
EBARA

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# SPECIFICATIONS 3M

50 Hz

Rev D

| PUMP | | |
|---|---|---|
| Liquid Handled | Type of liquid | Clean water |
| | Temperature [°C] | min. -10<br>max. +90<br>max. +110 (3MH)-(3MHS) |
| Maximum working pressure [MPa] | | 1 |
| Construction | Impeller | Closed centrifugal type<br>Reinforced laser welding for types 40-200/11, 50-200/15 |
| | Shaft seal type | Mechanical seal |
| | Bearing | Sealed ball bearing with permanent grease |
| Pipe Connection | Suction-Flange | Flange to DIN 2532 (50mm - 65mm) |
| | Discharge-Flange | Flange to DIN 2532 (32mm - 40mm - 50mm) |
| Material | Casing | AISI 304 |
| | Impeller | AISI 304 |
| | Casing cover | AISI 304 |
| | Mechanical seal | Ceramic/Carbon/NBR (for 3M)<br>Ceramic/Carbon/FPM (for 3MH)<br>SiC/SiC/FPM (for 3MHS) |
| | Shaft | AISI 304 (Part in contact with liquid) |
| | Bracket | Cast iron |
| Applicable standard of test | | ISO 9906 - Annex A |

| MOTOR | | | |
|---|---|---|---|
| Type | | Electric - TEFC | |
| | | Single Phase | Three Phase |
| No. of Poles | | 2 | |
| Rotation speed | [$min^{-1}$] | ≈2800 | |
| Insulation Class | | F | |
| Protection degree | | IP 55 | |
| Power Rating | [kW] | 1.1÷2.2 | 1.1÷15 |
| | [HP] | 1.5÷3.0 | 1.5 ÷ 20 |
| Frequency | [Hz] | 50 | |
| Voltage | [V] | 230 ±10% | 230/400 ±10% (up to 4.0 kW)<br>400/690 ±10% (5.5 kW and above) |
| Capacitor | | Built in | - |
| Over load protection | | Built in | Provided by the user |
| Casing material | | Aluminium | |
| Dimensions of cable entry | | PG 13.5 | PG 13.5 - PG 16 - PG 21<br>(see dimensions page 400, 401) |

# SPECIFICATIONS 3LM

50 Hz

Rev D

| PUMP | | |
|---|---|---|
| Liquid Handled | Type of liquid | Clean water |
| | Temperature [°C] | min. -10<br>max. +110 |
| Maximum working pressure [MPa] | | 1 |
| Construction | Impeller | Closed centrifugal type<br>Reinforced laser welding for types 40-200/11, 50-200/15 |
| | Shaft seal type | Mechanical seal with stationary ring secured against rotation |
| | Bearing | Sealed ball bearing with permanent grease |
| Pipe Connection | Suction-Flange | Flange to DIN 2532 (50mm - 65mm) |
| | Discharge-Flange | Flange to DIN 2532 (32mm - 40mm - 50mm) |
| Material | Casing | AISI 316L |
| | Impeller | AISI 316L |
| | Casing cover | AISI 316L |
| | Mechanical seal | SiC/SiC/FPM |
| | Shaft | AISI 316L (Part in contact with liquid) |
| | Bracket | Cast iron |
| | Drain plug | AISI 316 |
| | Key | AISI 316 |
| Applicable standard of test | | ISO 9906 - Annex A |

| MOTOR | | | |
|---|---|---|---|
| Type | | Electric - TEFC | |
| | | Single Phase | Three Phase |
| No. of Poles | | 2 | |
| Rotation speed | [$min^{-1}$] | ≈2800 | |
| Insulation Class | | F | |
| Protection degree | | IP 55 | |
| Power Rating | [kW] | 1.1÷2.2 | 1.1÷15 |
| | [HP] | 1.5÷3.0 | 1.5 ÷ 20 |
| Frequency | [Hz] | 50 | |
| Voltage | [V] | 230 ±10% | 230/400 ±10% (up to 4.0 kW)<br>400/690 ±10% (5.5 kW and above) |
| Capacitor | | Built in | - |
| Over load protection | | Built in | Provided by the user |
| Casing material | | Aluminium | |
| Dimensions of cable entry | | PG 13.5 | PG 13.5 - PG 16 - PG 21<br>(see dimensions page 400, 401) |

# SPECIFICATIONS 3S

50 Hz

Rev D

| PUMP | | |
|---|---|---|
| Liquid Handled | Type of liquid | Clean water |
| | Temperature [°C] | min. -10<br>max. +90<br>max. +110 (3SH)-(3SHS) |
| Maximum working pressure [MPa] | | 1 |
| Construction | Impeller | Closed centrifugal type<br>Reinforced laser welding for types 40-200/11, 50-200/15 |
| | Shaft seal type | Mechanical seal |
| | Bearing | Sealed ball bearing with permanent grease |
| Pipe Connection | Suction-Flange | Flange to DIN 2532 (50mm - 65mm) |
| | Discharge-Flange | Flange to DIN 2532 (32mm - 40mm - 50mm) |
| Material | Casing | AISI 304 |
| | Impeller | AISI 304 |
| | Casing cover | AISI 304 |
| | Mechanical seal | Ceramic/Carbon/NBR (for 3S)<br>Ceramic/Carbon/FPM (for 3SH)<br>SiC/SiC/FPM (for 3SHS) |
| | Shaft | AISI 304 (Part in contact with liquid) |
| | Bracket | Cast iron |
| Applicable standard of test | | ISO 9906 - Annex A |

| MOTOR | | |
|---|---|---|
| Type | | Electric - TEFC |
| | | Three Phase |
| No. of Poles/Speed | | 2 |
| Rotation speed | [$min^{-1}$] | ≈2800 |
| Insulation Class | | F |
| Protection degree | | IP 55 |
| Power rating | [kW] | 1.1 ÷ 15 |
| | [HP] | 1.5 ÷ 20 |
| Frequency - Hz | [Hz] | 50 |
| Voltage | [V] | 230/400 ±10% (up to 4.0 kW)<br>400/690 ±10% (5.5 kW and above) |
| Over load protection | | Provided by the user |
| Casing material | | Aluminium |
| Dimensions of cable entry | | PG 13.5 - PG 16 - PG 21 - PG 29<br>(see dimensions page 402 - 403 - 404 - 405) |
| Mounting arrangements (IEC motor) | | IM B5 (up to 2.2 kW)<br>IM B35 (3.0 kW and above) |

# SPECIFICATIONS 3LS

50 Hz

Rev D

| PUMP | | |
|---|---|---|
| Liquid Handled | Type of liquid | Clean water |
| | Temperature [°C] | min. -10<br>max. +110 |
| Maximum working pressure [MPa] | | 1 |
| Construction | Impeller | Closed centrifugal type<br>Reinforced laser welding for types 40-200/11, 50-200/15 |
| | Shaft seal type | Mechanical seal with stationary ring secured against rotation |
| | Bearing | Sealed ball bearing with permanent grease |
| Pipe Connection | Suction-Flange | Flange to DIN 2532 (50mm - 65mm) |
| | Discharge-Flange | Flange to DIN 2532 (32mm - 40mm - 50mm) |
| Material | Casing | AISI 316L |
| | Impeller | AISI 316L |
| | Casing cover | AISI 316L |
| | Mechanical seal | SiC/SiC/FPM |
| | Shaft | AISI 316L (Part in contact with liquid) |
| | Bracket | Cast iron |
| | Drain plug | AISI 316 |
| | Key | AISI 316 |
| Applicable standard of test | | ISO 9906 - Annex A |

| MOTOR | | |
|---|---|---|
| Type | | Electric - TEFC |
| | | Three Phase |
| No. of Poles/Speed | | 2 |
| Rotation speed | [$min^{-1}$] | ≈2800 |
| Insulation Class | | F |
| Protection degree | | IP 55 |
| Power rating | [kW] | 1.1 ÷ 15 |
| | [HP] | 1.5 ÷ 20 |
| Frequency - Hz | [Hz] | 50 |
| Voltage | [V] | 230/400 ±10% (up to 4.0 kW)<br>400/690 ±10% (5.5 kW and above) |
| Over load protection | | Provided by the user |
| Casing material | | Aluminium |
| Dimensions of cable entry | | PG 13.5 - PG 16 - PG 21 - PG 29<br>(see dimensions page 402 - 403 - 404 - 405) |
| Mounting arrangements (IEC motor) | | IM B5 (up to 2.2 kW)<br>IM B35 (3.0 kW and above) |

# SPECIFICATIONS 3P

50 Hz

Rev D

| PUMP | | | |
|---|---|---|---|
| Liquid Handled | Type of liquid | | Clean water |
| | Temperature | [°C] | min. -10<br>max. +90<br>max. +110 (3PH)-(3PHS) |
| Maximum working pressure | | [MPa] | 1 |
| Construction | Impeller | | Closed centrifugal type<br>Reinforced laser welding for types 40-200/11, 50-200/15 |
| | Shaft seal type | | Mechanical seal |
| | Bearing | | Sealed ball bearing with permanent grease |
| Pipe Connection | Suction-Flange | | Flange to DIN 2532 (50mm - 65mm) |
| | Discharge-Flange | | Flange to DIN 2532 (32mm - 40mm - 50mm) |
| Material | Casing | | AISI 304 |
| | Impeller | | AISI 304 |
| | Casing cover | | AISI 304 |
| | Mechanical seal | | Ceramic/Carbon/NBR (for 3P)<br>Ceramic/Carbon/FPM (for 3PH)<br>SiC/SiC/FPM (for 3PHS) |
| | Shaft | | AISI 304 (Part in contact with liquid) |
| | Bracket | | Cast iron |
| Applicable standard of test | | | ISO 9906 - Annex A |

| MOTOR | | |
|---|---|---|
| Type | | Electric - TEFC |
| | | Three Phase |
| No. of Poles | | 2 |
| Rotation speed | [$min^{-1}$] | ≈2800 |
| Insulation Class | | F |
| Protection degree | | IP 55 |
| Power rating | [kW] | 1.5 ÷ 15 |
| | [HP] | 1.5 ÷ 20 |
| Frequency | [Hz] | 50 |
| Voltage | [V] | 230/400 ±10% (4 kW and below)<br>400/690 ±10% (5.5 kW and above) |
| Over load protection | | Provided by the user |
| Casing material | | Aluminium |
| Dimensions of cable entry | | PG 13.5 - PG 16 - PG 21 - PG 29<br>(see dimensions page 406) |
| Mounting arrangements (IEC motor) | | IM B3 |

