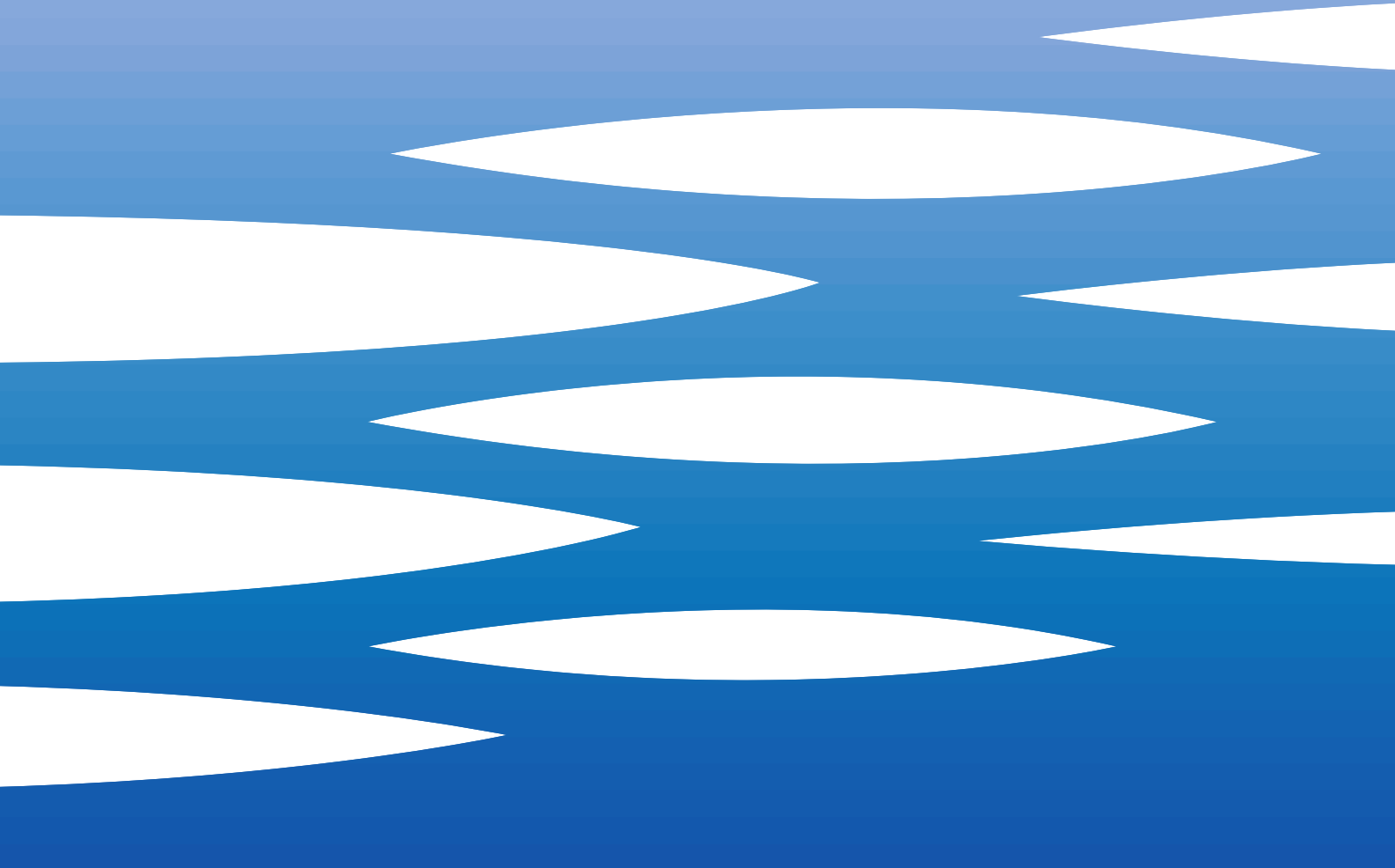


EBARA



PUMP SPECIFICATIONS

50 Hz

Rev. H

| Version | | | 3M | 3S | 3P | 3LM | 3LS | 3LP | |
|----------------|--------------------------|------|--|----|----|----------------------------|-----|--|--|
| Pump sizes | 32-125 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 32-160 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 32-200 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 40-125 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 40-160 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 40-200 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 50-125 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 50-160 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 50-200 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 65-125 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 65-160 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 65-200 | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | 65-250 | | - | - | - | - | ● | ● | |
| | 80-160 | | - | - | - | ● | ● | ● | |
| 80-200 | | - | - | - | - | ● | ● | | |
| 80-250 | | - | - | - | - | ● | ● | | |
| Liquid Handled | Type of liquid | | Clean water and moderately aggressive fluids | | | | | Clean water, drinking water, water contains glycol for E version | |
| | Temperature | min. | -10 | | | -10 -20 for E version | | | |
| | | max. | +90 110 for (H-HS version) | | | +110 +120 for E version | | | |
| | Maximum working pressure | | [MPa] | 1 | | | | | |

■ Available also with H and HS option for 32, 40, 50, 65-125/160/200.

● Available also with H and E option for 65-250, 80.

— Not available.

MOTOR SPECIFICATIONS

50 Hz

Rev. H

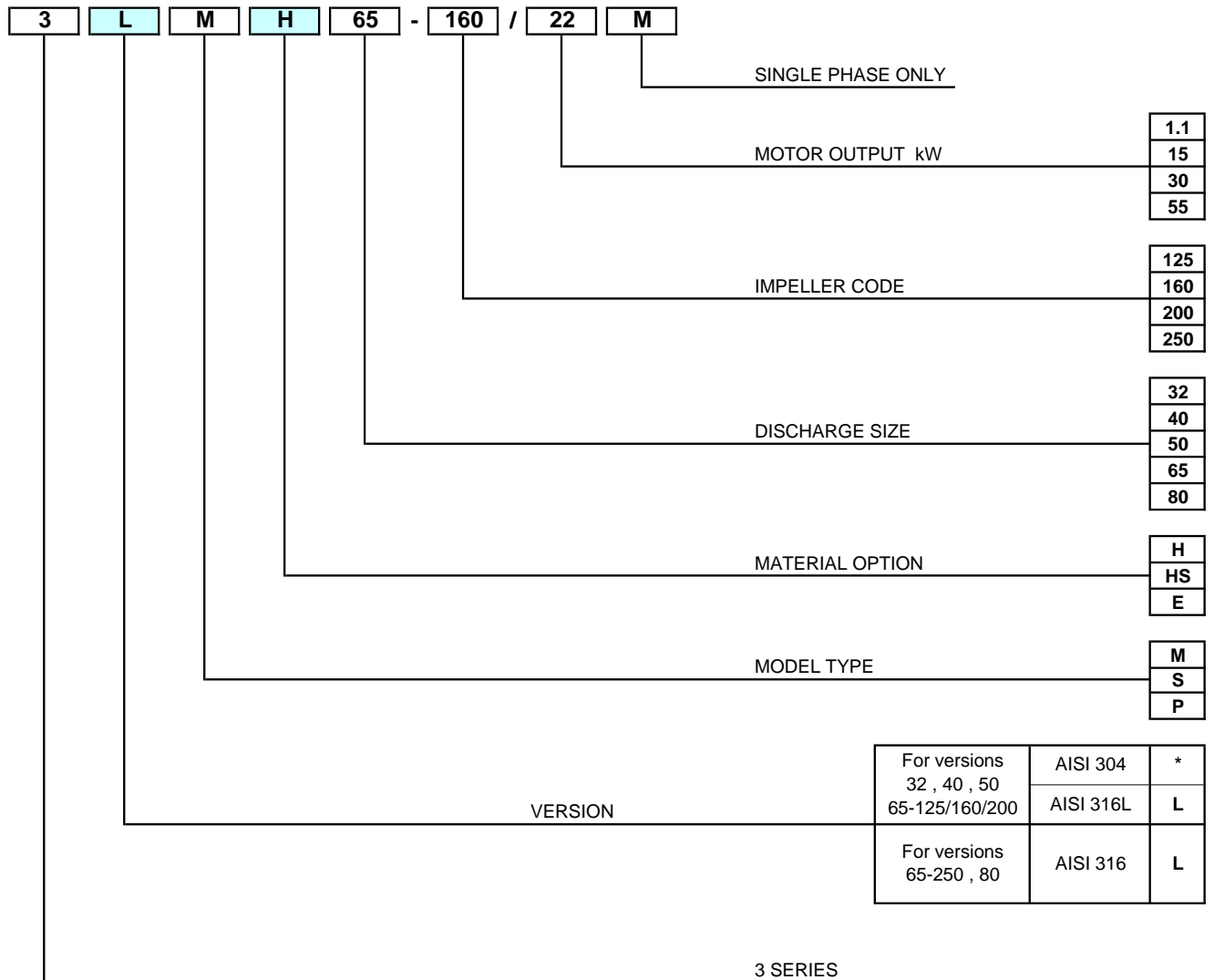
| Version | 3(.)M | | 3(.)S | 3(.)P |
|-------------------------------------|----------------------------------|--|--|----------|
| Type | Electric-TEFC | | | |
| | Single Phase | Three phase | | |
| No. of Poles | 2 | | | |
| Rotation speed [min ⁻¹] | ~2900 | | | |
| Insulation class | F (class B for temperature rise) | | | |
| Protection degree | IP 55 | | | |
| Power rating | [kW] | 1.1 ÷ 2.2 | 1.1 ÷ 22 | 1.1 ÷ 55 |
| | [HP] | 1.5 ÷ 3.0 | 1.5 ÷ 30 | 1.5 ÷ 75 |
| Frequency [HZ] | 50 | | | |
| Voltage [V] | 230 ±10% | 220÷240 / 380÷415 ±5% (up to 4.0 kW) 380÷415 / 660÷720 ±5% (5.5 kW and above) | | |
| Casing material | Aluminium / Cast iron | | | |
| Dimensions of cable entry | M20x1.5 | -PG 13.5 -PG 16 -PG 21 | - M20x1.5 - M25x1.5 - M32x1.5 - M40x1.5 - M50x1.5 - M63x1.5 | |
| Flange mount (IEC motor) | / | | IM B5 (up to 2.2 kW) IM B35 (3.0 kW and above) | IM B3 |

SELECTION CHART

50 Hz

Rev. H

TYPE KEY



*) No indication

SELECTION CHART

50 Hz

Rev. H

3 SERIES: 32, 40, 50 VERSION

| Pump type | kW | HP | Flow rate (l/min / m³/h) | | | | | | | | | | | | | | | |
|-----------------|-----|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | | 0 | 100 | 150 | 200 | 300 | 333 | 360 | 400 | 450 | 500 | 600 | 700 | 800 | 1000 | 1200 | |
| 32-125/1.1(M) * | 1.1 | 1.5 | 22.5 | 21 | 19.9 | 18.4 | 14.1 | 12 | - | - | - | - | - | - | - | - | | |
| 32-160/1.5(M) * | 1.5 | 2 | 29.5 | 28 | 26.5 | 24.5 | 19.2 | 17 | - | - | - | - | - | - | - | - | | |
| 32-160/2.2(M) * | 2.2 | 3 | 37 | 35.5 | 34 | 32 | 27 | 25 | - | - | - | - | - | - | - | - | | |
| 32-200/3.0 | 3 | 4 | 44 | 42 | 40 | 37.5 | 31 | 28 | - | - | - | - | - | - | - | - | | |
| 32-200/4.0 | 4 | 5.5 | 55 | 53.5 | 52 | 49.5 | 43.5 | 40.5 | 38 | - | - | - | - | - | - | - | | |
| 32-200/5.5 | 5.5 | 7.5 | 70.5 | 69 | 67.5 | 65 | 58.5 | - | - | - | - | - | - | - | - | - | | |
| 32-200/7.5 | 7.5 | 10 | 70.5 | 69 | 67.5 | 65 | 58.5 | 55.5 | 53 | 49 | 44 | - | - | - | - | - | | |
| 40-125/1.5(M) * | 1.5 | 2 | 20 | - | - | 19 | 17.6 | 17 | 16.5 | 15.7 | 14.5 | 13.2 | 10.3 | 7 | - | - | | |
| 40-125/2.2(M) * | 2.2 | 3 | 26.5 | - | - | 25.5 | 24 | 23.5 | 23 | 22 | 21 | 19.5 | 16.4 | 13 | - | - | | |
| 40-160/3.0 | 3 | 4 | 31 | - | - | 29.5 | 27.5 | 27 | 26.5 | 25.5 | 24 | 22.5 | 20 | 17 | - | - | | |
| 40-160/4.0 | 4 | 5.5 | 40 | - | - | 38.5 | 37 | 36 | 35.5 | 34.5 | 33 | 32 | 29 | 25.5 | - | - | | |
| 40-200/5.5 | 5.5 | 7.5 | 47 | - | - | 45.5 | 44 | 43 | 42.5 | 41 | 39.5 | 38 | 35 | 31 | - | - | | |
| 40-200/7.5 | 7.5 | 10 | 58 | - | - | 57 | 55.5 | 55 | 54.5 | 53.5 | 52.5 | 51 | 47.5 | 44 | - | - | | |
| 40-200/11 | 11 | 15 | 72 | - | - | 71 | 70 | 70 | 69.5 | 68.5 | 67.5 | 66 | 63 | 59 | - | - | | |
| 50-125/2.2(M) * | 2.2 | 3 | 19 | - | - | - | - | - | - | 17.5 | 17 | 16.3 | 14.9 | 13.4 | 11.7 | 8 | | |
| 50-125/3.0 | 3 | 4 | 22 | - | - | - | - | - | - | 20.5 | 20 | 19.6 | 18.4 | 17 | 15.4 | 11.8 | | |
| 50-125/4.0 | 4 | 5.5 | 26.5 | - | - | - | - | - | - | 26 | 25.5 | 25 | 24 | 22.5 | 21.5 | 17.9 | | |
| 50-160/5.5 | 5.5 | 7.5 | 33 | - | - | - | - | - | - | 31 | 30.5 | 30 | 28.5 | 27 | 25.5 | 22 | | |
| 50-160/7.5 | 7.5 | 10 | 40 | - | - | - | - | - | - | 38.5 | 38 | 37.5 | 36 | 35 | 33.5 | 30 | | |
| 50-200/9.2 | 9.2 | 12.5 | 53 | - | - | - | - | - | - | - | - | 50 | 49 | 47.5 | 45.5 | 40.5 | | |
| 50-200/11 | 11 | 15 | 59 | - | - | - | - | - | - | - | - | 56 | 55 | 54 | 52 | 48 | | |
| 50-200/15 | 15 | 20 | 72 | - | - | - | - | - | - | - | - | 70 | 69 | 68 | 66 | 62 | | |

* Single phase version only for 3M type.

