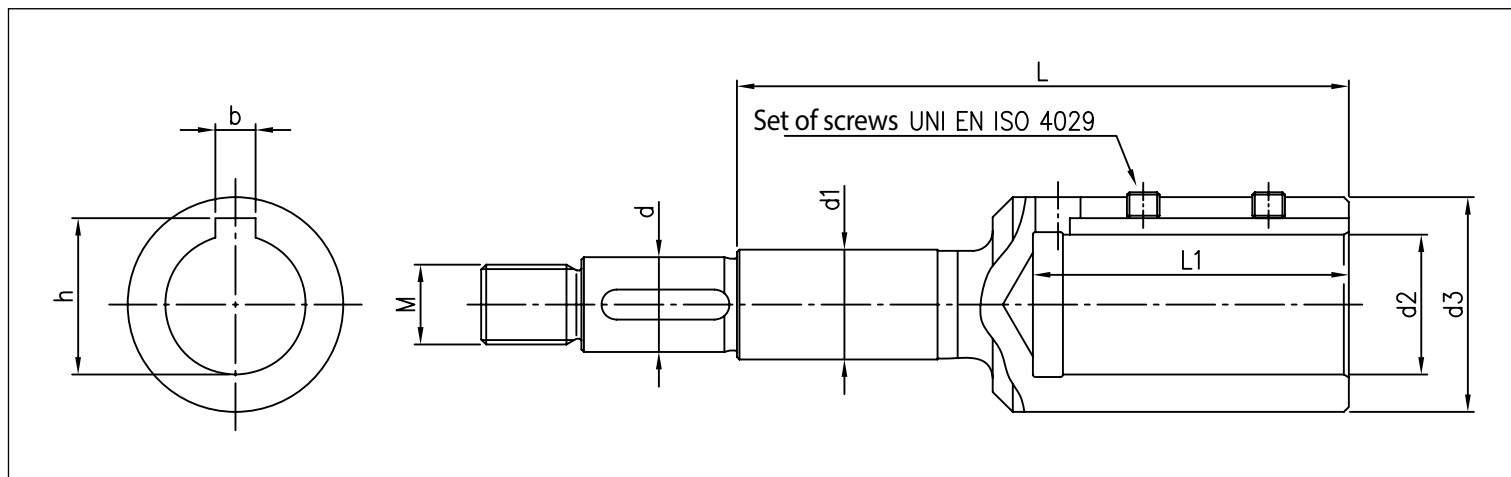
\* Models with IE3 motor only

# 3D SERIES

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

Joint for 3DS4 SERIES

4 Poles



**DIMENSIONAL TABLE**

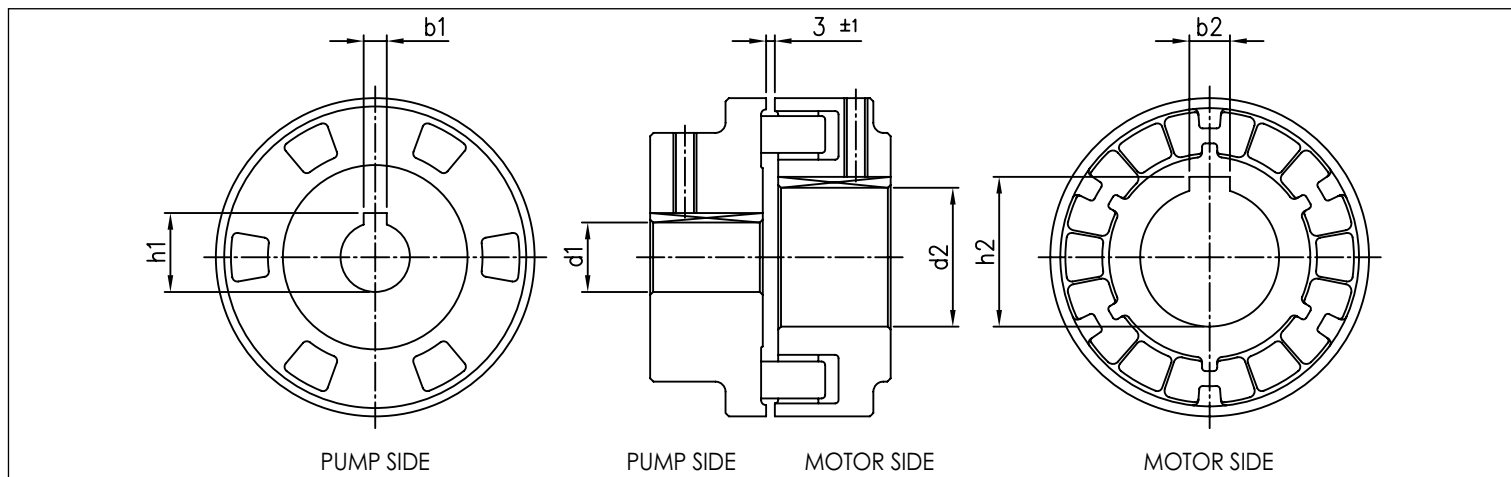
| Model             | [HP] | [kW] | Grand. Motor | d  | d1 | d2 | d3 | Dimensions [mm] |     | L1 | b | h    | Screws set |
|-------------------|------|------|--------------|----|----|----|----|-----------------|-----|----|---|------|------------|
| 3DS4 32-125/0.25  | 0.33 | 0.25 | 71           | 19 | 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 | Dimensions [mm] |    |      |    |    |      |
|-------------------|------|------|-----------------|-----------------|----|------|----|----|------|
|                   |      |      |                 | d1              | b1 | h1   | d2 | b2 | h2   |
| 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 |