# SPECIFICATIONS 3LP

50 Hz

Rev D

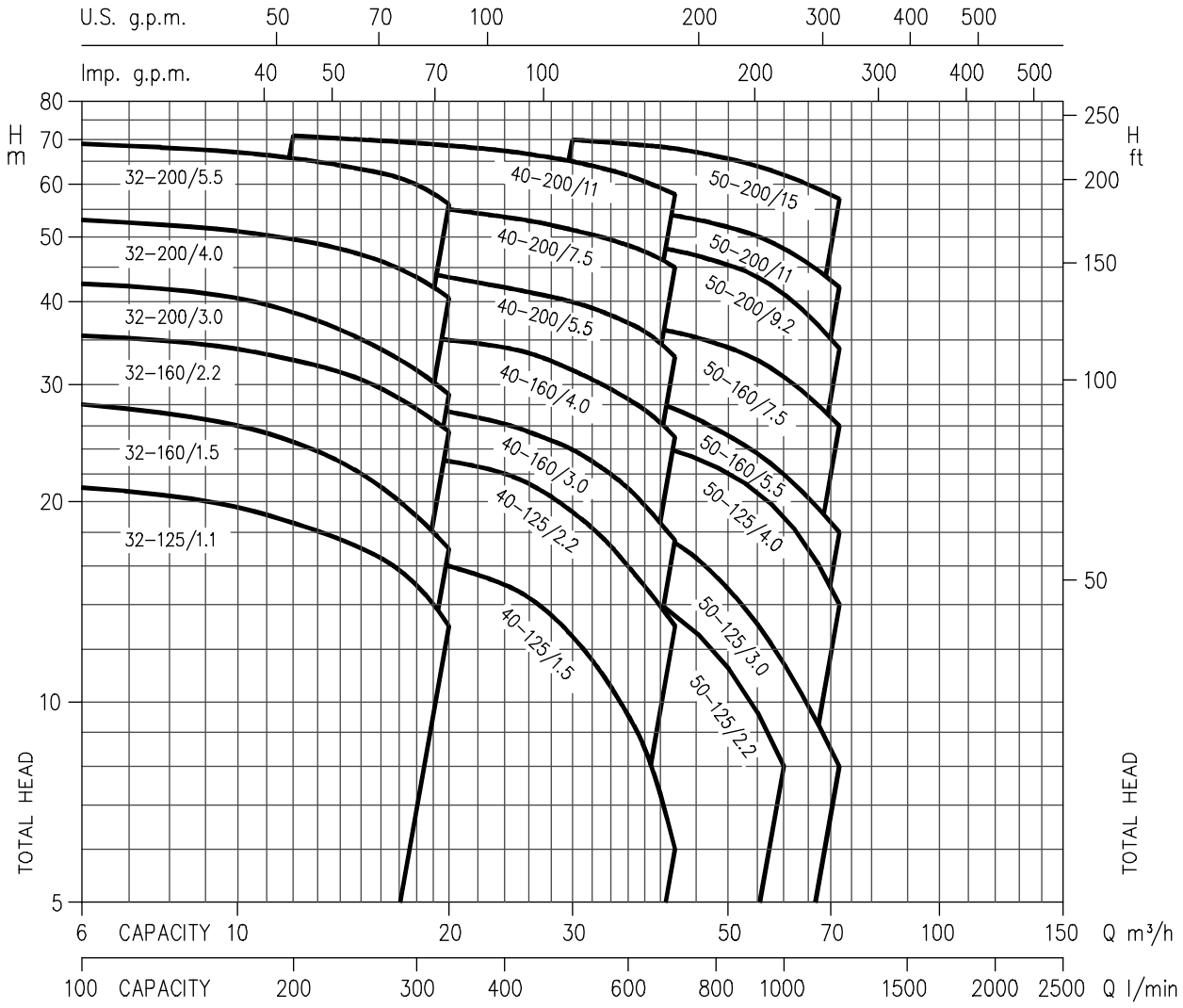
| PUMP | | | |
|---|---|---|---|
| Liquid Handled | Type of liquid | | Clean water |
| | Temperature | [°C] | min. -10<br>max. +110 |
| Maximum working pressure | | [MPa] | 1 |
| Construction | Impeller | | Closed centrifugal type<br>Reinforced laser welding for types 40-200/11, 50-200/15 |
| | Shaft seal type | | Mechanical seal with stationary ring secured against rotation |
| | Bearing | | Sealed ball bearing with permanent grease |
| Pipe Connection | Suction-Flange | | Flange to DIN 2532 (50mm - 65mm) |
| | Discharge-Flange | | Flange to DIN 2532 (32mm - 40mm - 50mm) |
| Material | Casing | | AISI 316L |
| | Impeller | | AISI 316L |
| | Casing cover | | AISI 316L |
| | Mechanical seal | | SiC/SiC/FPM |
| | Shaft | | AISI 316L (Part in contact with liquid) |
| | Bracket | | Cast iron |
| | Drain plug | | AISI 316 |
| | Key | | AISI 316 |
| Applicable standard of test | | | ISO 9906 - Annex A |

| MOTOR | | |
|---|---|---|
| Type | | Electric - TEFC |
| | | Three Phase |
| No. of Poles | | 2 |
| Rotation speed | [$min^{-1}$] | ≈2800 |
| Insulation Class | | F |
| Protection degree | | IP 55 |
| Power rating | [kW] | 1.5 ÷ 15 |
| | [HP] | 1.5 ÷ 20 |
| Frequency | [Hz] | 50 |
| Voltage | [V] | 230/400 ±10% (4 kW and below)<br>400/690 ±10% (5.5 kW and above) |
| Over load protection | | Provided by the user |
| Casing material | | Aluminium |
| Dimensions of cable entry | | PG 13.5 - PG 16 - PG 21 - PG 29<br>(see dimensions page 406) |
| Mounting arrangements (IEC motor) | | IM B3 |

## SELECTION CHART

50 Hz

Rev D




For pump 50-125/2,2 only 3M-3LM version

## SELECTION CHART

50 Hz

Rev D

| Pump type | kW | HP | l/min 100 | 150 | 200 | 250 | 300 | 333 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 800 | 1000 | 1200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | m³/h 6 | 9 | 12 | 15 | 18 | 20 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 48 | 60 | 72 |
| 32-125/1.1 | 1.1 | 1.5 | 21 | 20 | 18.5 | 17 | 15 | 13 | - | - | - | - | - | - | - | - | - | - |
| 32-160/1.5 | 1.5 | 2 | 28 | 26.5 | 24.5 | 22 | 19 | 17 | - | - | - | - | - | - | - | - | - | - |
| 32-160/2.2 | 2.2 | 3 | 35.5 | 34.5 | 32.5 | 30.5 | 27.5 | 25.5 | - | - | - | - | - | - | - | - | - | - |
| 32-200/3.0 | 3 | 4 | 42.5 | 41 | 38.5 | 35 | 31.5 | 29 | - | - | - | - | - | - | - | - | - | - |
| 32-200/4.0 | 4 | 5.5 | 53 | 51.5 | 49.5 | 47 | 43.5 | 40.5 | - | - | - | - | - | - | - | - | - | - |
| 32-200/5.5 | 5.5 | 7.5 | 69 | 67.6 | 65.5 | 63 | 60 | 56 | - | - | - | - | - | - | - | - | - | - |
| 40-125/1.5 | 1.5 | 2 | - | - | 18 | 17.5 | 17 | 16 | 15 | 14 | 12.5 | 11 | 9.5 | 8 | 6 | - | - | - |
| 40-125/2.2 | 2.2 | 3 | - | - | 26 | 25 | 24.2 | 23 | 22 | 21 | 19 | 17.5 | 16 | 14.3 | 13 | - | - | - |
| 40-160/3.0 | 3 | 4 | - | - | 30 | 29 | 28.5 | 27.3 | 26.2 | 25.4 | 24 | 22.5 | 21 | 19.2 | 17.5 | - | - | - |
| 40-160/4.0 | 4 | 5.5 | - | - | 38 | 37 | 36 | 35 | 34 | 33 | 31.3 | 30 | 28.5 | 27 | 25 | - | - | - |
| 40-200/5.5 | 5.5 | 7.5 | - | - | 46 | 45 | 44 | 43.5 | 42 | 41 | 40 | 38.5 | 37 | 35.1 | 33 | - | - | - |
| 40-200/7.5 | 7.5 | 10 | - | - | 56.5 | 56 | 55.3 | 55 | 53.5 | 52.5 | 51.2 | 49.8 | 48.5 | 47 | 45 | - | - | - |
| 40-200/11 | 11 | 15 | - | - | 71 | 70 | 69.3 | 68.8 | 67.5 | 66.2 | 65 | 63.5 | 62 | 60 | 58 | - | - | - |
| 50-125/2.2 | 2.2 | 3 | - | - | - | - | - | - | 17 | 16.6 | 16.1 | 15.5 | 14.9 | 14.2 | 13.4 | 11.8 | 8 | - |
| 50-125/3.0 | 3 | 4 | - | - | - | - | - | - | 20.5 | 20 | 19.5 | 19 | 18.5 | 18 | 17.3 | 15.5 | 12.3 | 8 |
| 50-125/4.0 | 4 | 5.5 | - | - | - | - | - | - | 26 | 25.9 | 25.7 | 25.3 | 24.7 | 24.2 | 23.3 | 22.2 | 19 | 14 |
| 50-160/5.5 | 5.5 | 7.5 | - | - | - | - | - | - | 31 | 30.5 | 30 | 29.5 | 29 | 28 | 27.6 | 26 | 22.5 | 18 |
| 50-160/7.5 | 7.5 | 10 | - | - | - | - | - | - | 39 | 38.5 | 38 | 37.5 | 37 | 36.5 | 36 | 34.5 | 31 | 26 |
| 50-200/9.2 | 9.2 | 12.5 | - | - | - | - | - | - | - | - | 50 | 49.5 | 49 | 48.4 | 47.5 | 46 | 41 | 34 |
| 50-200/11 | 11 | 15 | - | - | - | - | - | - | - | - | 56 | 55.5 | 55 | 54.5 | 53.8 | 52 | 48 | 42 |
| 50-200/15 | 15 | 20 | - | - | - | - | - | - | - | - | 70 | 69.5 | 69 | 68.5 | 68 | 66 | 62 | 57 |

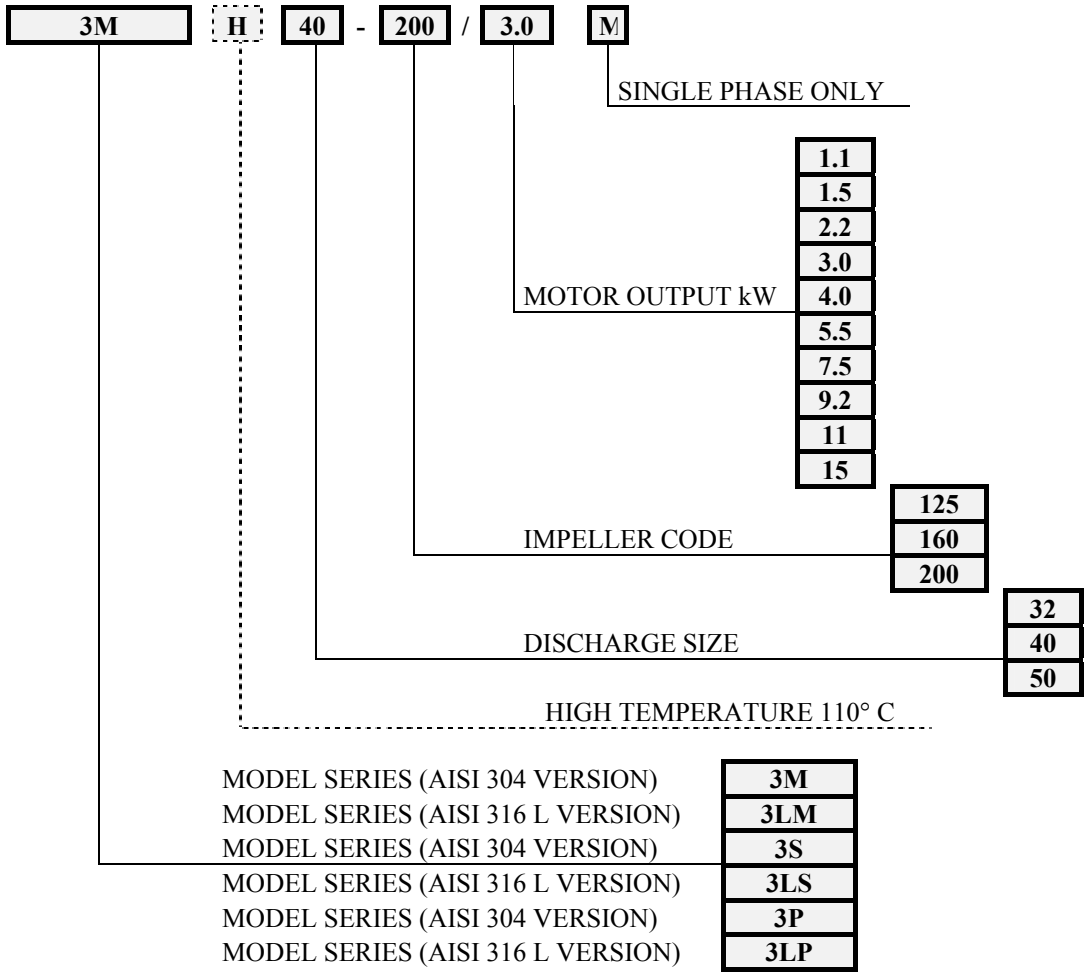
For pump 50-125/2,2 only 3M-3LM version.