3 SERIES: 65, 80 VERSION

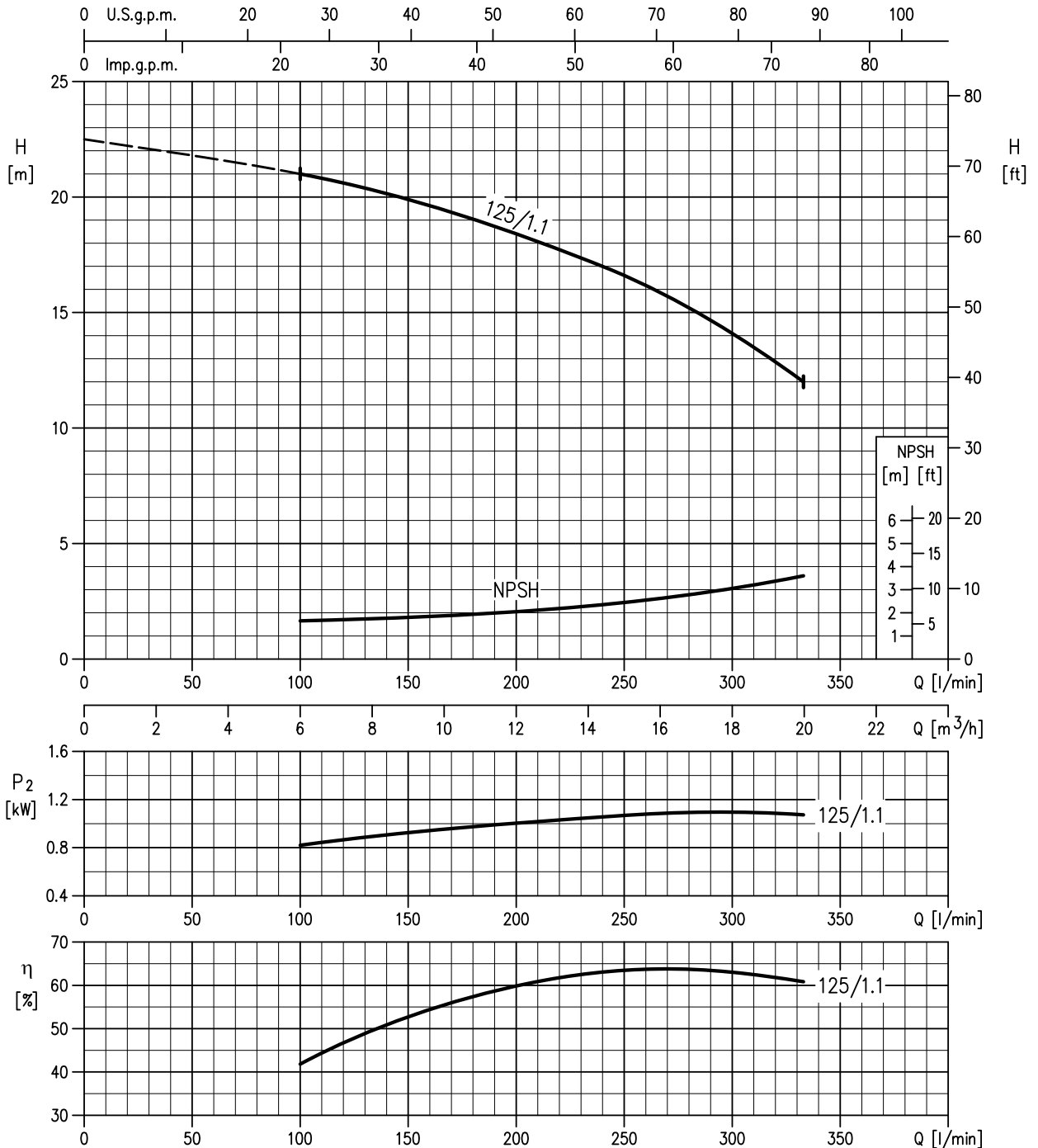
| Pump type | kW | HP | Flow rate (l/min / m³/h) | | | | | | | | | | | | | | | | | |
|-------------|------|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 0 | 600 | 700 | 900 | 1300 | 1500 | 1700 | 1900 | 2100 | 2200 | 2300 | 2400 | 2500 | 3000 | 3400 | 3600 | 3800 | 4000 |
| 65-125/4.0 | 4 | 5.5 | 22.2 | 19.8 | 19 | 17.3 | 13.3 | 11 | 8.6 | 6.3 | - | - | - | - | - | - | - | - | - | |
| 65-125/5.5 | 5.5 | 7.5 | 27 | - | 24 | 22.2 | 18 | 15.7 | 13.3 | 10.8 | 8 | - | - | - | - | - | - | - | - | |
| 65-125/7.5 | 7.5 | 10 | 32 | - | 29.5 | 27.8 | 23.5 | 21.1 | 18.7 | 16.1 | 13.4 | 12 | - | - | - | - | - | - | - | |
| 65-160/7.5 | 7.5 | 10 | 32 | - | 30 | 28.6 | 24.8 | 22.5 | 19.9 | 17.1 | 14.2 | - | - | - | - | - | - | - | - | |
| 65-160/9.2 | 9.2 | 12.5 | 36.5 | - | 34.5 | 32.8 | 28.8 | 26.5 | 23.9 | 21.1 | 18.3 | 16.8 | - | - | - | - | - | - | - | |
| 65-160/11 | 11 | 15 | 40.5 | - | 38.5 | 37.1 | 33.1 | 30.9 | 28.4 | 25.8 | 23 | 21.5 | 20 | - | - | - | - | - | - | |
| 65-160/15 | 15 | 20 | 48 | - | 45.5 | 44 | 40 | 37.8 | 35.3 | 32.6 | 29.6 | 28 | 26.5 | - | - | - | - | - | - | |
| 65-200/15 | 15 | 20 | 53.5 | - | 51 | 49 | 44 | 41.5 | 38.4 | 35.3 | 31.8 | 30 | - | - | - | - | - | - | - | |
| 65-200/18.5 | 18.5 | 25 | 60.5 | - | 58.5 | 56.5 | 51.5 | 49 | 46 | 43 | 39.7 | 38 | 36.3 | - | - | - | - | - | - | |
| 65-200/22 | 22 | 30 | 67 | - | 65.5 | 64 | 59.5 | 57 | 54 | 51 | 48 | 46.5 | 45 | - | - | - | - | - | - | |
| 65-250/30 | 30 | 40 | 78 | - | - | 77 | 73.5 | 71 | 68 | 64.5 | 60 | 57.5 | 55 | 52 | - | - | - | - | - | |
| 65-250/37 | 37 | 50 | 89 | - | - | 88 | 85.5 | 83 | 80.5 | 77.5 | 74 | 72 | 70 | 67.5 | 65 | - | - | - | - | |
| 80-160/11 | 11 | 15 | 29 | - | - | - | 27.3 | 26.4 | 25.4 | 24.2 | 23 | 22.4 | 21.8 | 21.1 | 20.4 | 16.4 | 12.5 | - | - | |
| 80-160/13 | 13 | 17.5 | 32 | - | - | - | 30.5 | 29.7 | 28.8 | 27.7 | 26.5 | 25.9 | 25.3 | 24.6 | 24 | 20.1 | 16.5 | 14.5 | - | - |
| 80-160/15R | 15 | 20 | | | | | | | | | | | | | | | | | | |
| 80-160/15 | 15 | 20 | 35 | - | - | - | 34 | 33.3 | 32.5 | 31.5 | 30.5 | 30 | 29.4 | 28.8 | 28.1 | 24.4 | 21 | 19.1 | 17 | - |
| 80-160/18.5 | 18.5 | 25 | 40 | - | - | - | 39 | 38.4 | 37.6 | 36.7 | 35.7 | 35.2 | 34.7 | 34.1 | 33.5 | 30 | 26.4 | 24.4 | 22.3 | 20 |
| 80-200/22 | 22 | 30 | 50 | - | - | - | 48 | 47 | 45.5 | 44.5 | 43 | 42 | 41 | 40 | 39 | 33.2 | 27.8 | 25 | - | - |
| 80-200/30 | 30 | 40 | 60 | - | - | - | 58.5 | 58 | 57 | 56 | 54.5 | 54 | 53 | 52 | 51 | 46.5 | 41.5 | 39 | 36.1 | 33 |
| 80-200/37 | 37 | 50 | 66 | - | - | - | 64 | 63 | 62 | 61 | 59.5 | 59 | 58 | 57.5 | 56.5 | 51.5 | 47 | 44.5 | 41.5 | 38.5 |
| 80-250/37 | 37 | 50 | 73 | - | - | - | 71.5 | 70.5 | 68.5 | 66.5 | 64 | 63 | 61.5 | 60 | 58.5 | 48.5 | 38 | - | - | - |
| 80-250/45 | 45 | 60 | 84 | - | - | - | 82.5 | 81.5 | 80 | 78 | 76 | 75 | 73.5 | 72.5 | 71 | 62 | 53 | 48 | 42.5 | - |
| 80-250/55 | 55 | 75 | 95 | - | - | - | 93.5 | 92.5 | 91.5 | 90 | 88.5 | 87.5 | 86.5 | 85.5 | 84 | 76.5 | 68.5 | 64.5 | 60 | 55 |

PERFORMANCE CURVE

50 Hz

Rev. H

32-125/1.1 (1.1kW) – impeller diameter = 133 mm



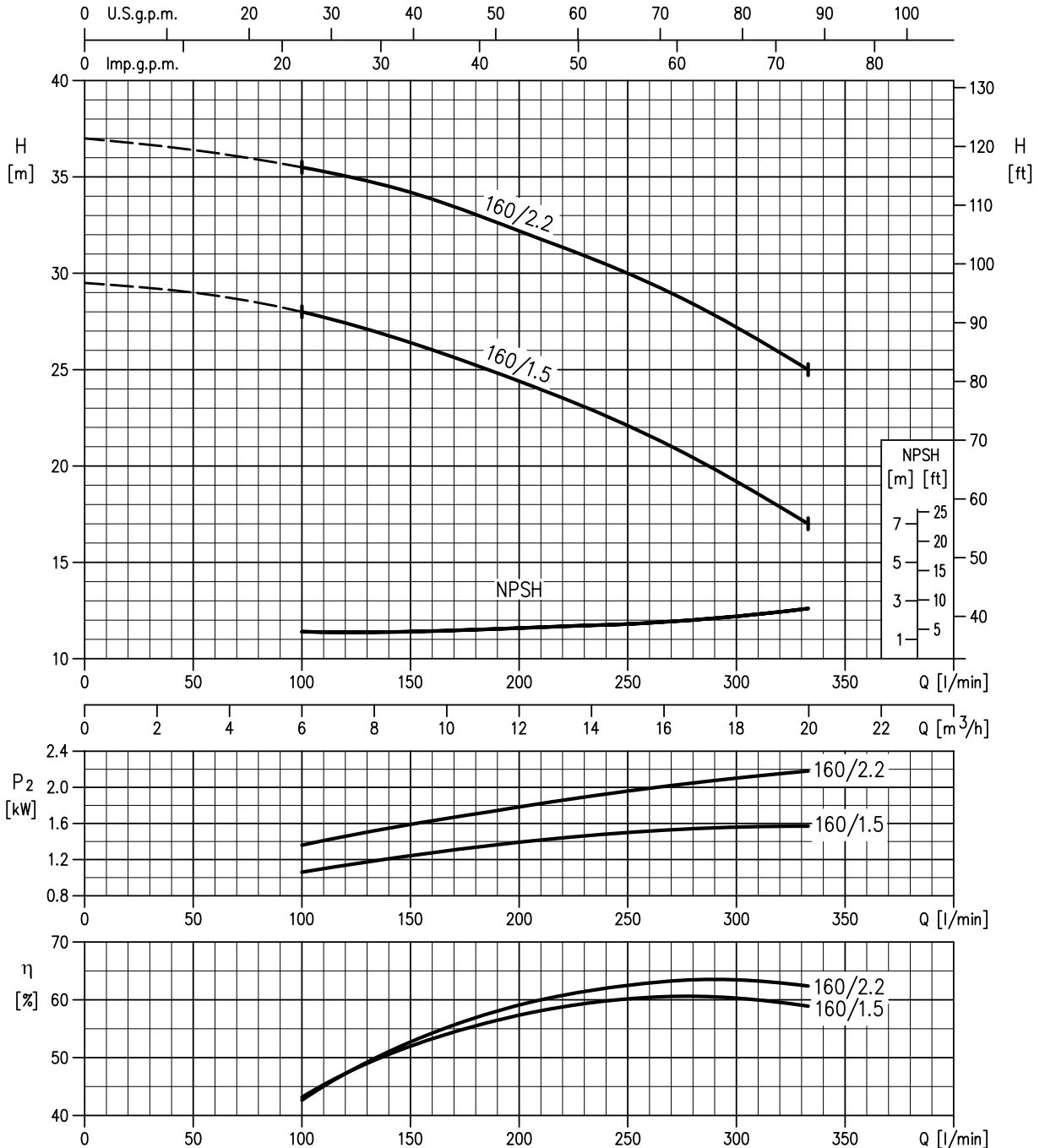
Rotation speed ≈2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

32-160/1.5 (1.5kW) – impeller diameter = 151 mm
 32-160/2.2 (2.2kW) – impeller diameter = 166 mm