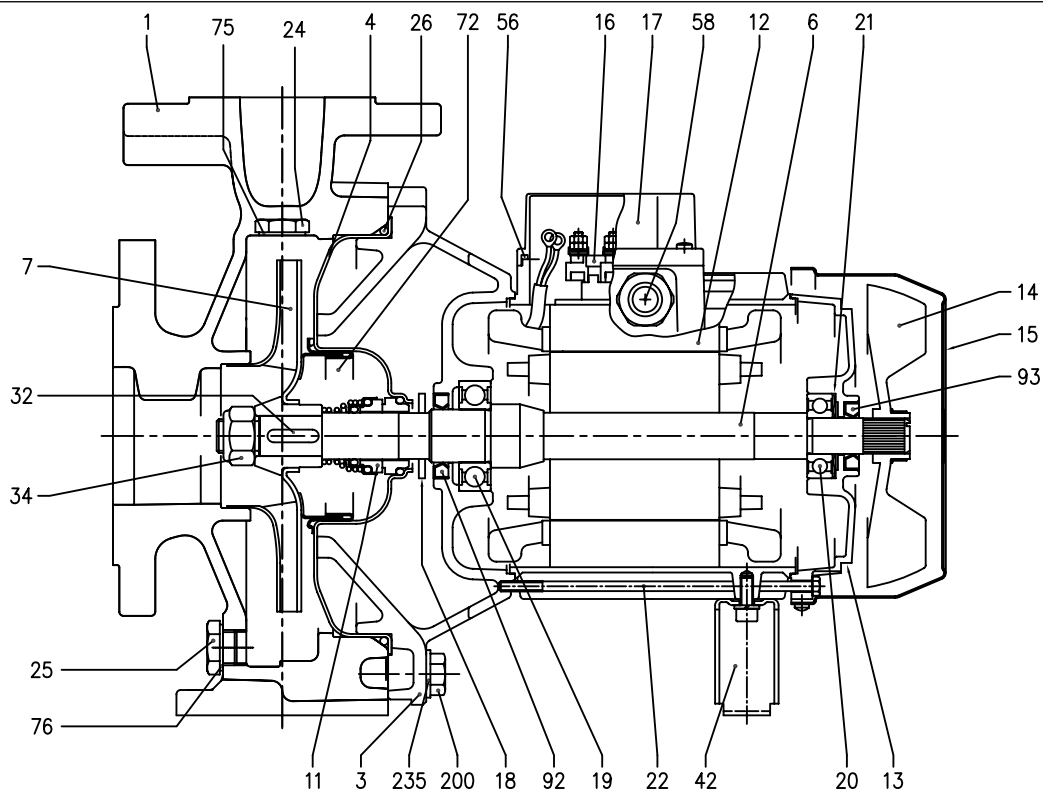


## 3D SERIES

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

### SECTIONAL VIEW 3D4 SERIES

4 Poles



### MATERIALS TABLE

| Ref. | Name                                    | Materials                                | Ref. | Name                | Materials                            |
|------|---|--|------|---------------------|--------------------------------------|
| 001  | Pump casing                             | Cast iron EN-GJL-250-EN 1561[1]          | 022  | Tie-rod             | Galvanised Fe 42                     |
| 003  | Motor bracket                           | [1]                                      | 024  | Plug                | Brass                                |
| 004  | Casing cover                            | EN 1.4301 (AISI 304)                     | 025  | Plug                | Brass                                |
| 006  | Shaft (part in contact with the 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 frame                             | -  | 042  | Motor support       | Aluminium / Galvanised steel         |
| 013  | Motor cover                             | Aluminium                                | 056  | Terminal box gasket | NBR                                  |
| 014  | Fan                                     | PA                                       | 058  | Cable gland         | -                                    |
| 015  | Fan cover                               | Galvanised Fe P04                        | 072  | Casing ring [4]     | EN 1.4301 (AISI 304)                 |
| 016  | Terminal Box                            | -  | 075  | Washer              | Aluminium                            |
| 017  | Terminal Box cover                      | Aluminium (for three phase version only) | 076  | Washer              | Aluminium                            |
| 018  | Splash washer                           | NBR                                      | 092  | Seal ring           | -                                    |
| 019  | Bearing (pump side)                     | -  | 093  | Seal ring           | -                                    |
| 020  | Bearing (motor side)                    | -  | 200  | Screw               | Galvanised steel 8.8 class ISO 898-1 |
| 021  | Adjustment ring                         | Steel C70                                | 235  | Washer              | Galvanised steel                     |

[1]= Aluminium AL-EN-1706-AC-46000-D for 3D4 SERIES models 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 other models