## SELECTION CHART

50 Hz

Rev D

**TYPE KEY:**

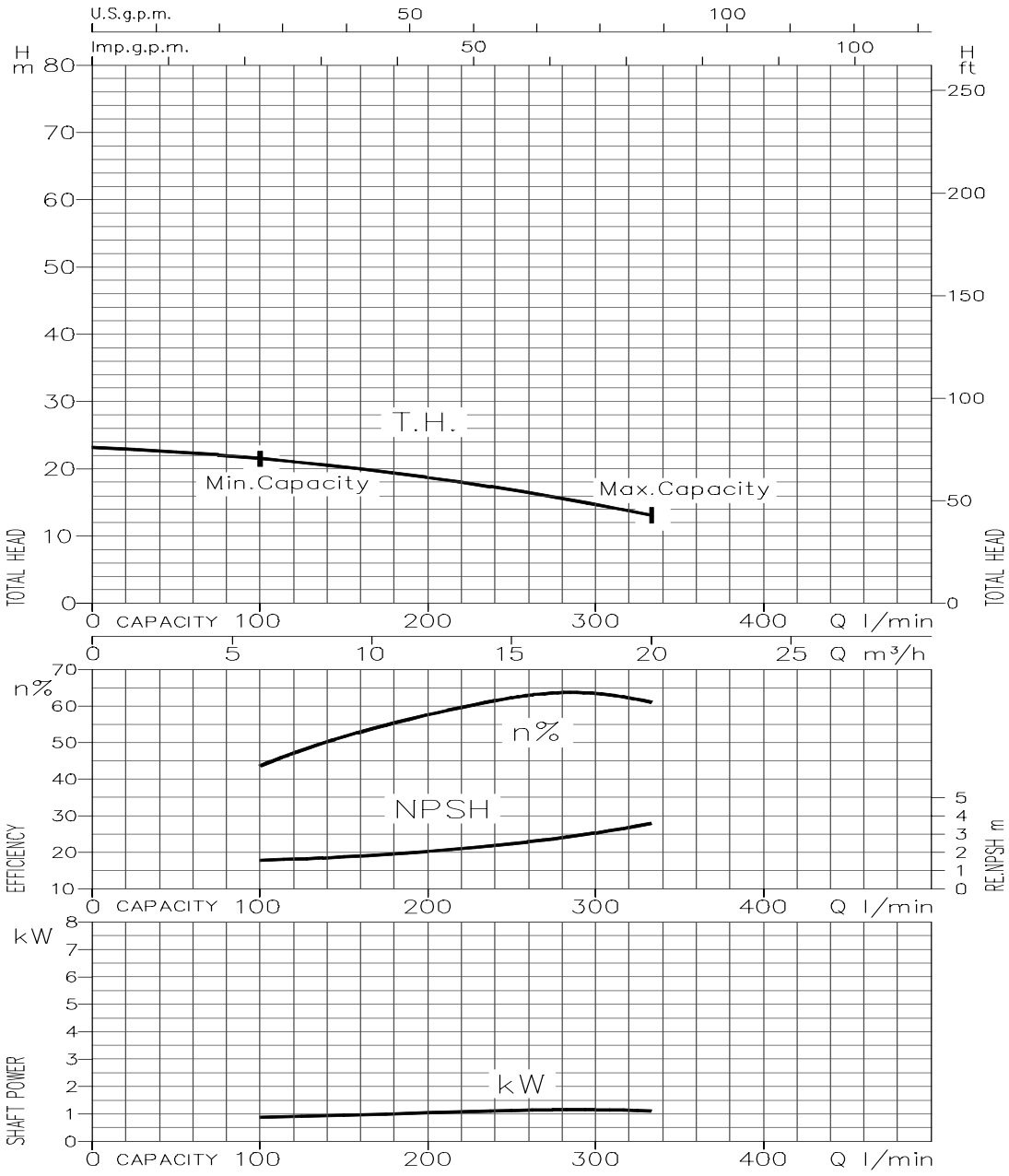


## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**32-125/1.1 (1.1 kW) - Impeller diameter = 133**



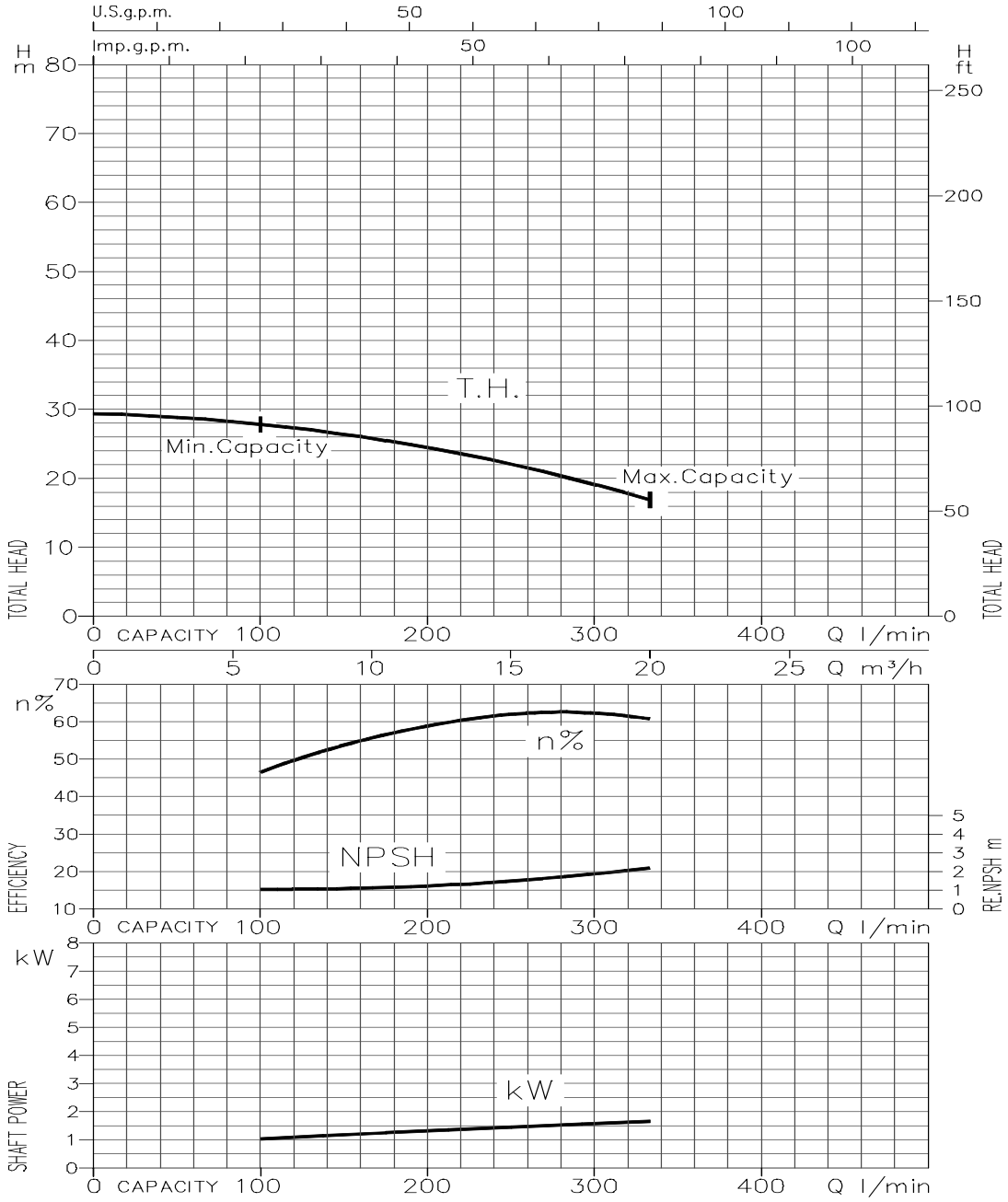

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**32-160/1.5 (1.5 kW) - Impeller diameter = 151**



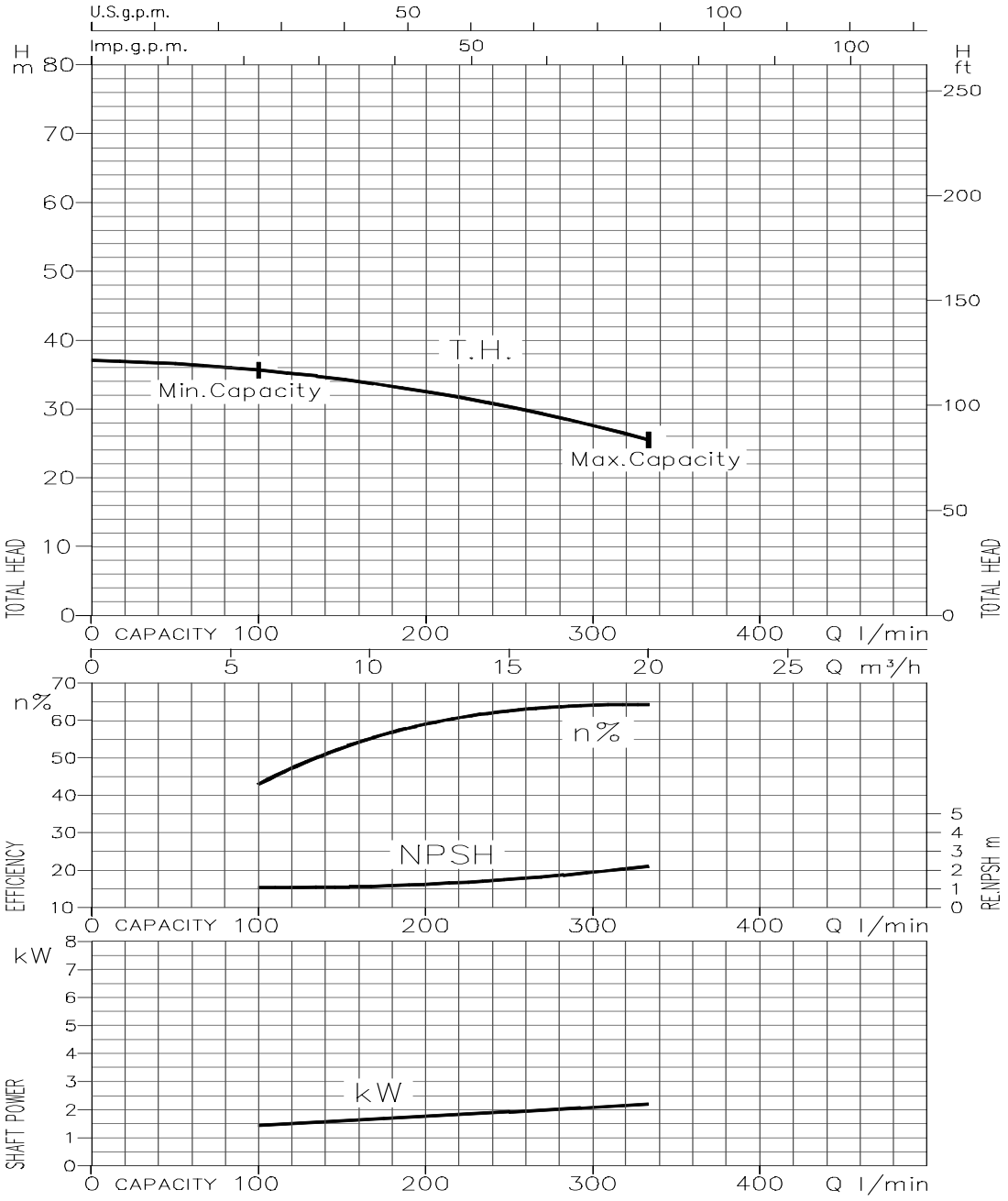

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**32-160/2.2 (2.2 kW) - Impeller diameter = 166**



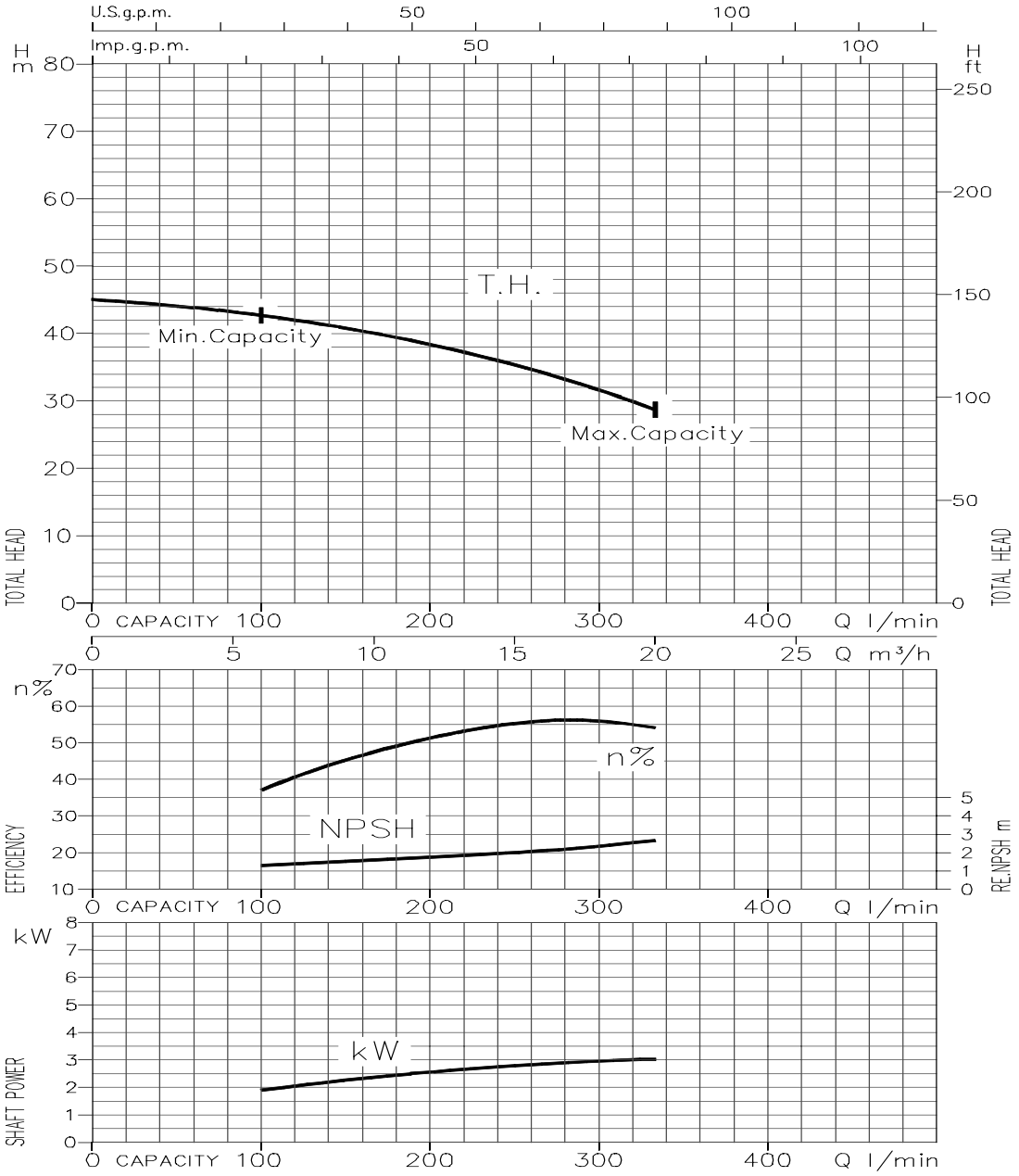

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**32-200/3.0 (3 kW) - Impeller diameter = 186**