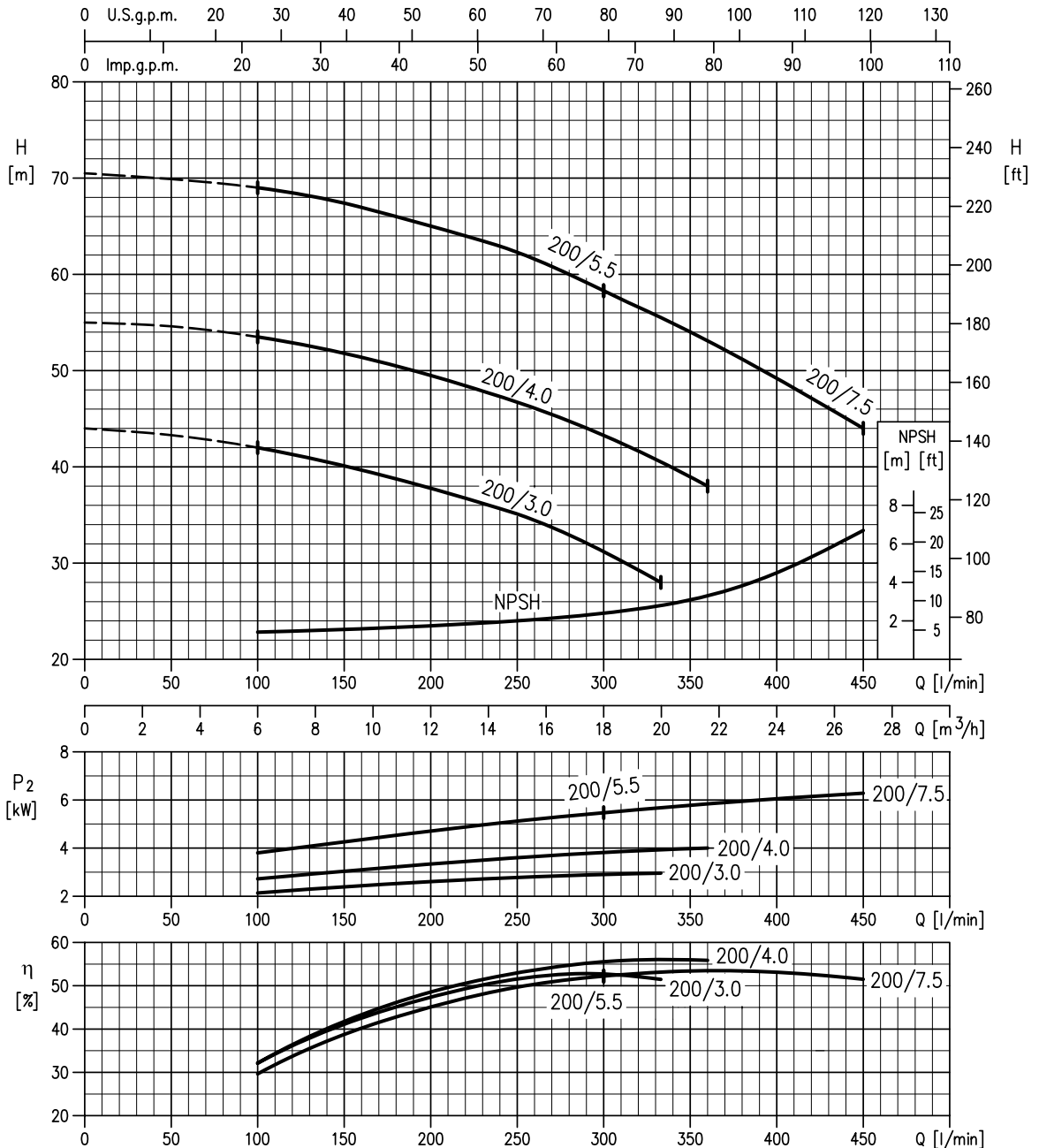
Rotation speed ≈2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

32-200/3 (3.0kW) – impeller diameter = 186 mm
 32-200/4 (4.0kW) – impeller diameter = 200 mm
 32-200/5.5 (5.5kW) – impeller diameter = 224 mm
 32-200/7.5 (7.5kW) – impeller diameter = 224 mm



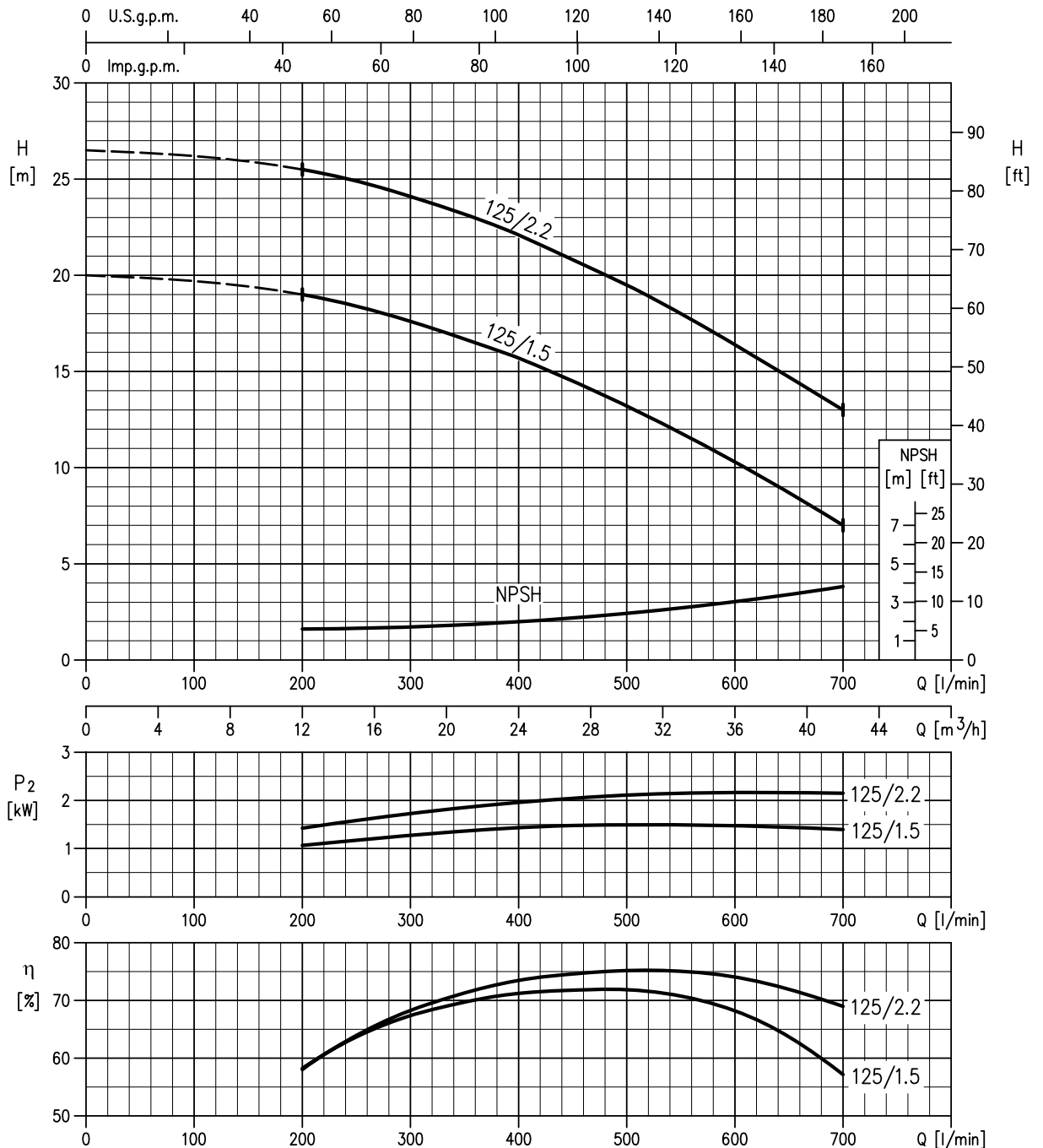
Rotation speed ≈2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

40-125/1.5 (1.5kW) – impeller diameter = 125 mm
 40-125/2.2 (2.2kW) – impeller diameter = 140 mm



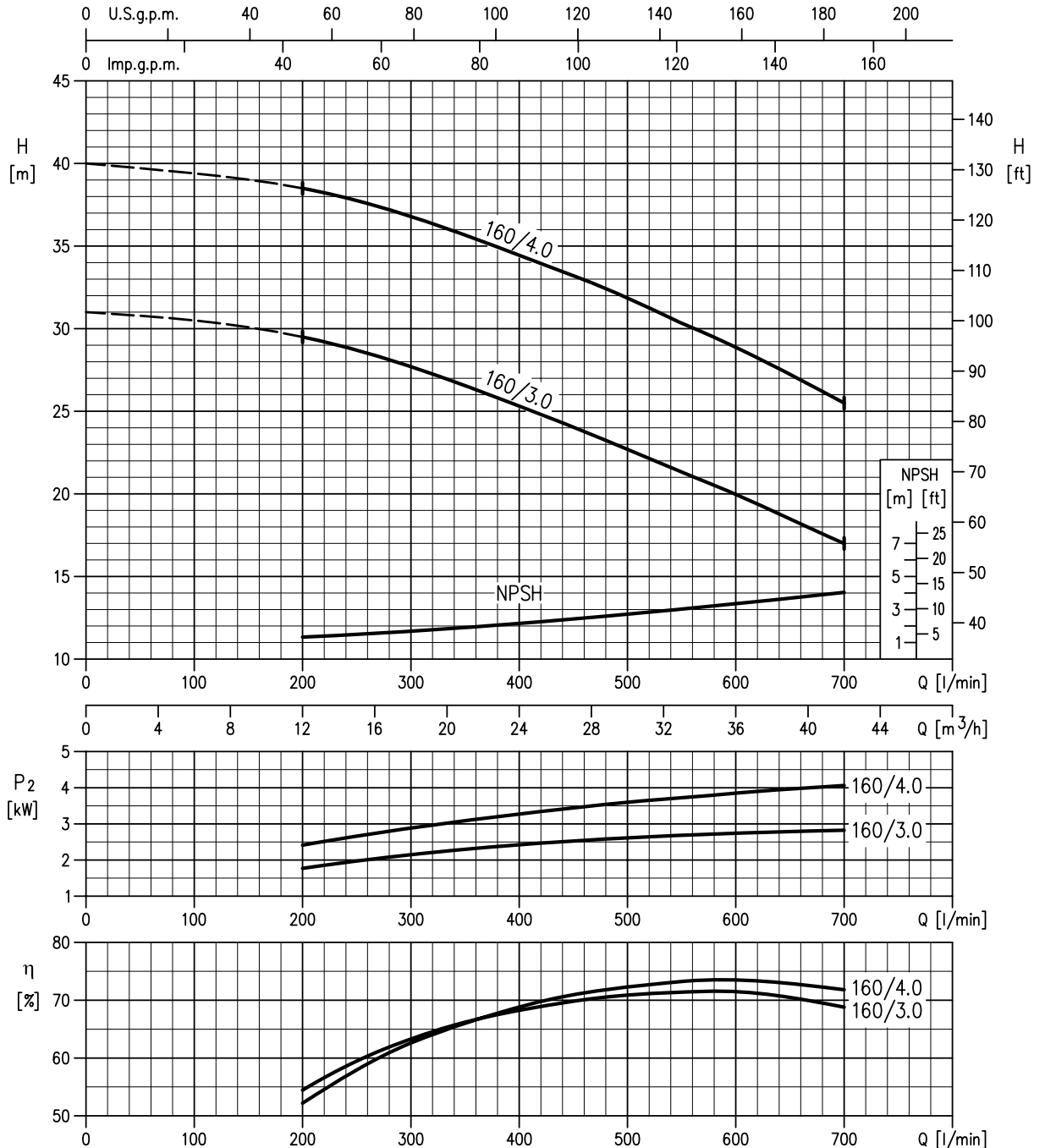
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

40-160/3 (3.0kW) – impeller diameter = 151 mm
 40-160/4 (4.0kW) – impeller diameter = 166 mm



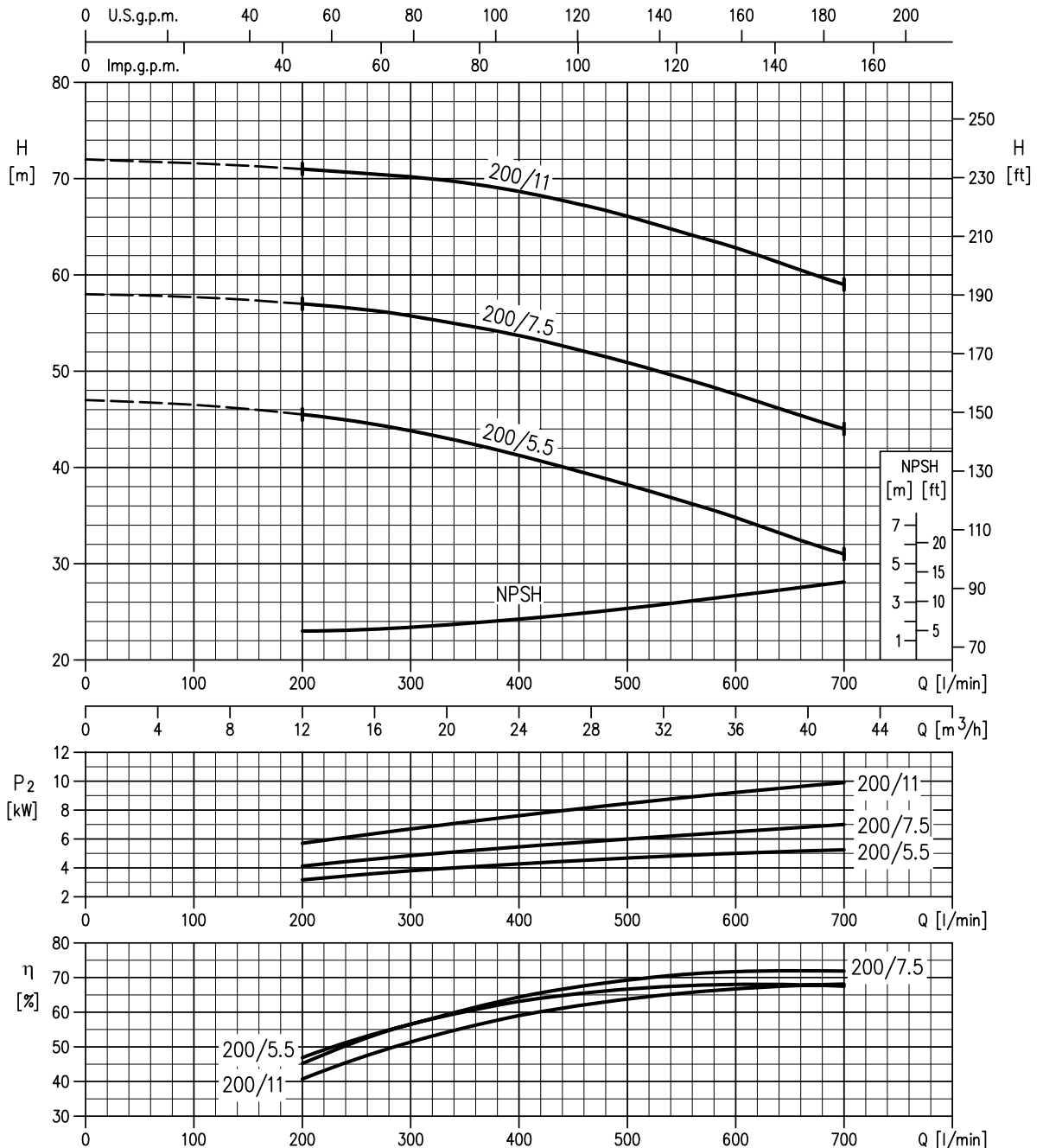
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