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

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

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

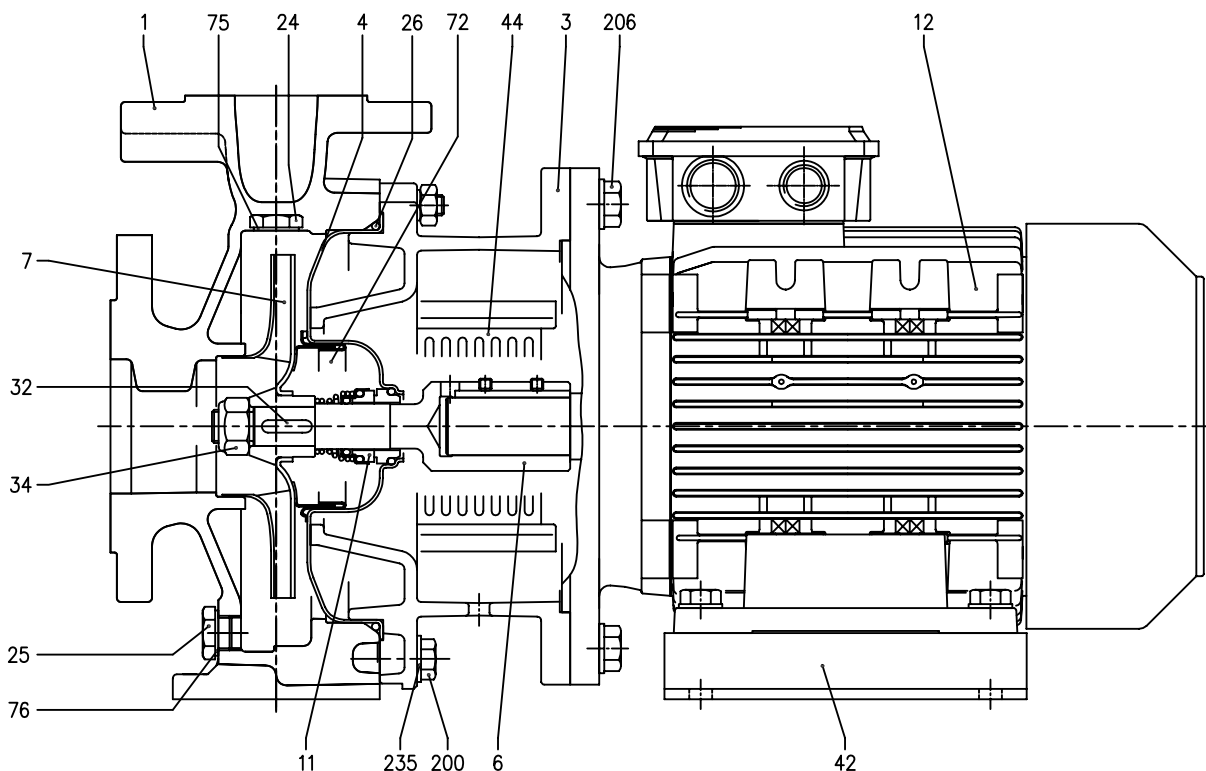


# 3D SERIES

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

## SECTIONAL VIEW 3DS4 SERIES

4 Poles



## MATERIALS TABLE

| Ref. | Name                                    | Materials                            |
|------|---|--------------------------------------|
| 001  | Pump casing                             | Cast iron EN-GJL-250-EN 1561         |
| 003  | Motor bracket                           | Cast iron EN-GJL-250-EN 1561         |
| 004  | Casing cover                            | EN 1.4301 (AISI 304)                 |
| 006  | Joint (part in contact with the liquid) | EN 1.4301 (AISI 304)                 |
| 007  | Impeller                                | [1]                                  |
| 011  | Mechanical seal                         | Ceramic/Carbon/NBR                   |
| 012  | Motor                                   | -                                    |
| 024  | Plug                                    | Brass                                |
| 025  | Plug                                    | Brass                                |
| 026  | O-Ring                                  | NBR [2]                              |
| 032  | Key                                     | EN 1.4401 (AISI 316)                 |
| 034  | Impeller nut                            | EN 1.4301 (AISI 304)                 |
| 042  | Motor support                           | Galvanised steel                     |
| 044  | Support protection                      | EN 1.4301 (AISI 304)                 |
| 072  | Casing 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 3DS4 SERIES models 32, 40, 50; EN 1.4401 (AISI 316) for SERIES 3DS4 65