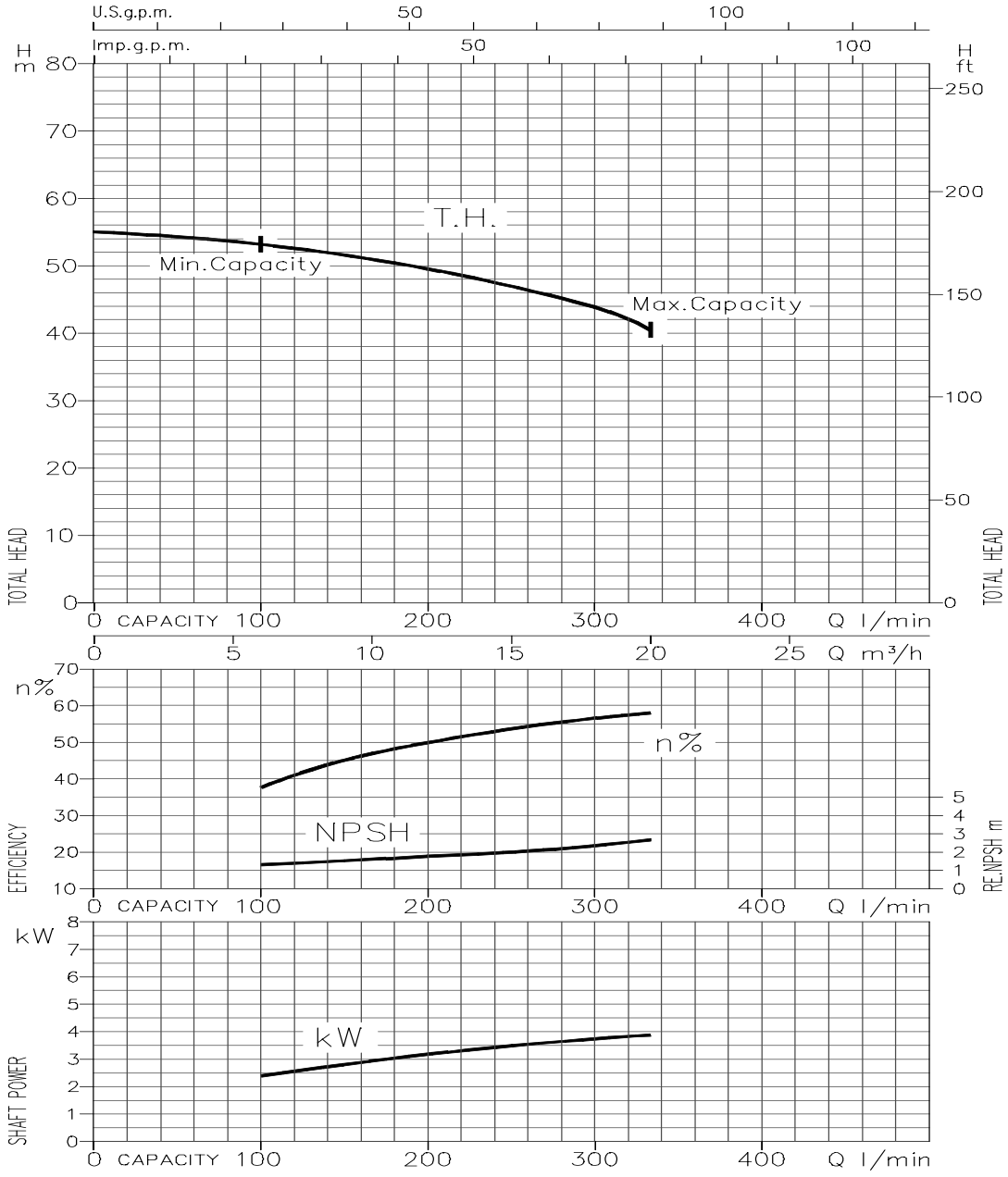

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**32-200/4.0 (4 kW) - Impeller diameter = 200**



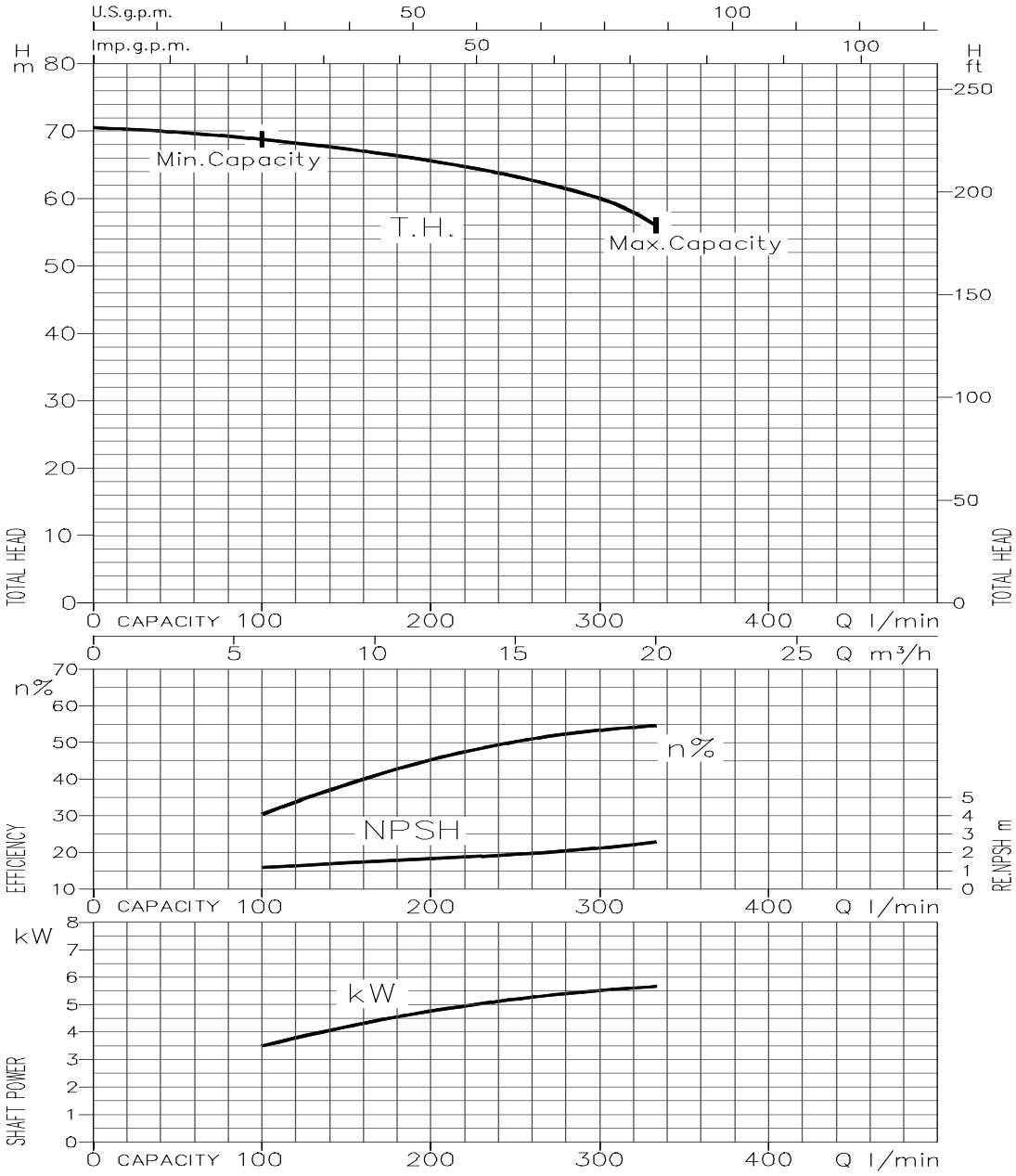

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**32-200/5.5 (5.5 kW) - Impeller diameter = 224**



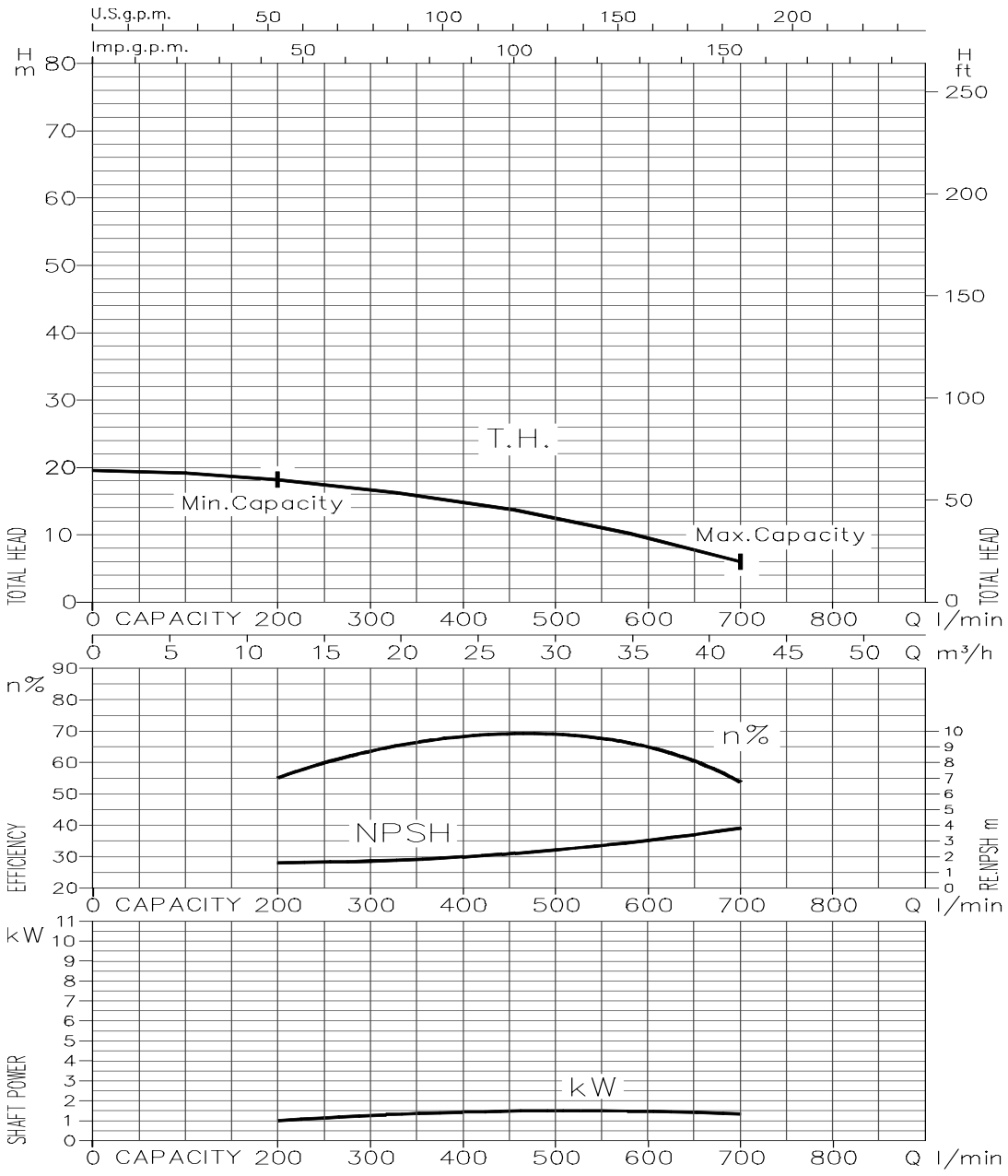

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-125/1.5 (1.5 kW) - Impeller diameter = 125**