40-200/5.5 (5.5kW) – impeller diameter = 183 mm
 40-200/7.5 (7.5kW) – impeller diameter = 200 mm
 40-200/11 (11kW) – impeller diameter = 224 mm



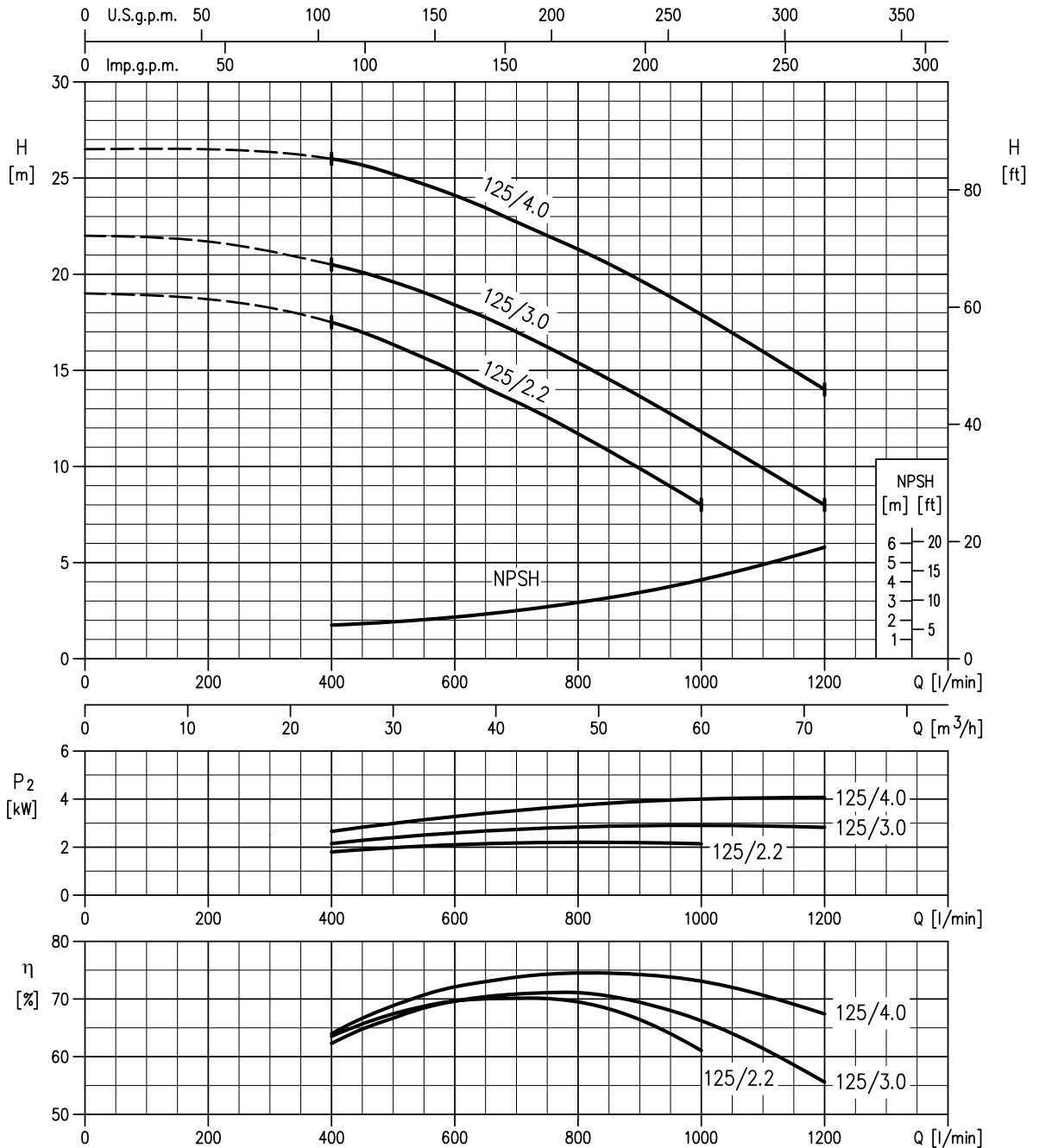
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

50-125/2.2 (2.2kW) – impeller diameter = 126 mm
 50-125/3 (3.0kW) – impeller diameter = 131 mm
 50-125/4 (4.0kW) – impeller diameter = 140 mm



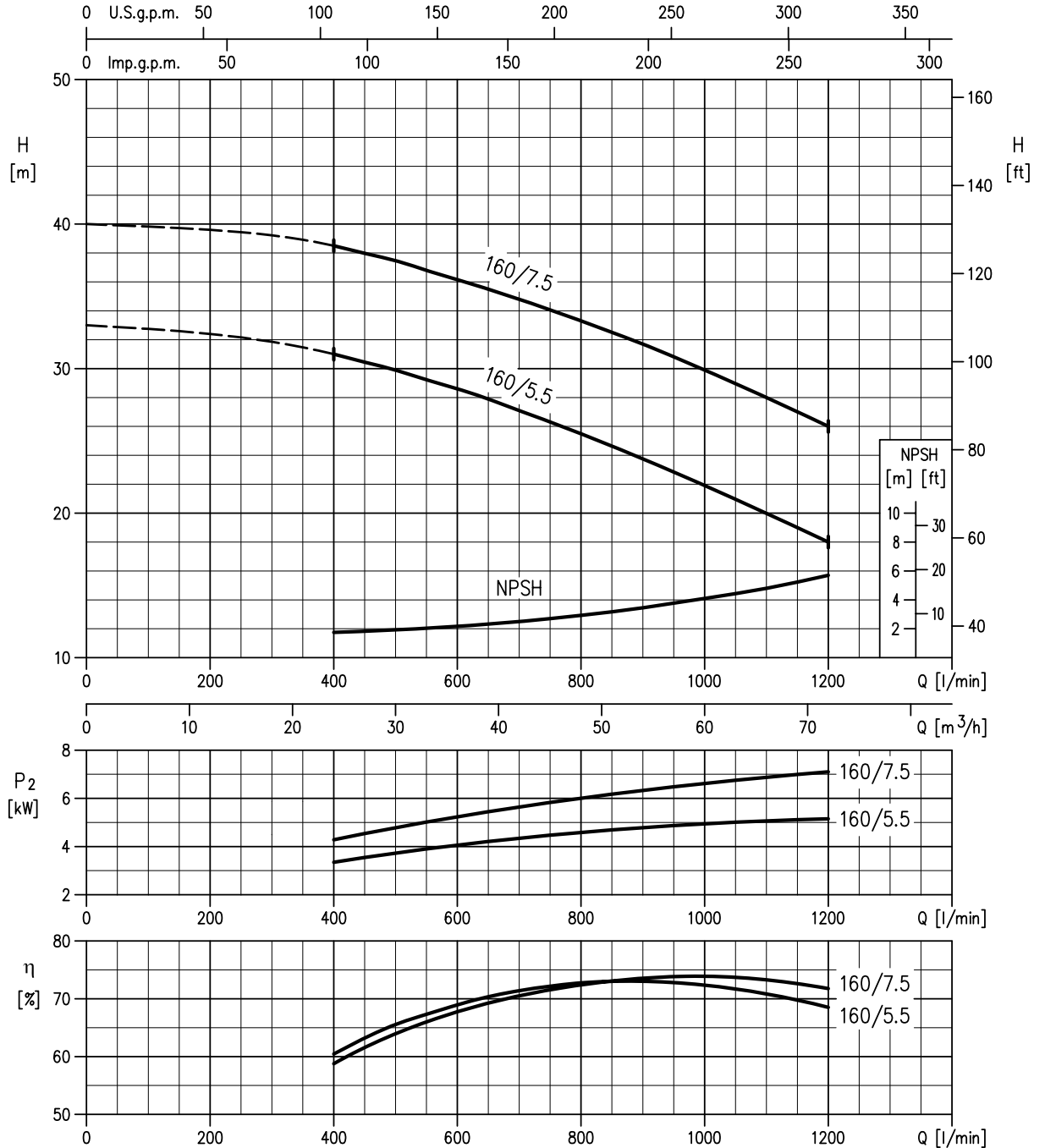
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

50-160/5.5 (5.5kW) – impeller diameter = 154 mm
 50-160/7.5 (7.5kW) – impeller diameter = 166 mm



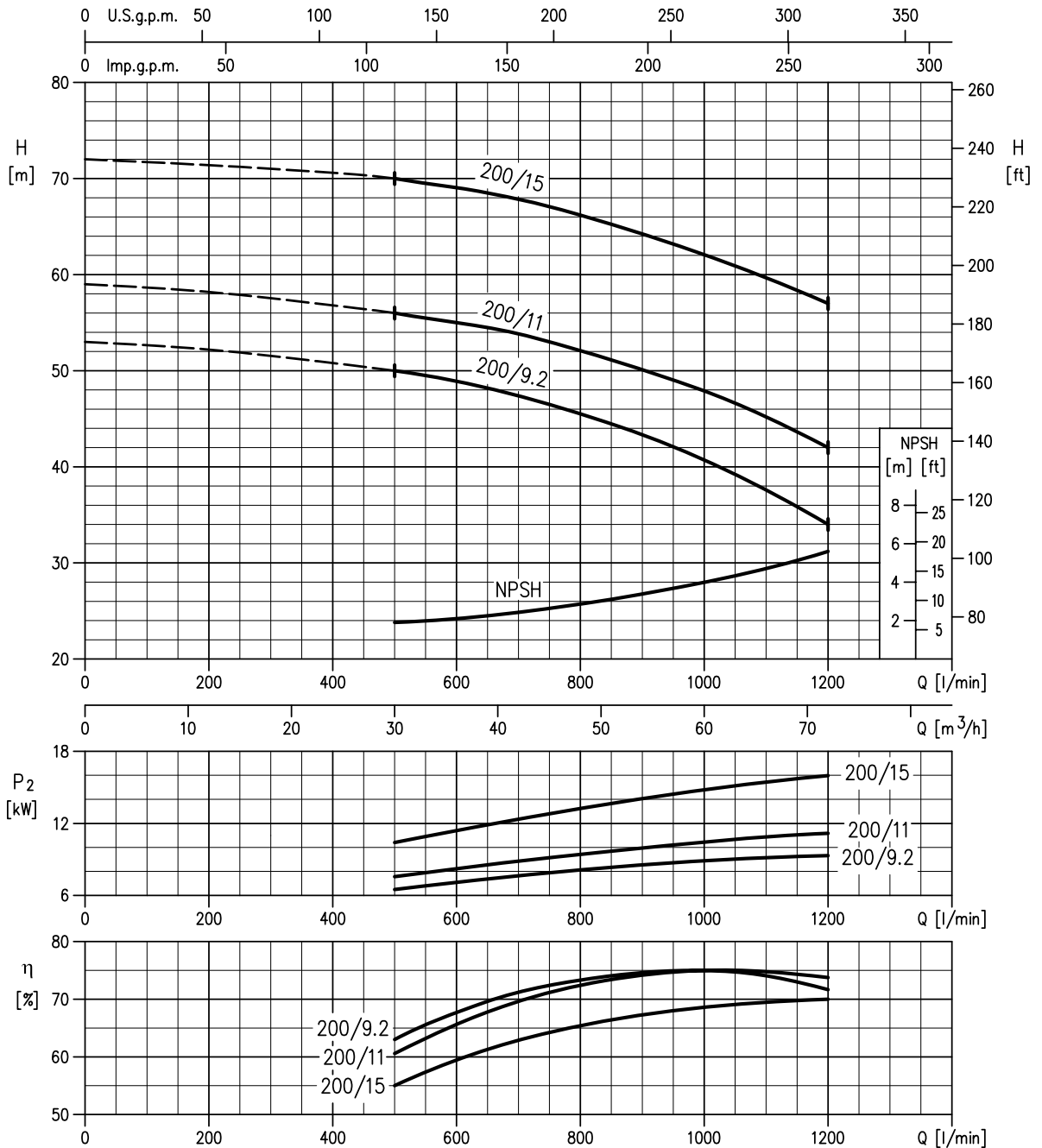
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

50-200/9.2 (9.2kW) – impeller diameter = 191 mm
 50-200/11 (11kW) – impeller diameter = 200 mm
 50-200/15 (15kW) – impeller diameter = 224 mm



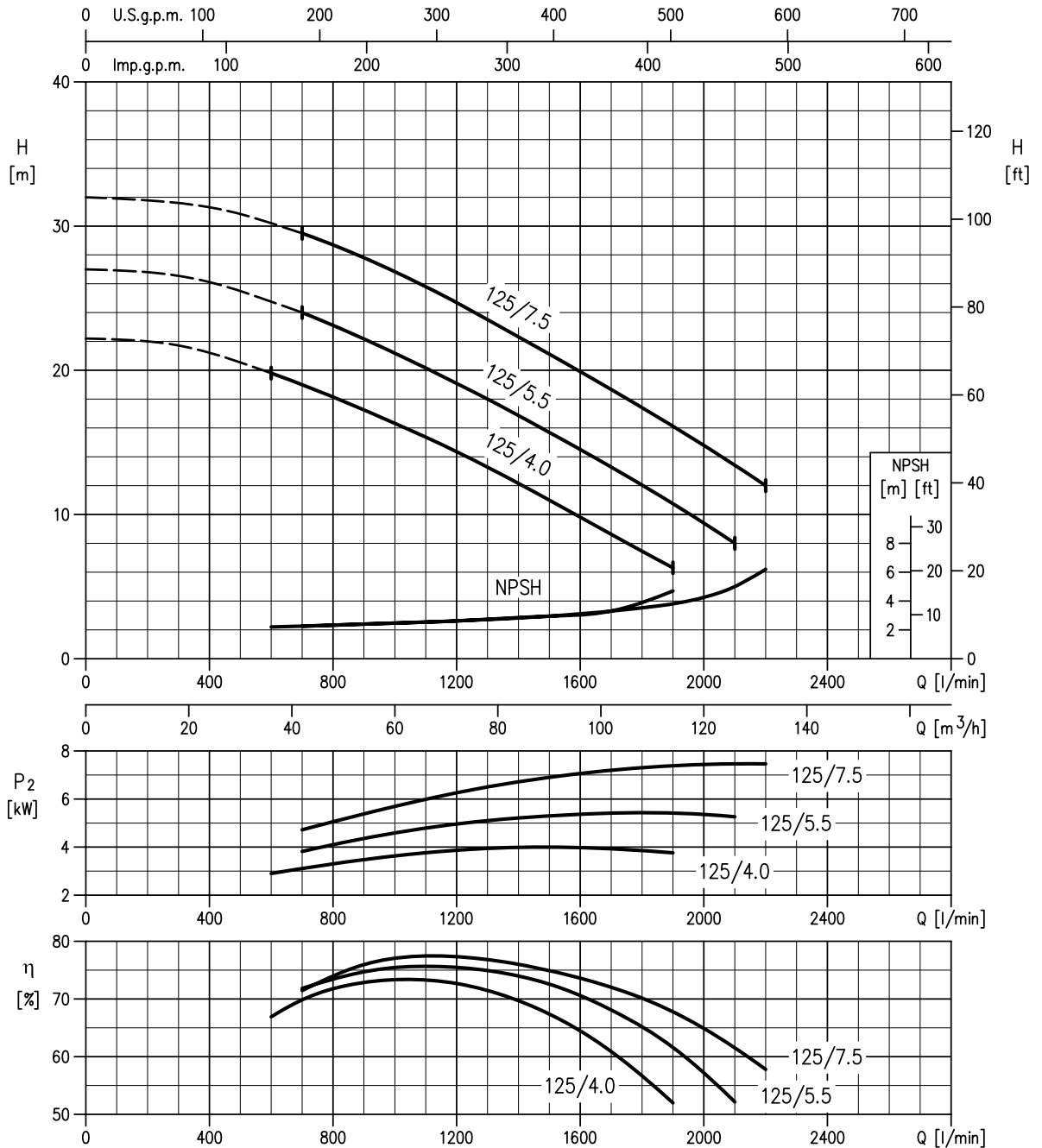
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