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

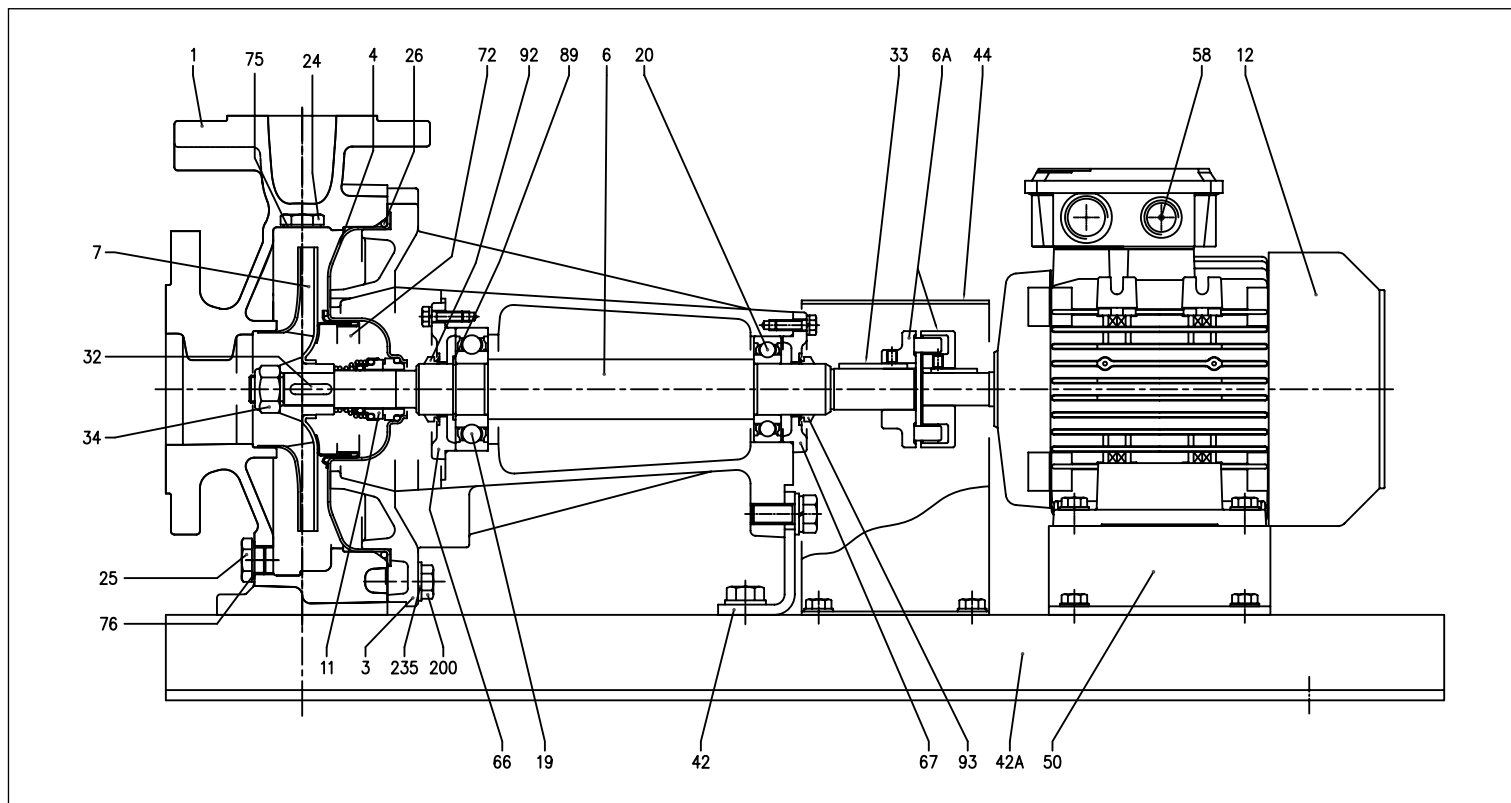
[3]= Only for SERIES 3DS4 32-200, 40-200, 50-160, 50-200

# 3D SERIES

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

## SECTIONAL VIEW 3DP4 SERIES

4 Poles



## MATERIALS TABLE

| Ref. | Name            | Materials                    | Ref. | Name            | Materials                            |
|------|-----------------|------------------------------|------|-----------------|--------------------------------------|
| 001  | Pump casing     | Cast iron EN-GJL-250-EN 1561 | 042  | Pump support    | Galvanised Fe 37                     |
| 003  | Motor Bracket   | Cast iron EN-GJL-250-EN 1561 | 042A | Base            | Galvanised Fe 37                     |
| 004  | Casing cover    | EN 1.4301 (AISI 304)         | 044  | Protection      | Galvanised Fe 37                     |
| 006  | Shaft           | EN 1.4301 (AISI 304)         | 050  | Motor support   | Aluminium / Galvanised steel         |
| 006A | Flexible joint  | Cast iron EN-GJL-250-EN 1561 | 058  | Cable gland     | -                                    |
| 007  | Impeller        | [1]                          | 066  | Bracket cover   | Cast iron EN-GJL-250-EN 1561         |
| 011  | Mechanical seal | Ceramic/Carbon/NBR           | 067  | Bracket cover   | Cast iron EN-GJL-250-EN 1561         |
| 012  | Motor frame     | -                            | 072  | Casing ring [3] | EN 1.4301 (AISI 304)                 |
| 019  | Bearing         | -                            | 075  | Washer          | Aluminium                            |
| 020  | Bearing         | -                            | 076  | Washer          | Aluminium                            |
| 024  | Plug            | Brass                        | 089  | Seeger ring     | Carbon steel TC 80                   |
| 025  | Plug            | Brass                        | 092  | Seal ring       | -                                    |
| 026  | O-Ring          | NBR [2]                      | 093  | Seal 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                     |
| 034  | Impeller nut    | EN 1.4301 (AISI 304)         |      |                 |                                      |