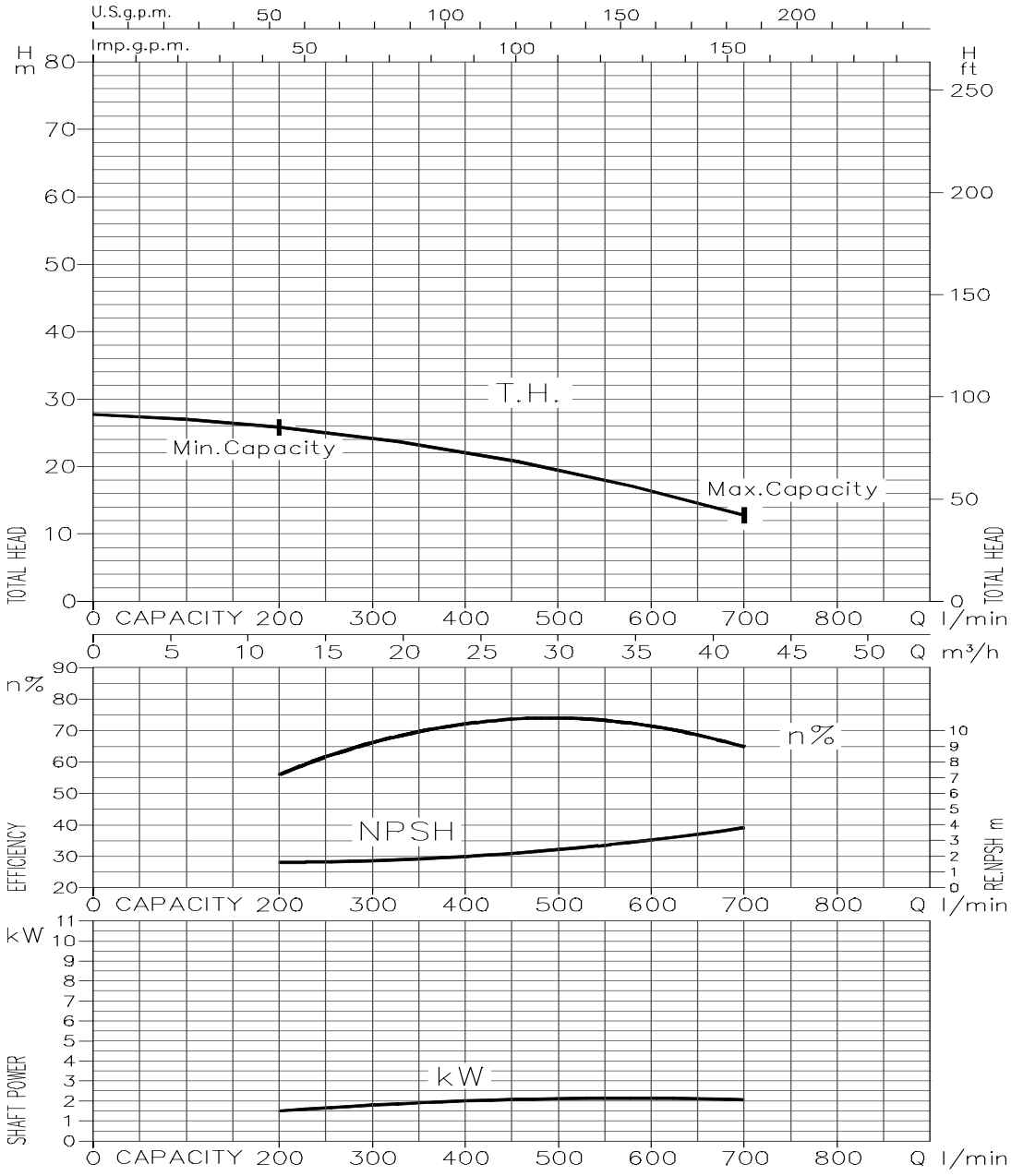

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-125/2.2 (2.2 kW) - Impeller diameter = 140**



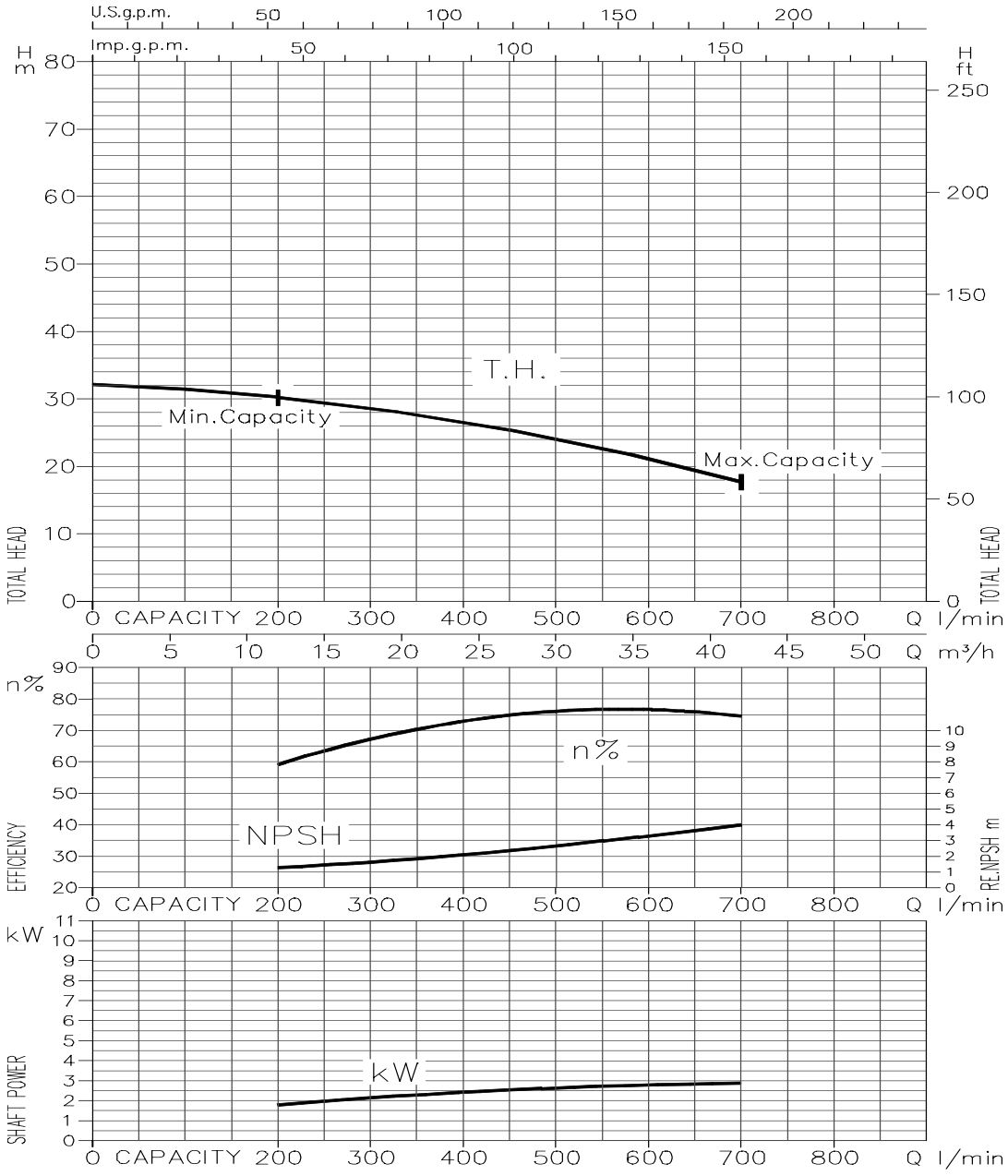

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-160/3.0 (3 kW) - Impeller diameter = 151**



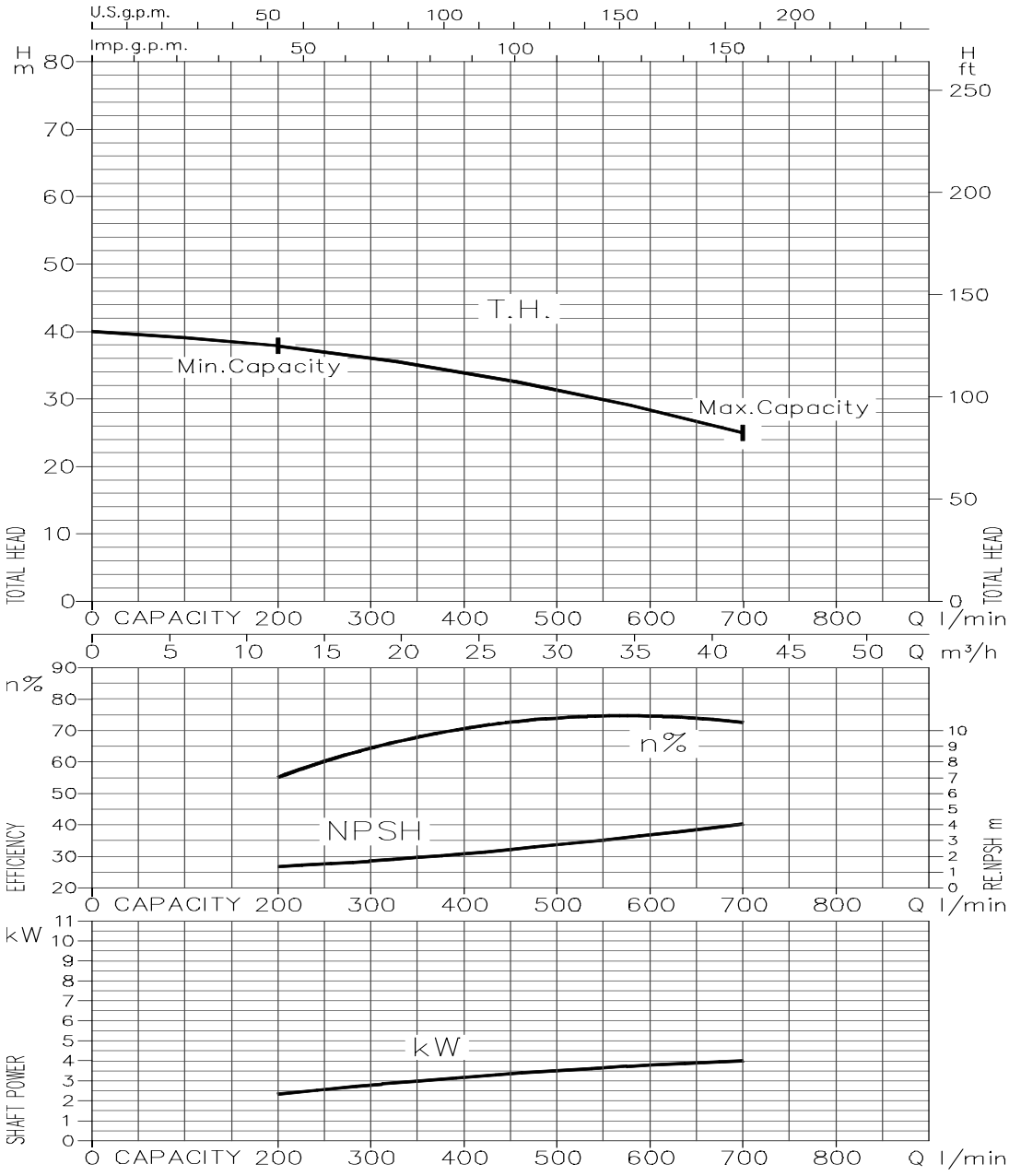

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-160/4.0 (4 kW) - Impeller diameter = 166**