65-125/4 (4.0kW) – impeller diameter = 128 mm
 65-125/5.5 (5.5kW) – impeller diameter = 138 mm
 65-125/7.5 (7.5kW) – impeller diameter = 149 mm



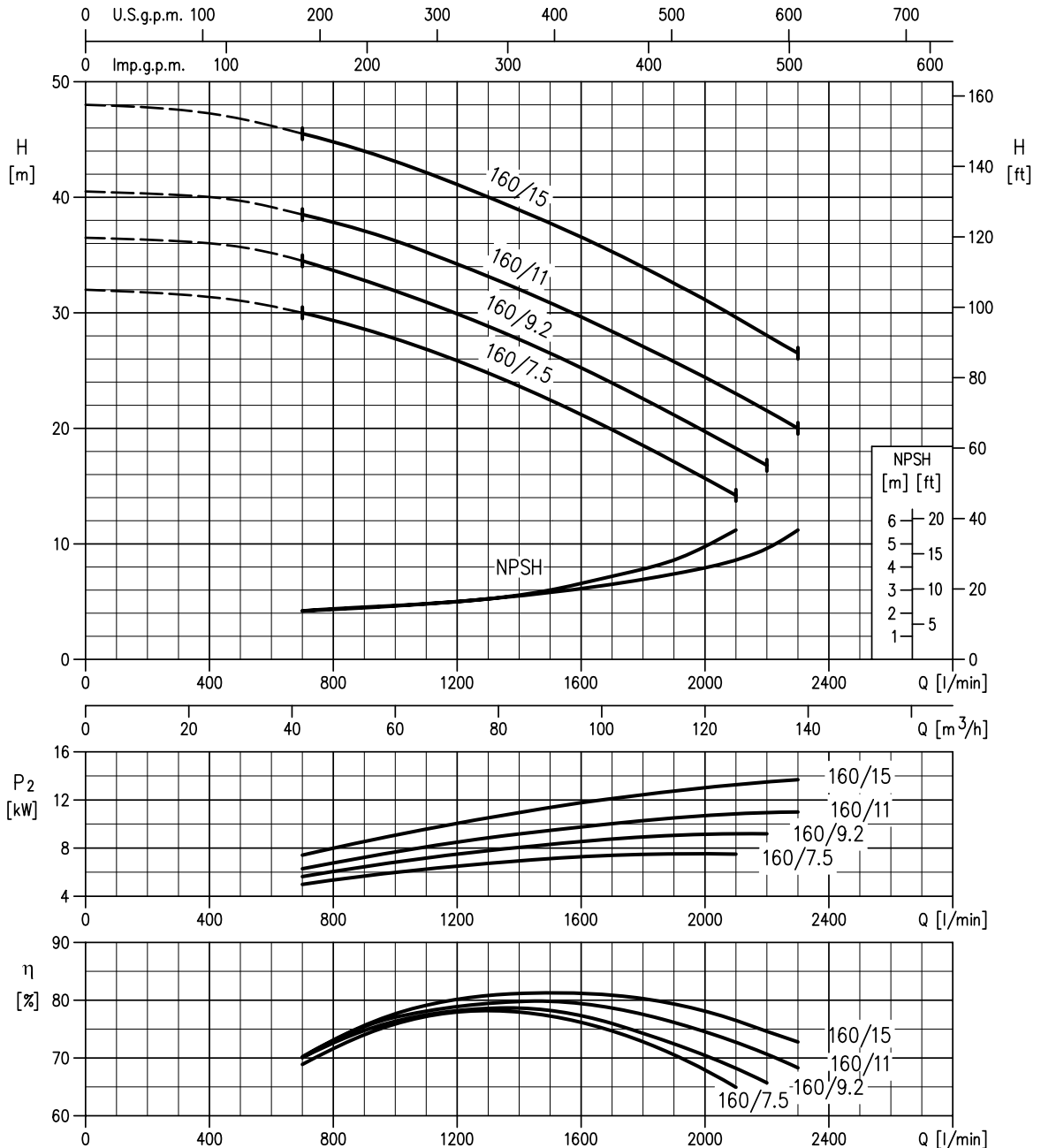
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

65-160/7.5 (7.5kW) – impeller diameter = 153 mm
 65-160/9.2 (9.2kW) – impeller diameter = 161 mm
 65-160/11 (11kW) – impeller diameter = 168 mm
 65-160/15 (15kW) – impeller diameter = 178 mm



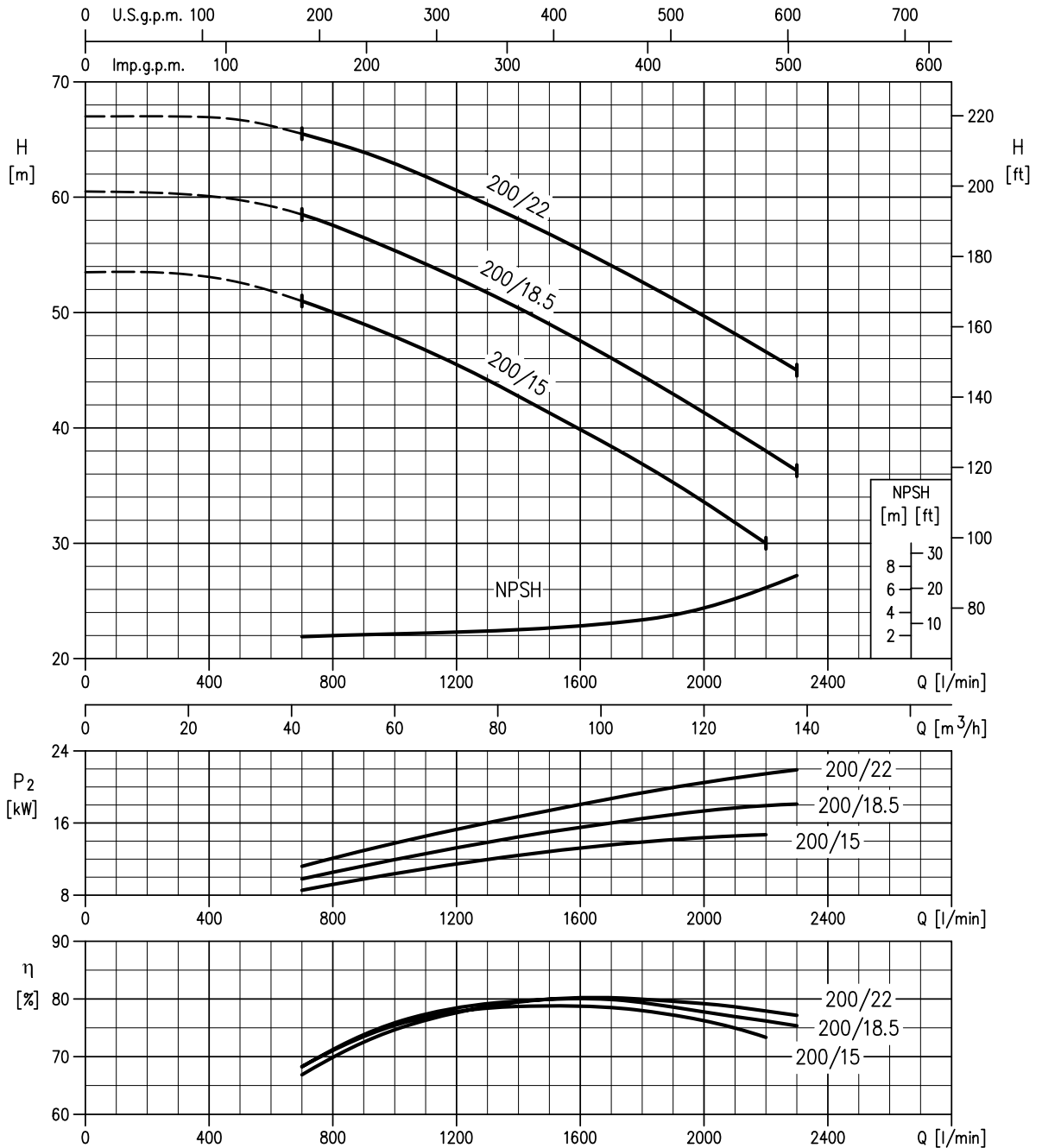
Rotation speed ≈2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

65-200/15 (15kW) – impeller diameter = 190 mm
 65-200/18.5 (18.5kW) – impeller diameter = 201 mm
 65-200/22 (22kW) – impeller diameter = 212 mm



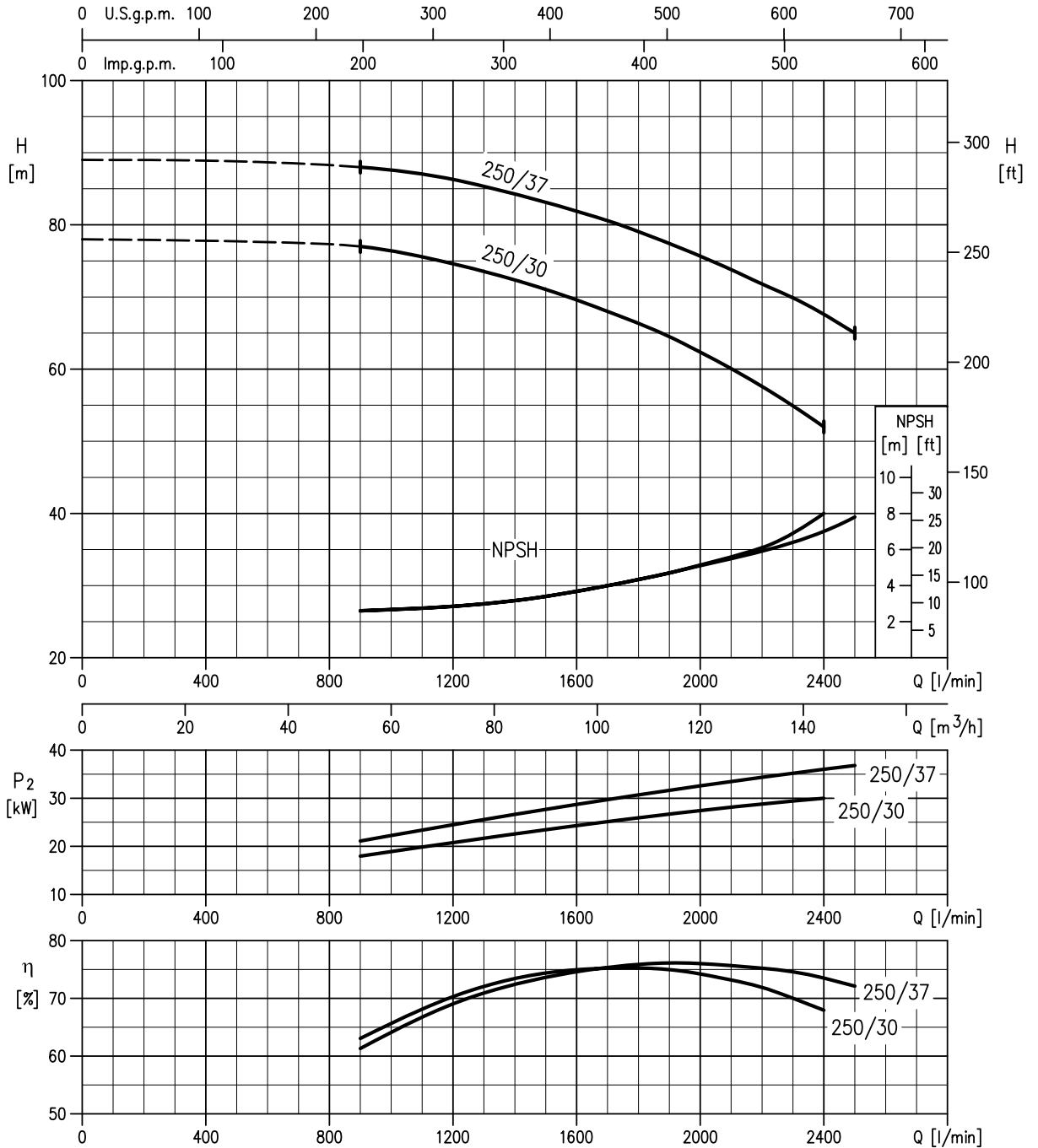
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

65-250/30 (30kW) – impeller diameter = 235 mm
 65-250/37 (37kW) – impeller diameter = 250 mm