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

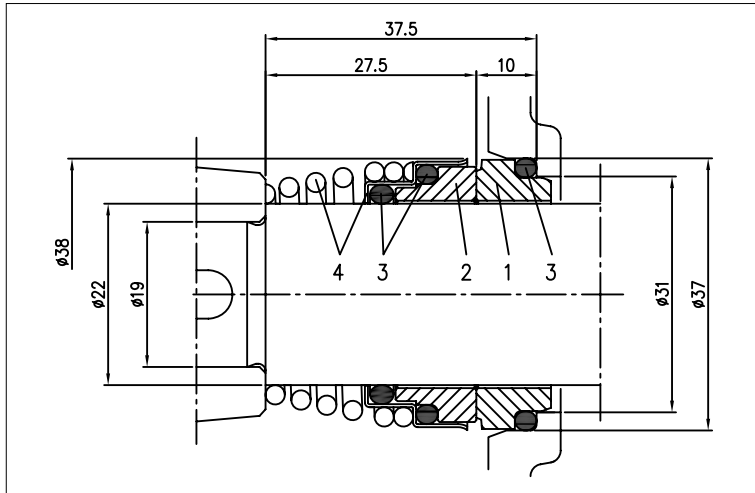
[2]= FKM for H, HS, HW, HSW versions; EPDM for E version

[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

| Ref. | Name           | Materials            |
|------|----------------|----------------------|
| 1    | Fixed part     | Carbon               |
| 2    | Rotating part  | Ceramic              |
| 3    | Gasket         | NBR                  |
| 4    | Frame + spring | EN 1.4401 (AISI 316) |

#### SPECIAL MECHANICAL SEALS (On request)

| Name           | H Version            | HS Version             | Materials<br>HW Version | HSW Version          | E Version            |
|----------------|----------------------|------------------------|-------------------------|----------------------|----------------------|
| Fixed part     | Carbon               | Silicon Carbide        | Tungsten Carbide        | Tungsten Carbide     | Carbon               |
| Rotating part  | Ceramic              | Silicon Carbide        | Tungsten Carbide        | Silicon Carbide      | Ceramic              |
| Gasket         | FKM                  | FKM                    | FKM                     | FKM                  | EPDM                 |
| 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) |

#### SPECIAL MECHANICAL SEALS (On request)

| Name          | U3U3EGG Version  | U3CEGG Version   | Materials<br>Q1Q1EGG Version | Q1U3EGG Version  | Q1AEGG Version    |
|---------------|------------------|------------------|------------------------------|------------------|-------------------|
| Fixed part    | Tungsten Carbide | Tungsten Carbide | Silicon Carbide              | Silicon Carbide  | Silicon Carbide   |
| Rotating Part | Tungsten Carbide | Special carbon   | Silicon Carbide              | Tungsten Carbide | Metallised carbon |
| Elastomers    | EPDM             | EPDM             | EPDM                         | EPDM             | EPDM              |
| Spring        | AISI 316         | AISI 316         | AISI 316                     | AISI 316         | 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                           |                                 | Size Motors | P <sub>2</sub> |      | Efficiency | Efficiency(%)<br>Three phase |            |      | P <sub>1</sub><br>[kW] | Absorbed Current<br>[A]  |     |     |
|---------------------------------|---------------------------------|-------------|----------------|------|------------|------------------------------|------------|------|------------------------|--------------------------|-----|-----|
| 3DS4<br>Three phase<br>230/400V | 3DP4<br>Three phase<br>230/400V |             | [HP]           | [kW] |            | 50%                          | η %<br>75% | 100% |                        | Three phase<br>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                 | 100 L       | 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                 |             | 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                | 100 L       | 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<br>3D4     | P <sub>2</sub> |      | L <sub>pa</sub> - dB(A)* |
|------------------|----------------|------|--------------------------|
|                  | [HP]           | [kW] |                          |
| 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 measurements at 1 m 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 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 measurements at 1 m distance around the pump.  
Tolerance ± 2.5 dB.