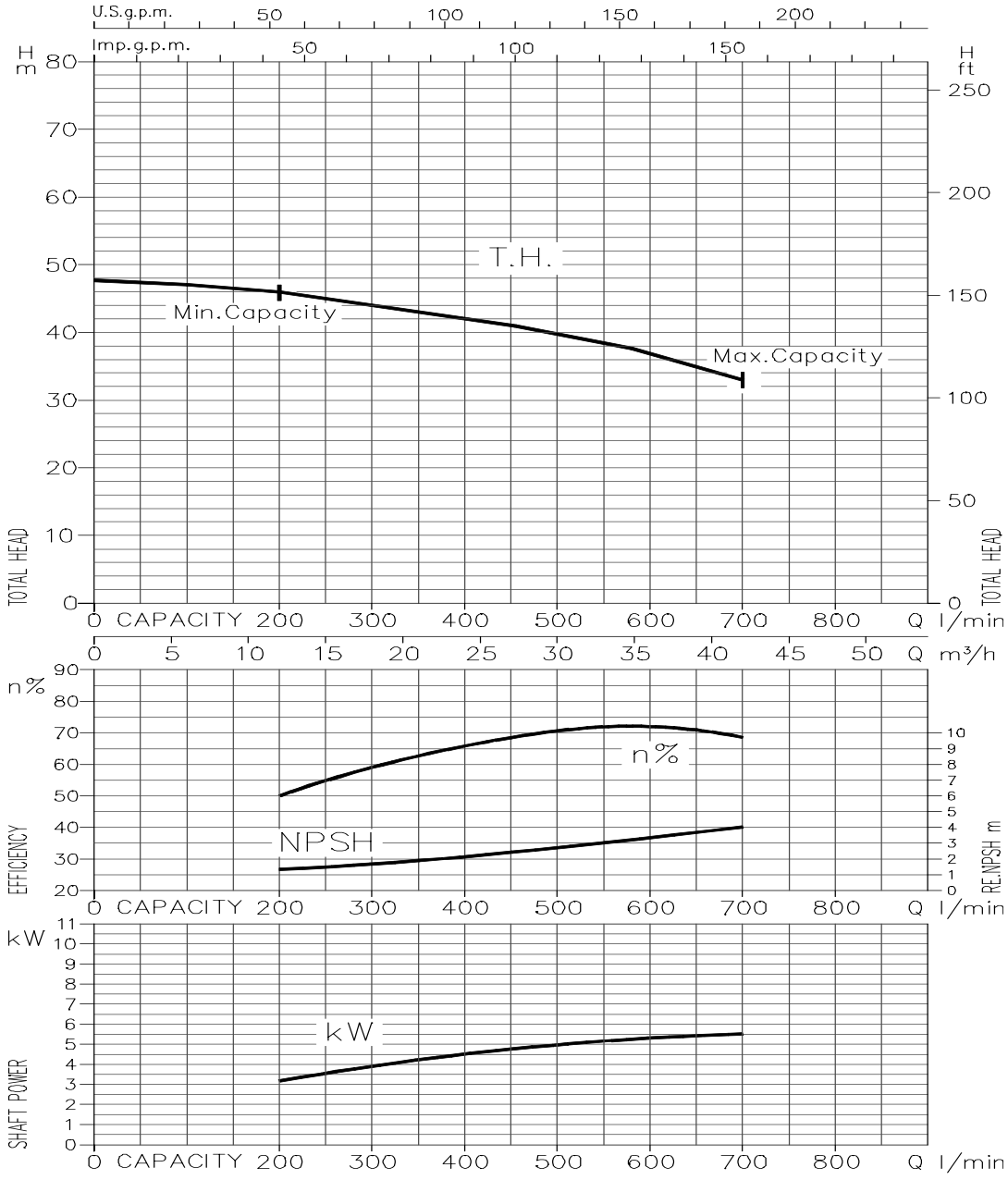

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-200/5.5 (5.5 kW) - Impeller diameter = 183**



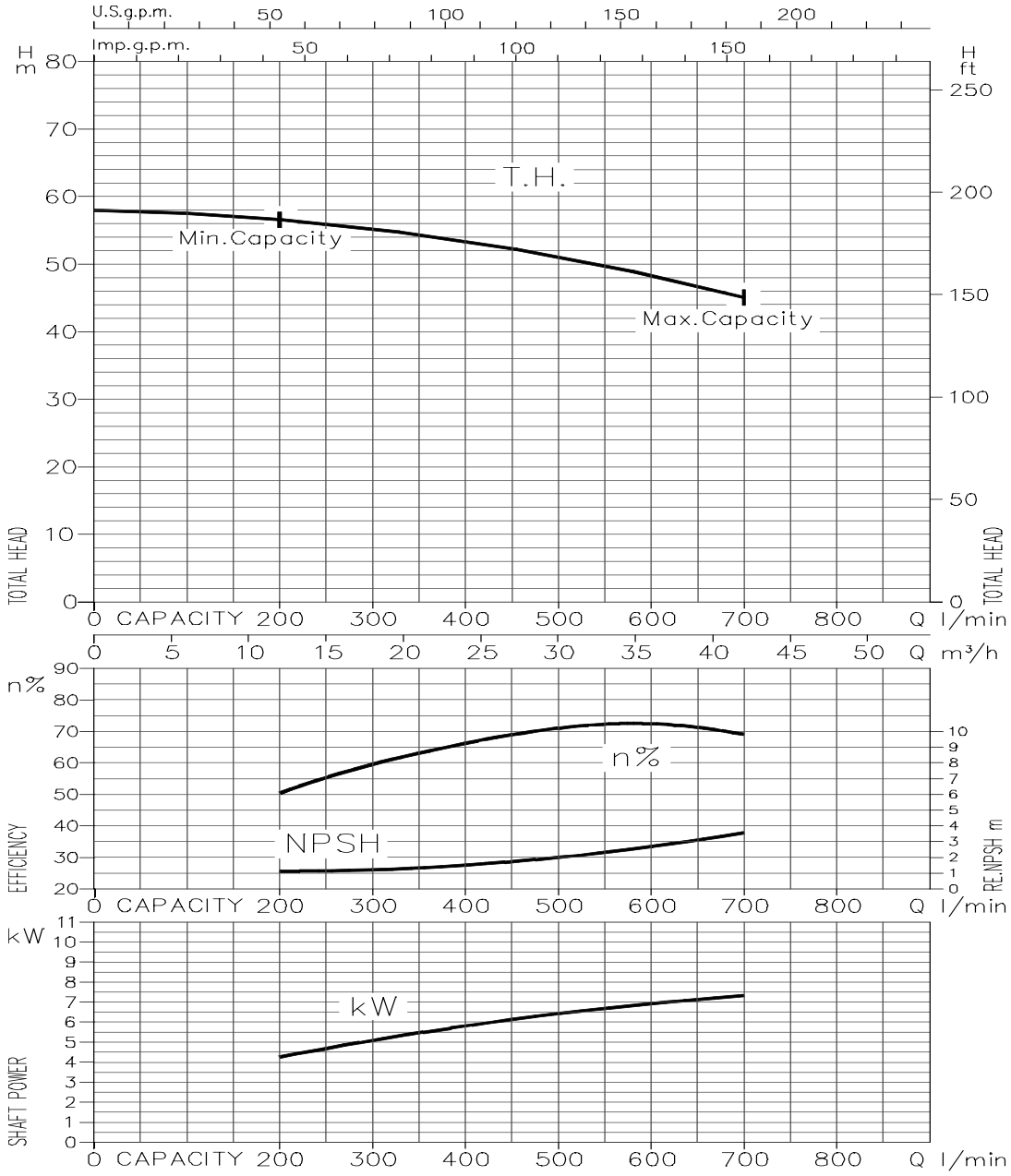

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-200/7.5 (7.5 kW) - Impeller diameter = 200**



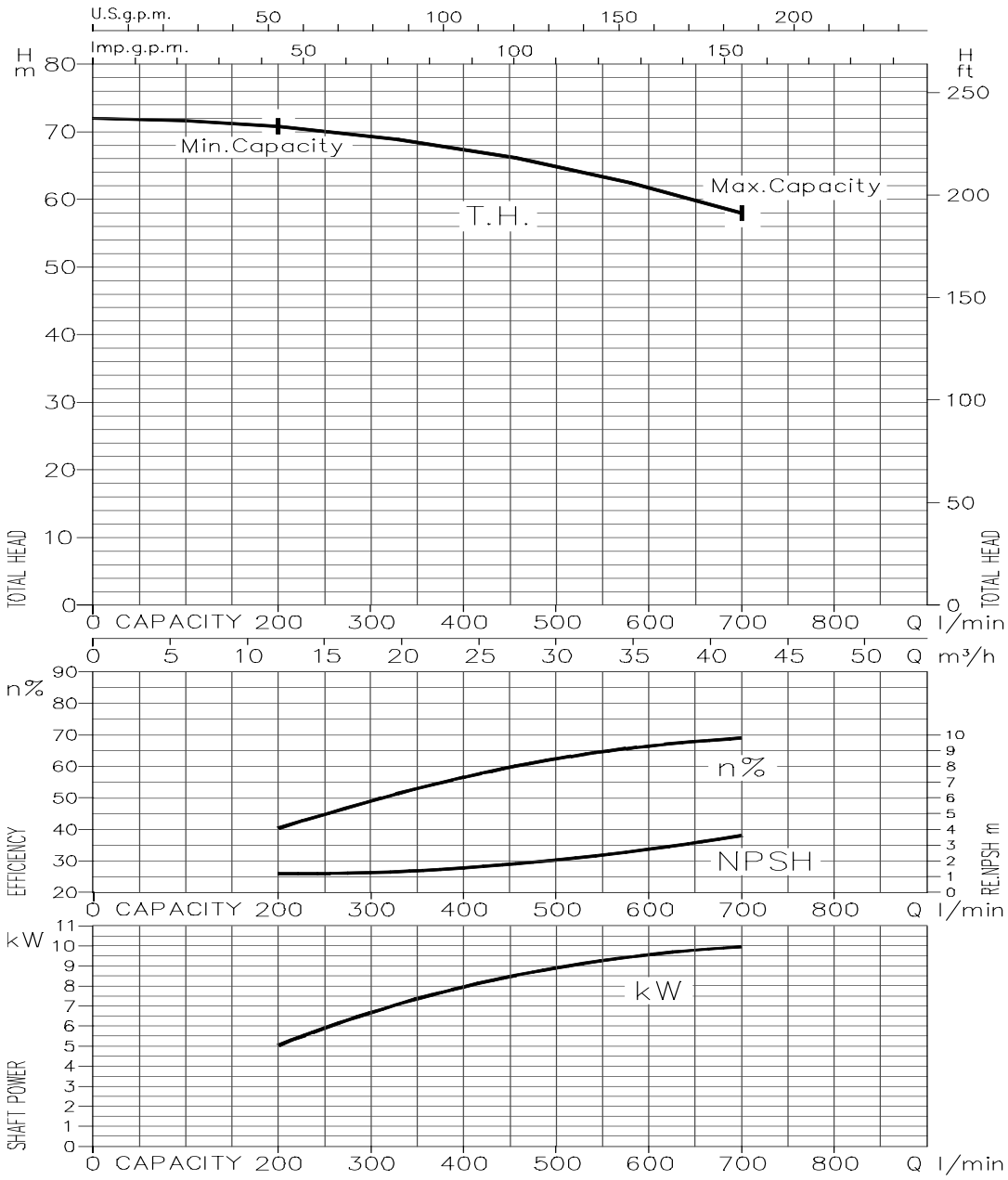

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**40-200/11 (11 kW) - Impeller diameter = 224**