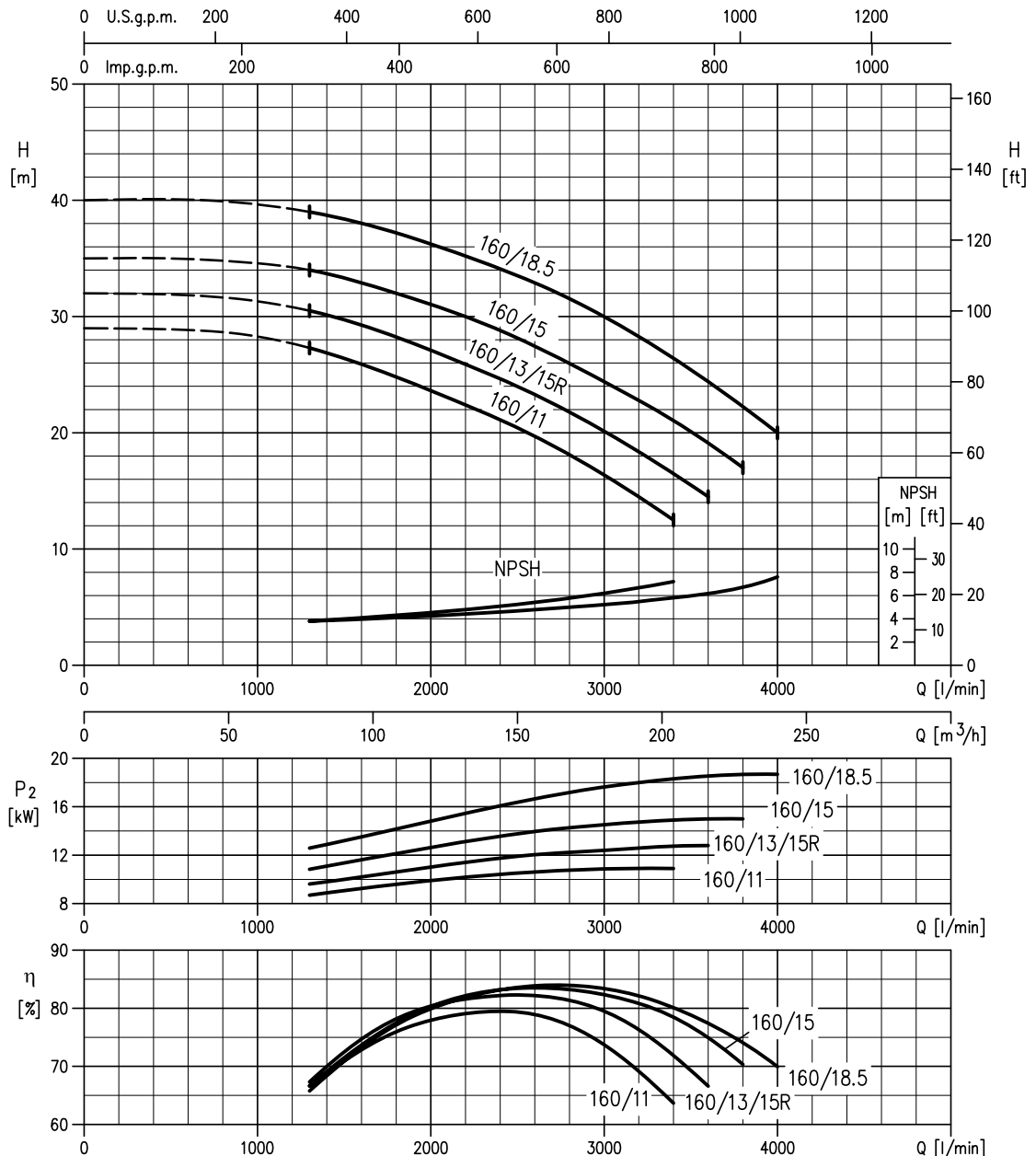
Rotation speed ≈2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

- 80-160/11 (11kW) – impeller diameter = 154 mm
- 80-160/13 (13kW) – impeller diameter = 160 mm
- 80-160/15R (15kW) – impeller diameter = 160 mm
- 80-160/15 (15kW) – impeller diameter = 165 mm
- 80-160/18.5 (18.5kW) – impeller diameter = 174 mm



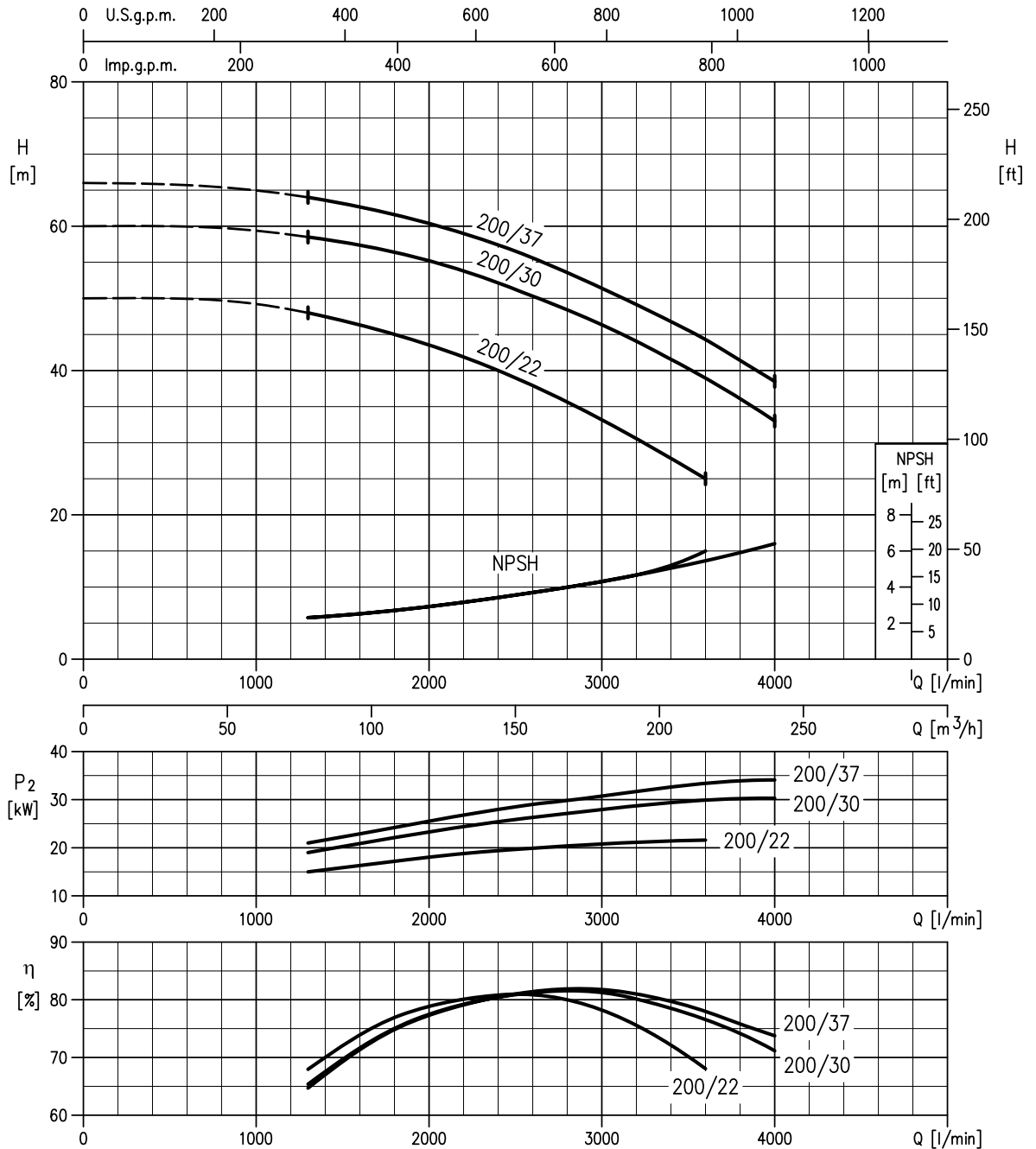
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

80-200/22 (22kW) – impeller diameter = 196 mm
 80-200/30 (30kW) – impeller diameter = 211 mm
 80-200/37 (37kW) – impeller diameter = 219 mm



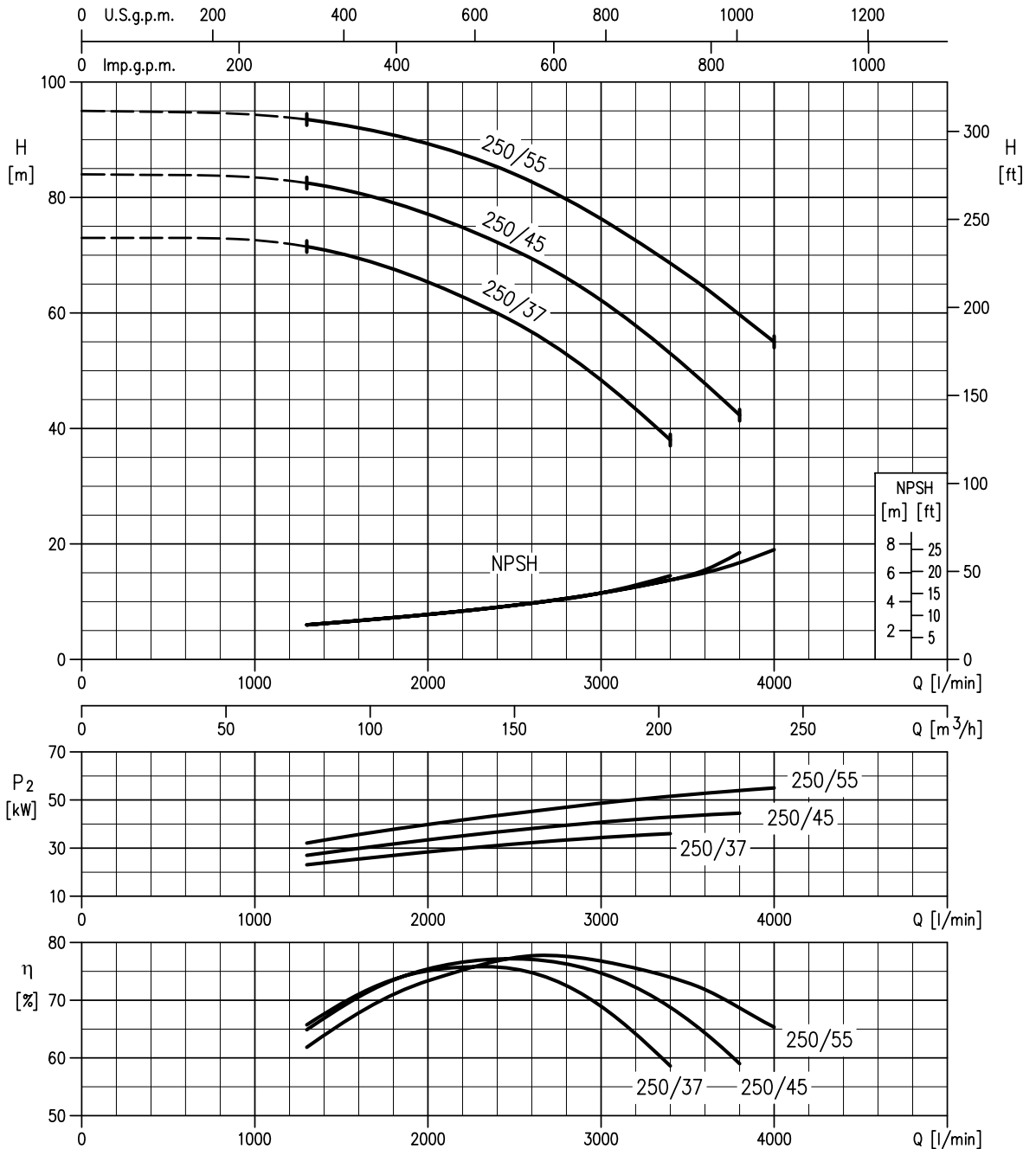
Rotation speed ≈ 2900 min⁻¹
 Test standard : ISO 9906 Annex A

PERFORMANCE CURVE

50 Hz

Rev. H

80-250/37 (37kW) – impeller diameter = 230 mm
 80-250/45 (45kW) – impeller diameter = 245 mm
 80-250/55 (55kW) – impeller diameter = 259 mm

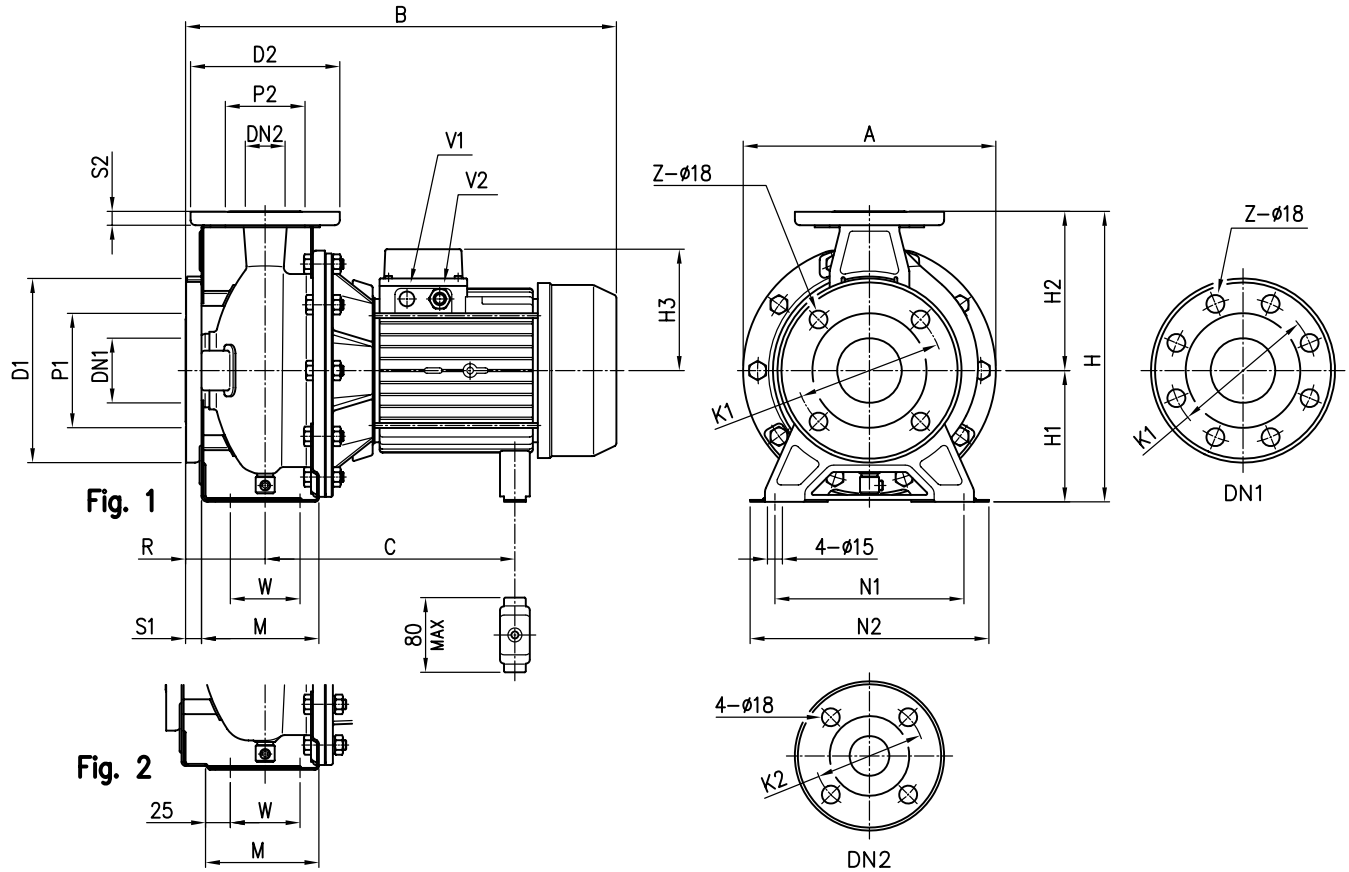


Rotation speed ≈2900 min⁻¹
 Test standard : ISO 9906 Annex A

DIMENSIONS 3(.)M 32, 40, 50, 65

50 Hz

Rev. H



| Model | Dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | Weight [kgf] | | | |
|----------------|-----------------|-----|-----|-----|----|---|-----|----|-----|-----|-----|------|---|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|---------|--------------|---------|---------|------|
| | DN1 | P1 | K1 | D1 | S1 | Z | DN2 | P2 | K2 | D2 | S2 | Fig. | H | H1 | H2 | H3 | R | W | M | N1 | N2 | A | B | C | V1 | V2 | | | | |
| 32-125/1.1 (M) | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 252 | 112 | 140 | 124 | 141 | 80 | 70 | 114 | 140 | 190 | 213 | 408 | 219-230 | - | PG 13.5 | M20x1.5 | 19.6 |
| 32-160/1.5 (M) | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 292 | 132 | 160 | 124 | 141 | 80 | 70 | 118 | 190 | 240 | 254 | 408 | 219-230 | - | PG 13.5 | M20x1.5 | 22.5 |
| 32-160/2.2 (M) | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 292 | 132 | 160 | 124 | 141 | 80 | 70 | 118 | 190 | 240 | 254 | 408 | 219-230 | - | PG 13.5 | M20x1.5 | 24.6 |
| 32-200/3.0 | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 340 | 160 | 180 | 124 | - | 80 | 70 | 119 | 190 | 240 | 296 | 433 | 244-255 | - | PG 13.5 | - | 32.8 |
| 32-200/4.0 | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 340 | 160 | 180 | 141 | - | 80 | 70 | 119 | 190 | 240 | 296 | 454 | 253 | - | PG 16 | - | 39.5 |
| 32-200/5.5 | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 340 | 160 | 180 | 150 | - | 80 | 70 | 119 | 190 | 240 | 296 | 475 | 275 | PG 13.5 | PG 16 | - | 48.5 |
| 32-200/7.5 | 50 | 95 | 125 | 165 | 16 | 4 | - | 32 | 75 | 100 | 140 | 14 | 1 | 340 | 160 | 180 | 150 | - | 80 | 70 | 119 | 190 | 240 | 296 | 517 | 275 | PG 13.5 | PG 16 | - | 57 |
| 40-125/1.5 (M) | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 1 | 252 | 112 | 140 | 124 | 141 | 80 | 70 | 114 | 160 | 210 | 213 | 408 | 219-230 | - | PG 13.5 | M20x1.5 | 20.1 |
| 40-125/2.2 (M) | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 1 | 252 | 112 | 140 | 124 | 141 | 80 | 70 | 114 | 160 | 210 | 213 | 408 | 219-230 | - | PG 13.5 | M20x1.5 | 22.7 |
| 40-160/3.0 | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 1 | 292 | 132 | 160 | 124 | - | 80 | 70 | 118 | 190 | 240 | 254 | 433 | 244-255 | - | PG 13.5 | - | 28 |
| 40-160/4.0 | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 1 | 292 | 132 | 160 | 141 | - | 80 | 70 | 118 | 190 | 240 | 254 | 454 | 253 | - | PG 16 | - | 35.1 |
| 40-200/5.5 | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 2 | 340 | 160 | 180 | 150 | - | 100 | 70 | 115 | 212 | 265 | 296 | 495 | 275 | PG 13.5 | PG 16 | - | 48.8 |
| 40-200/7.5 | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 2 | 340 | 160 | 180 | 150 | - | 100 | 70 | 115 | 212 | 265 | 296 | 537 | 275 | PG 13.5 | PG 16 | - | 56.2 |
| 40-200/11 | 65 | 115 | 145 | 185 | 16 | 4 | - | 40 | 80 | 110 | 150 | 14 | 2 | 340 | 160 | 180 | 178 | - | 100 | 70 | 115 | 212 | 265 | 296 | 594 | 359 | PG 13.5 | PG 21 | - | 67.5 |
| 50-125/2.2 (M) | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 292 | 132 | 160 | 124 | 141 | 100 | 70 | 114 | 190 | 240 | 254 | 428 | 219-230 | - | PG 13.5 | M20x1.5 | 28.1 |
| 50-125/3.0 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 292 | 132 | 160 | 124 | - | 100 | 70 | 114 | 190 | 240 | 254 | 453 | 244-255 | - | PG 13.5 | - | 28.6 |
| 50-125/4.0 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 292 | 132 | 160 | 141 | - | 100 | 70 | 114 | 190 | 240 | 254 | 474 | 253 | - | PG 16 | - | 35.2 |
| 50-160/5.5 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 340 | 160 | 180 | 150 | - | 100 | 70 | 115 | 212 | 265 | 296 | 495 | 275 | PG 13.5 | PG 16 | - | 49.1 |
| 50-160/7.5 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 340 | 160 | 180 | 150 | - | 100 | 70 | 115 | 212 | 265 | 296 | 537 | 275 | PG 13.5 | PG 16 | - | 55.5 |
| 50-200/9.2 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 360 | 160 | 200 | 178 | - | 100 | 70 | 115 | 212 | 265 | 296 | 594 | 359 | PG 13.5 | PG 21 | - | 61.7 |
| 50-200/11 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 16 | 2 | 360 | 160 | 200 | 178 | - | 100 | 70 | 115 | 212 | 265 | 296 | 594 | 359 | PG 13.5 | PG 21 | - | 67.5 |
| 65-125/4 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 16 | 2 | 340 | 160 | 180 | 141 | - | 100 | 95 | 140 | 212 | 280 | 254 | 474 | 253 | - | PG 16 | - | 40 |
| 65-125/5.5 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 16 | 2 | 340 | 160 | 180 | 150 | - | 100 | 95 | 140 | 212 | 280 | 254 | 495 | 275 | PG 13.5 | PG 16 | - | 52 |
| 65-125/7.5 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 16 | 2 | 340 | 160 | 180 | 150 | - | 100 | 95 | 140 | 212 | 280 | 254 | 537 | 275 | PG 13.5 | PG 16 | - | 58.5 |
| 65-160/7.5 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 16 | 2 | 360 | 160 | 200 | 150 | - | 100 | 95 | 140 | 212 | 280 | 296 | 537 | 275 | PG 13.5 | PG 16 | - | 62 |
| 65-160/9.2 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 16 | 2 | 360 | 160 | 200 | 178 | - | 100 | 95 | 140 | 212 | 280 | 296 | 594 | 359 | PG 13.5 | PG 21 | - | 67 |
| 65-160/11 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 16 | 2 | 360 | 160 | 200 | 178 | - | 100 | 95 | 140 | 212 | 280 | 296 | 594 | 359 | PG 13.5 | PG 21 | - | 75.6 |

[1] Standard [2] On request [3] Only for three phase [4] Only for single phase

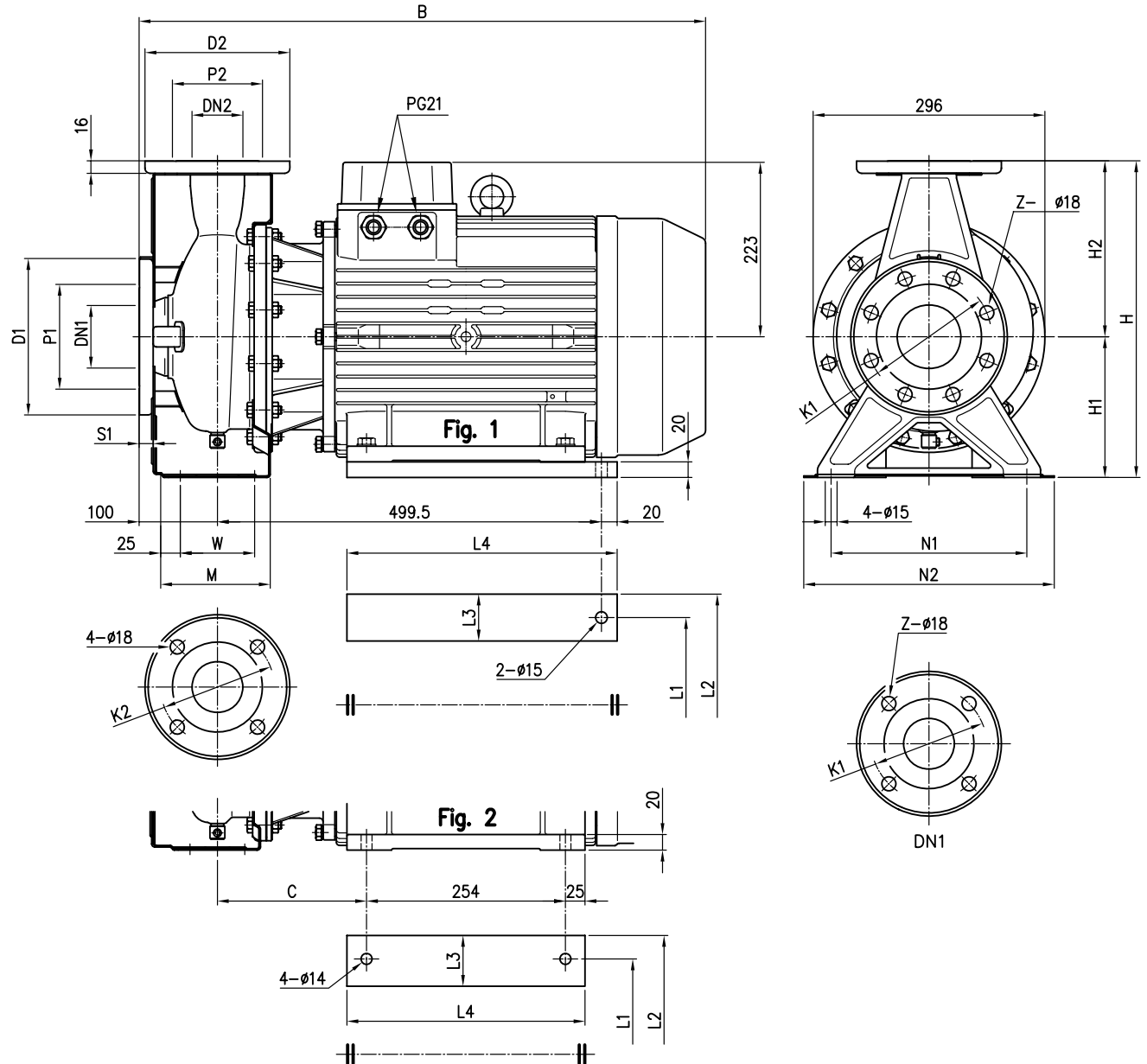
CENTRIFUGAL PUMPS

3 series

DIMENSIONS 3(.)M 50, 65

50 Hz

Rev. H



| Model | Dimensions [mm] | | | | | | | | | | | | | | | | | | | | Weight [kgf] | | | | | |
|-------------|-----------------|------|------|------|----|-------|-------|-------|------|------|------|------|-----|-----|-----|----|-----|-----|-----|-----|--------------|-----|-----|----|-----|-----|
| | ∅ DN1 | ∅ P1 | ∅ K1 | ∅ D1 | S1 | Z [1] | Z [2] | ∅ DN2 | ∅ P2 | ∅ K2 | ∅ D2 | Fig. | H | H1 | H2 | W | M | N1 | N2 | B | | C | L1 | L2 | L3 | L4 |
| 50-200/15 | 65 | 115 | 145 | 185 | 16 | 4 | - | 50 | 95 | 125 | 165 | 2 | 360 | 160 | 200 | 70 | 115 | 212 | 265 | 723 | 190.5 | 254 | 318 | 65 | 304 | 96 |
| 65-160/15 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 2 | 360 | 160 | 200 | 95 | 140 | 212 | 280 | 732 | 199.5 | 254 | 318 | 65 | 304 | 93 |
| 65-200/15 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 1 | 405 | 180 | 225 | 95 | 140 | 250 | 320 | 732 | - | 254 | 314 | 60 | 345 | 114 |
| 65-200/18.5 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 1 | 405 | 180 | 225 | 95 | 140 | 250 | 320 | 732 | - | 254 | 314 | 60 | 345 | 127 |
| 65-200/22 | 80 | 134 | 160 | 200 | 18 | 8 | 4 | 65 | 115 | 145 | 185 | 1 | 405 | 180 | 225 | 95 | 140 | 250 | 320 | 732 | - | 254 | 314 | 60 | 345 | 136 |