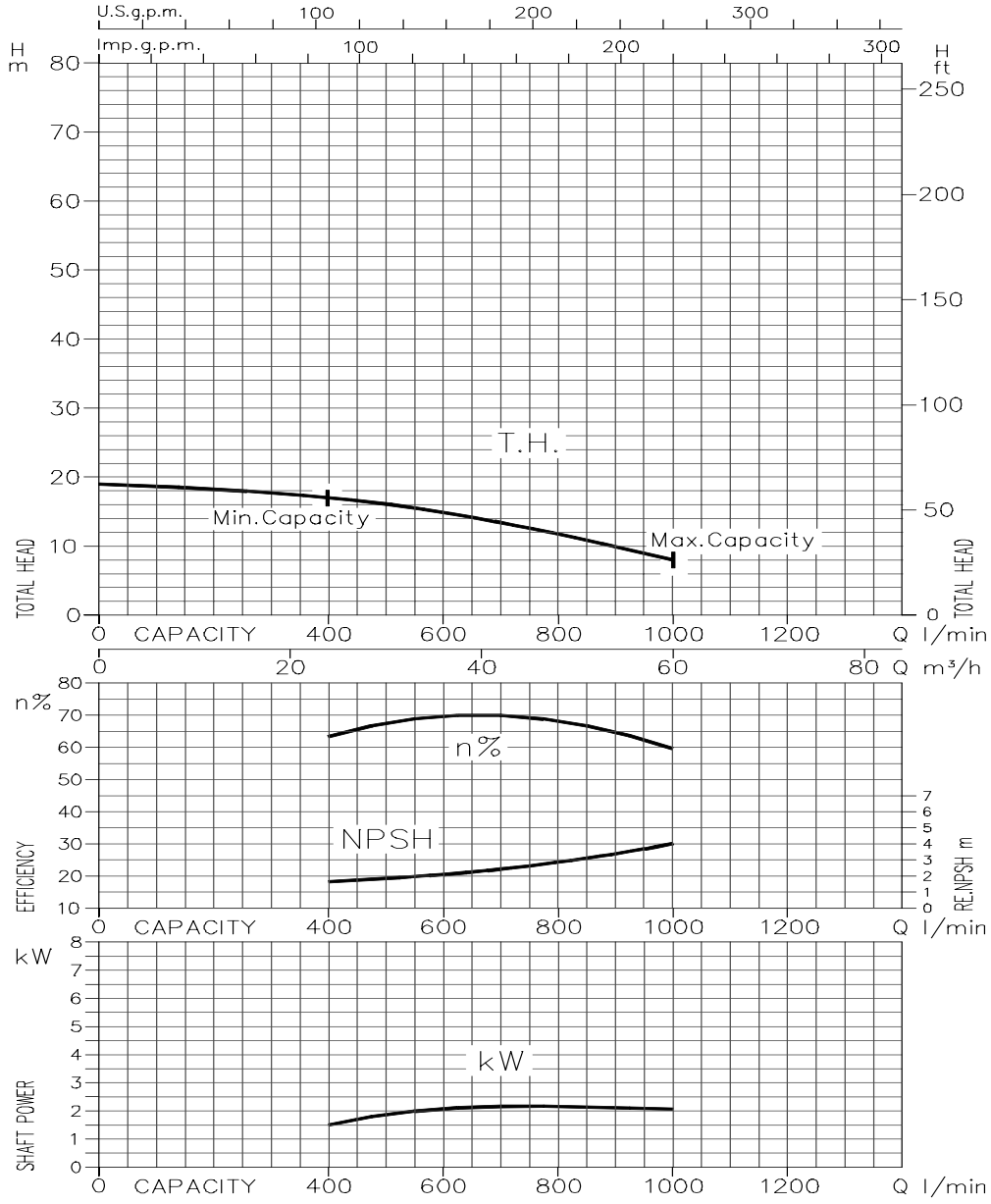

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

# PERFORMANCE CURVES 3M-3LM

2 Poles 50 Hz

Rev D

**50-125/2.2 (2.2 kW) - Impeller diameter = 126**




Only 3M-3LM version

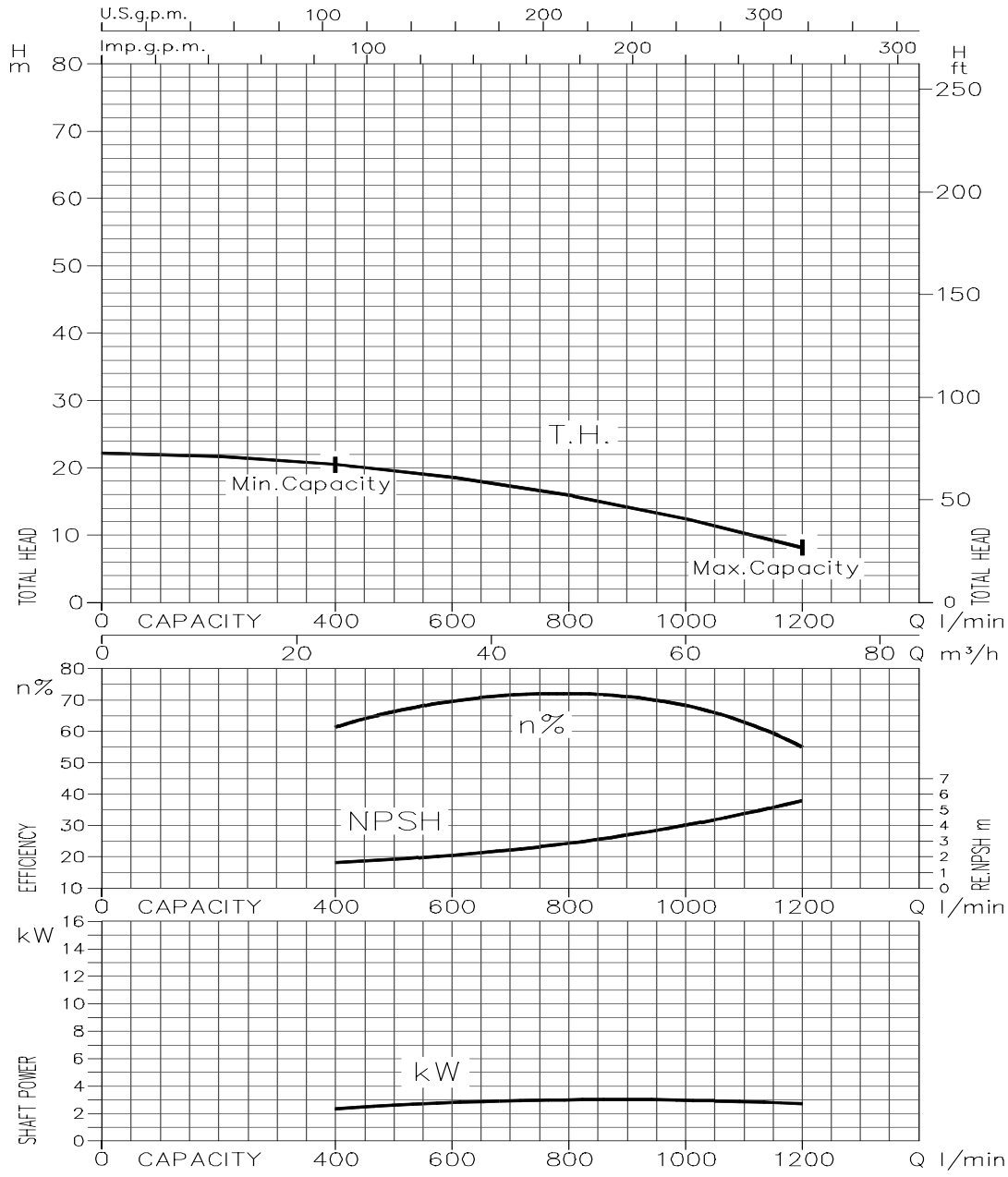
Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**50-125/3.0 (3 kW) - Impeller diameter = 131**



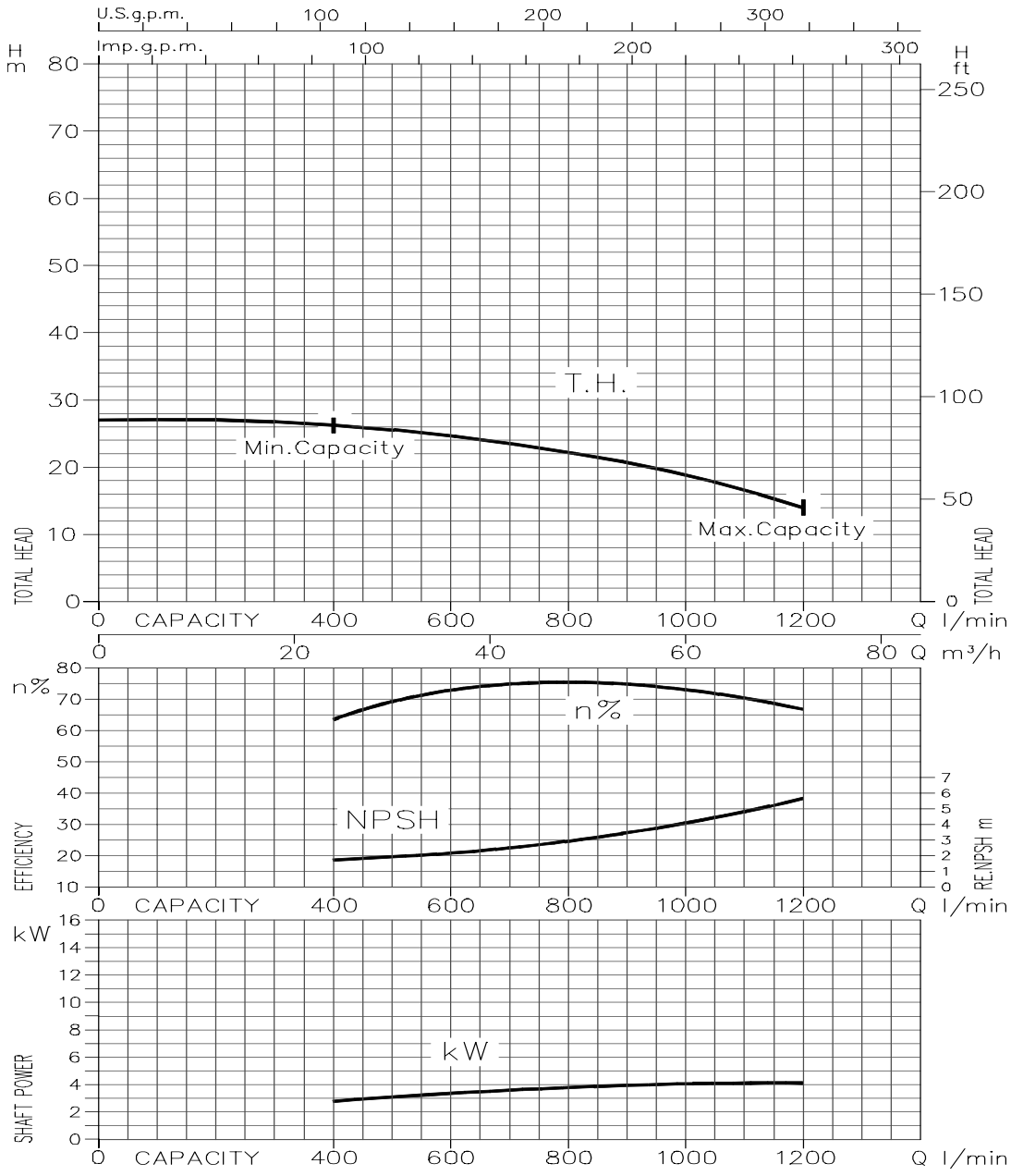

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**50-125/4.0 (4 kW) - Impeller diameter = 140**



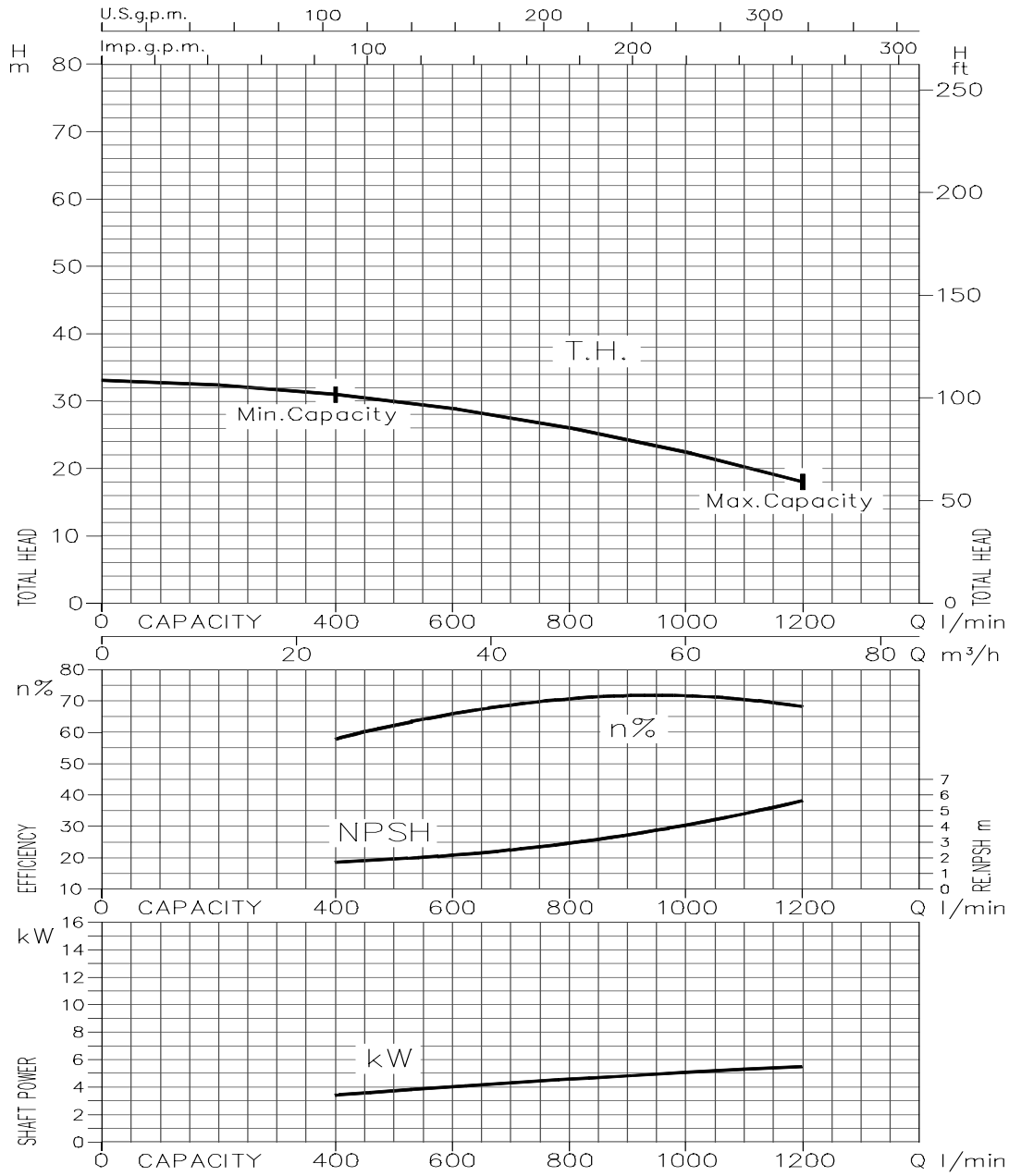

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**50-160/5.5 (5.5 kW) - Impeller diameter = 154**