[1] Standard

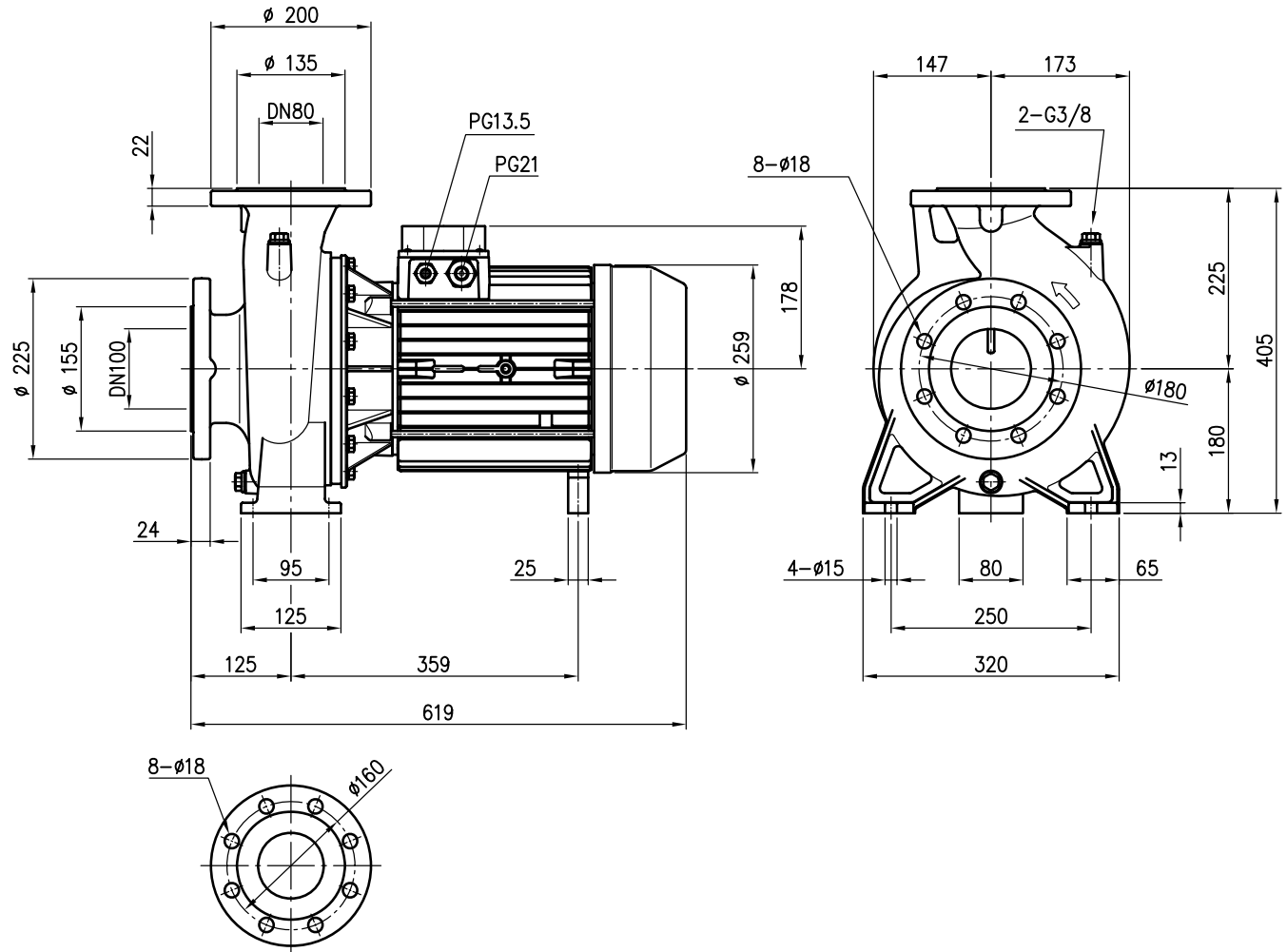
[2] On request

DIMENSIONS **3LM 80-160**

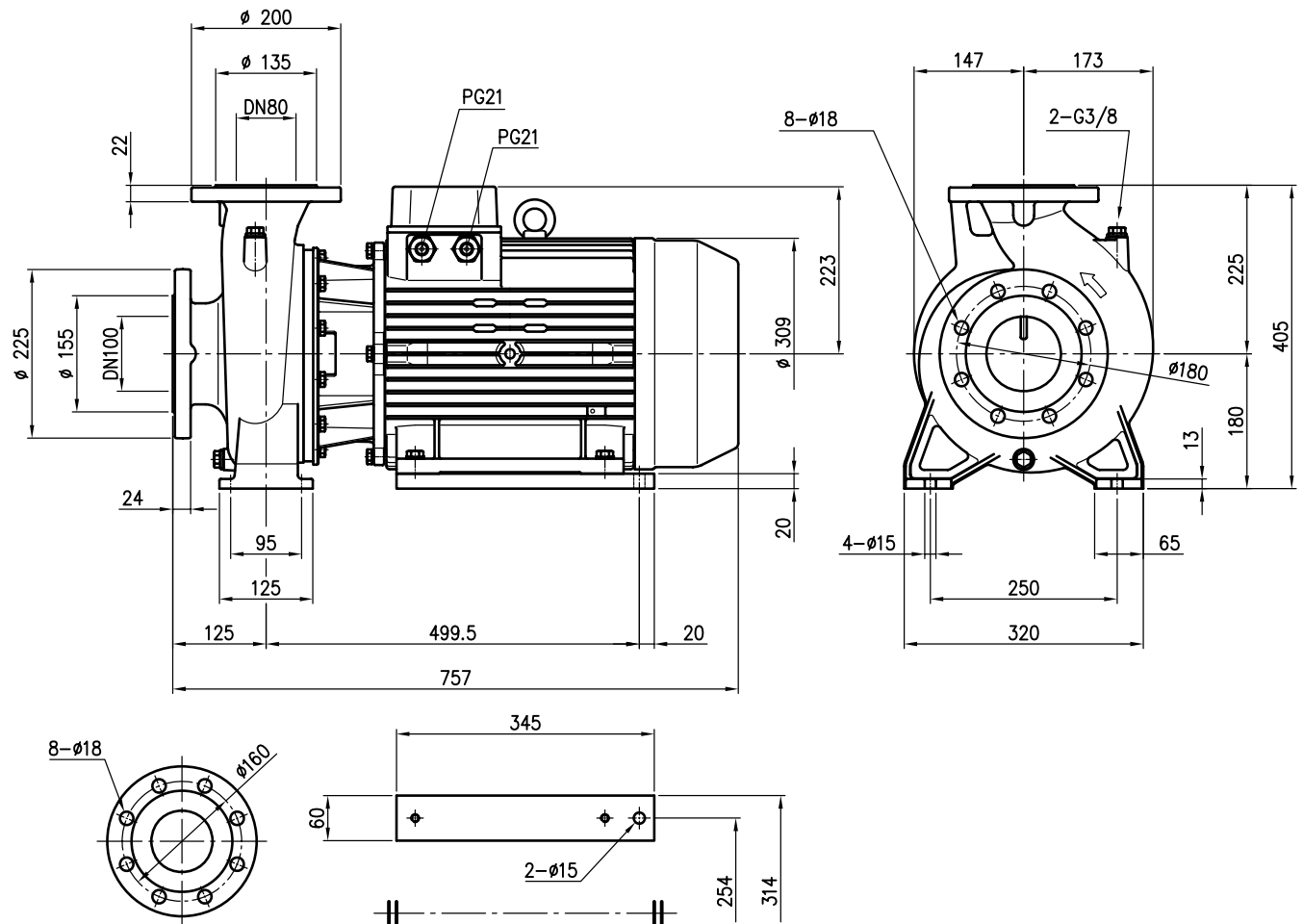
50 Hz

Rev. H

80-160/11 – 80-160/13



Pumps weight
 80-160/11 : 94 kgf
 80-160/13 : 97 kgf

80-160/15 – 80-160/18.5

Pumps weight

80-160/15 : 130 kgf

80-160/18.5 : 143 kgf

MOTOR DATA

50 Hz

Rev. H

| Pump type 50 Hz | Power | | Motor | | Capacitor | | Input [kW] | Full load current [A] | | | Locked rotor current [A] | | | | |
|--------------------|-------|------|-------|------|-----------|-----|---------------|--------------------------|-------|-------|-----------------------------|-------|-------|------|------|
| | kW | HP | Size | Type | m F | Vc | | 230 V | 400 V | 690 V | 230 V | 400 V | 690 V | | |
| 3(.)M 32-125/1.1 M | 1.1 | 1.5 | 90 | - | 31.5 | 450 | 1.51 | 6.7 | - | - | 23.5 | - | - | | |
| 3(.)M 32-125/1.1 | 1.5 | 2 | | | - | - | 2 | 5.9 | 3.4 | - | - | 36.5 | 21.1 | - | |
| 3(.)M 32-160/1.5 M | 1.5 | 2 | | | 40 | 450 | 2.1 | 9.6 | - | - | - | 47 | - | - | |
| 3(.)M 32-160/1.5 | 1.5 | 2 | | | - | - | 2 | 5.9 | 3.4 | - | - | 36.5 | 21.1 | - | |
| 3(.)M 32-160/2.2 M | 2.2 | 3 | | | 50 | 450 | 2.95 | 13.3 | - | - | - | 63.8 | - | - | |
| 3(.)M 32-160/2.2 | 2.2 | 3 | | | - | - | 2.8 | 8.3 | 4.8 | - | - | 53.2 | 30.7 | - | |
| 3(.)M 32-200/3.0 | 3 | 4 | | | - | - | 3.75 | 11.3 | 6.5 | - | - | 75.5 | 43.6 | - | |
| 3(.)M 32-200/4.0 | 4 | 5.5 | | | 100 | - | 5.1 | 15.9 | 9.2 | - | - | 82.8 | 47.8 | - | |
| 3(.)M 32-200/5.5 | 5.5 | 7.5 | | | 112 | - | 6.7 | - | 11.8 | 6.8 | - | - | 89.7 | 51.8 | - |
| 3(.)M 32-200/7.5 | 7.5 | 10 | | | | | 9.1 | - | 15.7 | 9.1 | - | - | 126 | 72.5 | - |
| 3(.)M 40-125/1.5 M | 1.5 | 2 | 90 | - | 40 | 450 | 2.1 | 9.6 | - | - | 47 | - | - | | |
| 3(.)M 40-125/1.5 | 1.5 | 2 | | | - | - | 2 | 5.9 | 3.4 | - | - | 36.5 | 21.1 | - | |
| 3(.)M 40-125/2.2 M | 2.2 | 3 | | | 50 | 450 | 2.95 | 13.3 | - | - | - | 63.8 | - | - | |
| 3(.)M 40-125/2.2 | 2.2 | 3 | | | - | - | 2.8 | 8.3 | 4.8 | - | - | 53.2 | 30.7 | - | |
| 3(.)M 40-160/3.0 | 3 | 4 | | | - | - | 3.75 | 11.3 | 6.5 | - | - | 75.5 | 43.6 | - | |
| 3(.)M 40-160/4.0 | 4 | 5.5 | | | 100 | - | 5.1 | 15.9 | 9.2 | - | - | 82.8 | 47.8 | - | |
| 3(.)M 40-200/5.5 | 5.5 | 7.5 | | | 112 | - | 6.7 | - | 11.8 | 6.8 | - | - | 89.7 | 51.8 | - |
| 3(.)M 40-200/7.5 | 7.5 | 10 | | | | | 9.1 | - | 15.7 | 9.1 | - | - | 126 | 72.5 | - |
| 3(.)M 40-200/11 | 11 | 15 | | | 132 | - | 13.1 | - | 22 | 12.7 | - | 136 | 78.7 | - | |
| 3(.)M 50-125/2.2 M | 2.2 | 3 | | | 90 | - | 50 | 450 | 2.95 | 13.3 | - | - | 63.8 | - | - |
| 3(.)M 50-125/2.2 | 2.2 | 3 | - | - | | | 2.8 | 8.3 | 4.8 | - | - | 53.2 | 30.7 | - | |
| 3(.)M 50-125/3.0 | 3 | 4 | - | - | | | 3.75 | 11.3 | 6.5 | - | - | 98 | 43.6 | - | |
| 3(.)M 50-125/4.0 | 4 | 5.5 | 100 | - | | | 5.1 | 15.9 | 9.2 | - | - | 82.8 | 47.8 | - | |
| 3(.)M 50-160/5.5 | 5.5 | 7.5 | 112 | - | | | 6.7 | - | 11.8 | 6.8 | - | - | 89.7 | 51.8 | - |
| 3(.)M 50-160/7.5 | 7.5 | 10 | | | | | 9.1 | - | 15.7 | 9.1 | - | - | 126 | 72.5 | - |
| 3(.)M 50-200/9.2 | 9.2 | 12.5 | 132 | - | | | 11 | - | 18.8 | 10.8 | - | - | 117 | 67.3 | - |
| 3(.)M 50-200/11 | 11 | 15 | | | | | 13.1 | - | 22 | 12.7 | - | - | 136 | 78.7 | - |
| 3(.)M 50-200/15 | 15 | 20 | 160 | - | | | 17.5 | - | 30 | 17.3 | - | 231 | 133 | - | |
| 3(.)M 65-125/4 | 4 | 5.5 | 100 | - | | | - | - | 5.1 | 15.9 | 9.2 | - | 82.8 | 47.8 | - |
| 3(.)M 65-125/5.5 | 5.5 | 7.5 | 112 | - | - | - | 6.7 | - | 11.8 | 6.8 | - | 89.7 | 51.8 | | |
| 3(.)M 65-125/7.5 | 7.5 | 10 | | | 9.1 | - | 15.7 | 9.1 | - | - | 126 | 72.5 | - | | |
| 3(.)M 65-160/7.5 | 7.5 | 10 | 132 | - | - | - | 9.1 | - | 15.7 | 9.1 | - | 126 | 72.5 | | |
| 3(.)M 65-160/9.2 | 9.2 | 12.5 | | | 11 | - | 18.8 | 10.8 | - | - | 117 | 67.3 | - | | |
| 3(.)M 65-160/11 | 11 | 15 | 160 | - | - | - | 13.1 | - | 22 | 12.7 | - | 136 | 78.5 | | |
| 3(.)M 65-160/15 | 15 | 20 | | | 17.5 | - | 30 | 17.3 | - | - | 231 | 133 | - | | |
| 3(.)M 65-200/15 | 15 | 20 | 160 | - | - | - | 17.5 | - | 30 | 17.3 | - | 231 | 133 | | |
| 3(.)M 65-200/18.5 | 18.5 | 25 | | | 21.3 | - | 39 | 22.5 | - | - | 339 | 196 | - | | |
| 3(.)M 65-200/22 | 22 | 30 | | | 25 | - | 42.3 | 24.4 | - | - | 368 | 213 | - | | |
| 3LM 80-160/11 | 11 | 15 | | | 132 | - | - | - | 13.1 | - | 22 | 12.7 | - | 136 | 78.7 |
| 3LM 80-160/13 | 13 | 17.5 | 160 | - | - | - | 15 | - | 25 | 14.4 | - | 188 | 108 | | |
| 3LM 80-160/15 | 15 | 20 | | | 17.5 | - | 30 | 17.3 | - | - | 231 | 133 | - | | |
| 3LM 80-160/18.5 | 18.5 | 25 | | | 21.3 | - | 39 | 22.5 | - | - | 339 | 196 | - | | |