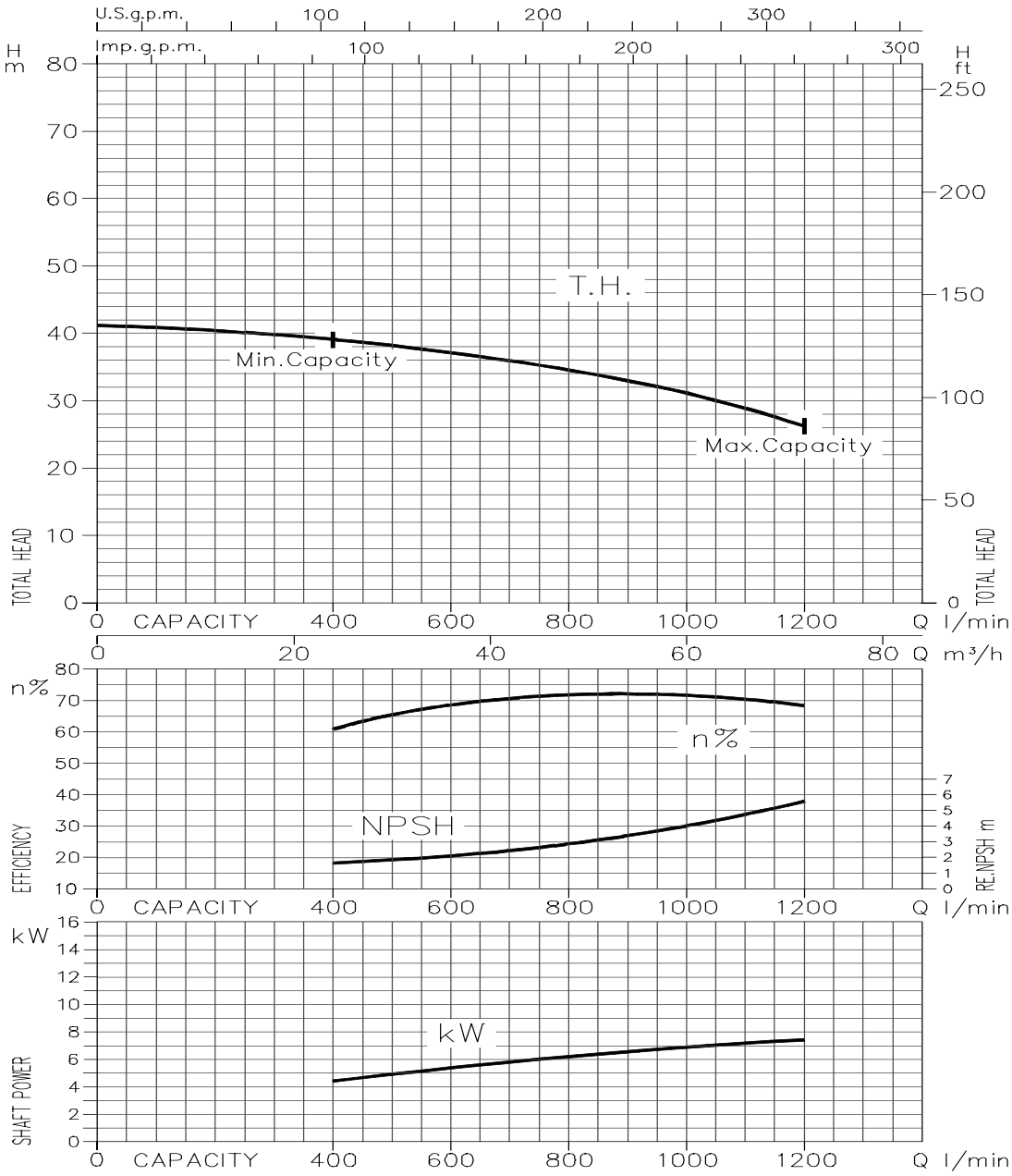

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**50-160/7.5 (7.5 kW) - Impeller diameter = 166**



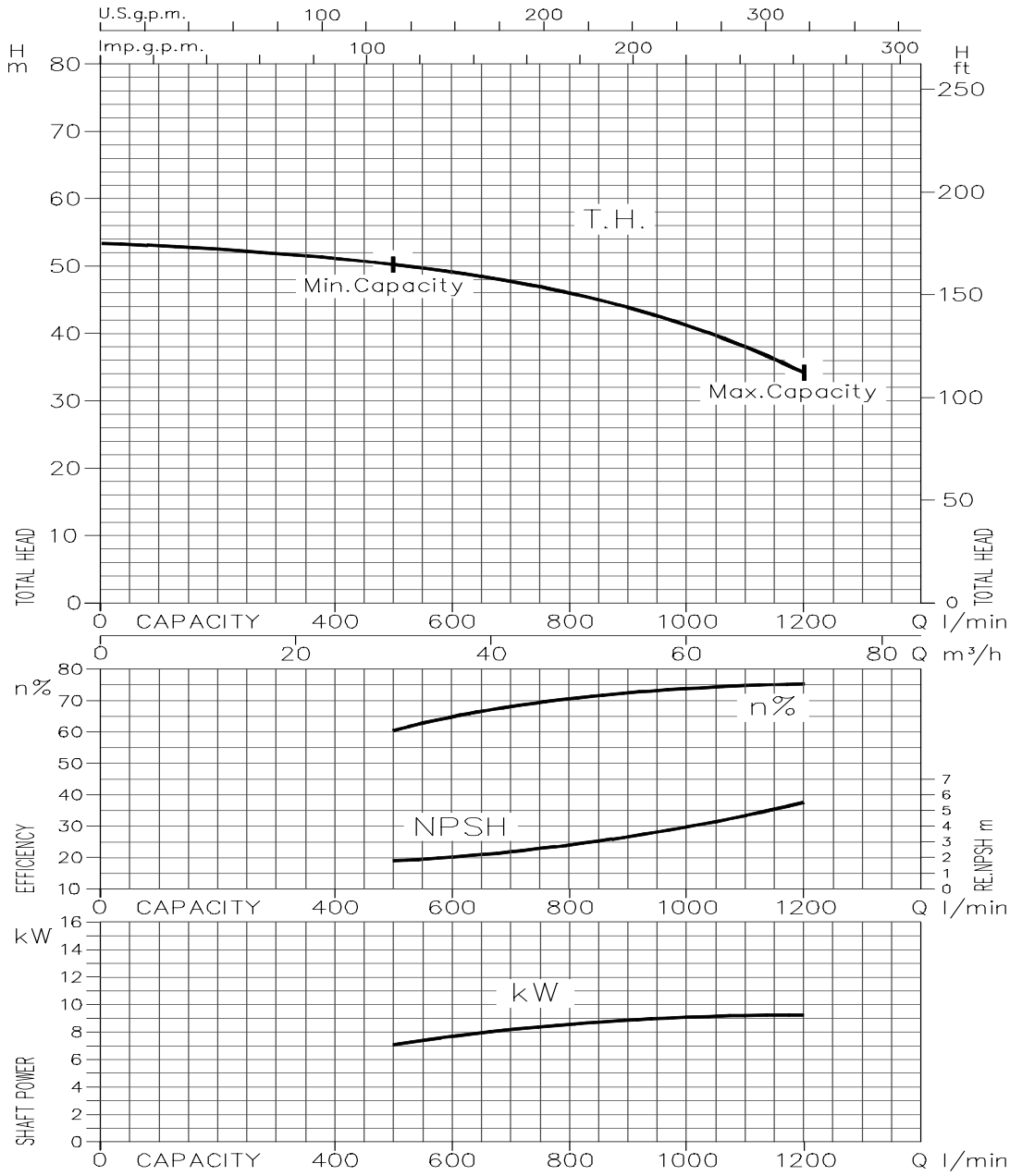

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**50-200/9.2 (9.2 kW) - Impeller diameter = 191**



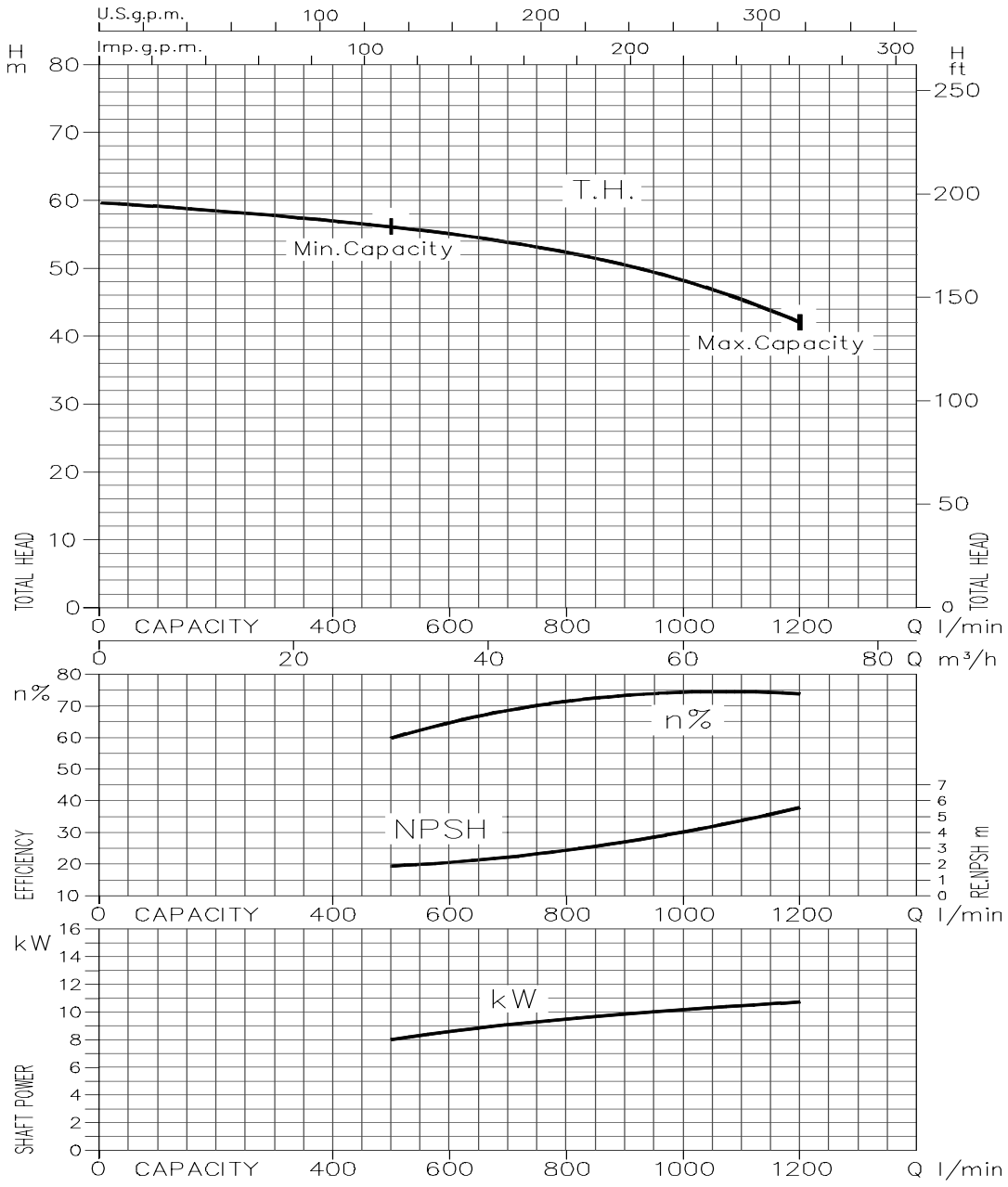

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Poles 50 Hz

Rev D

**50-200/11 (11 kW) - Impeller diameter = 200**



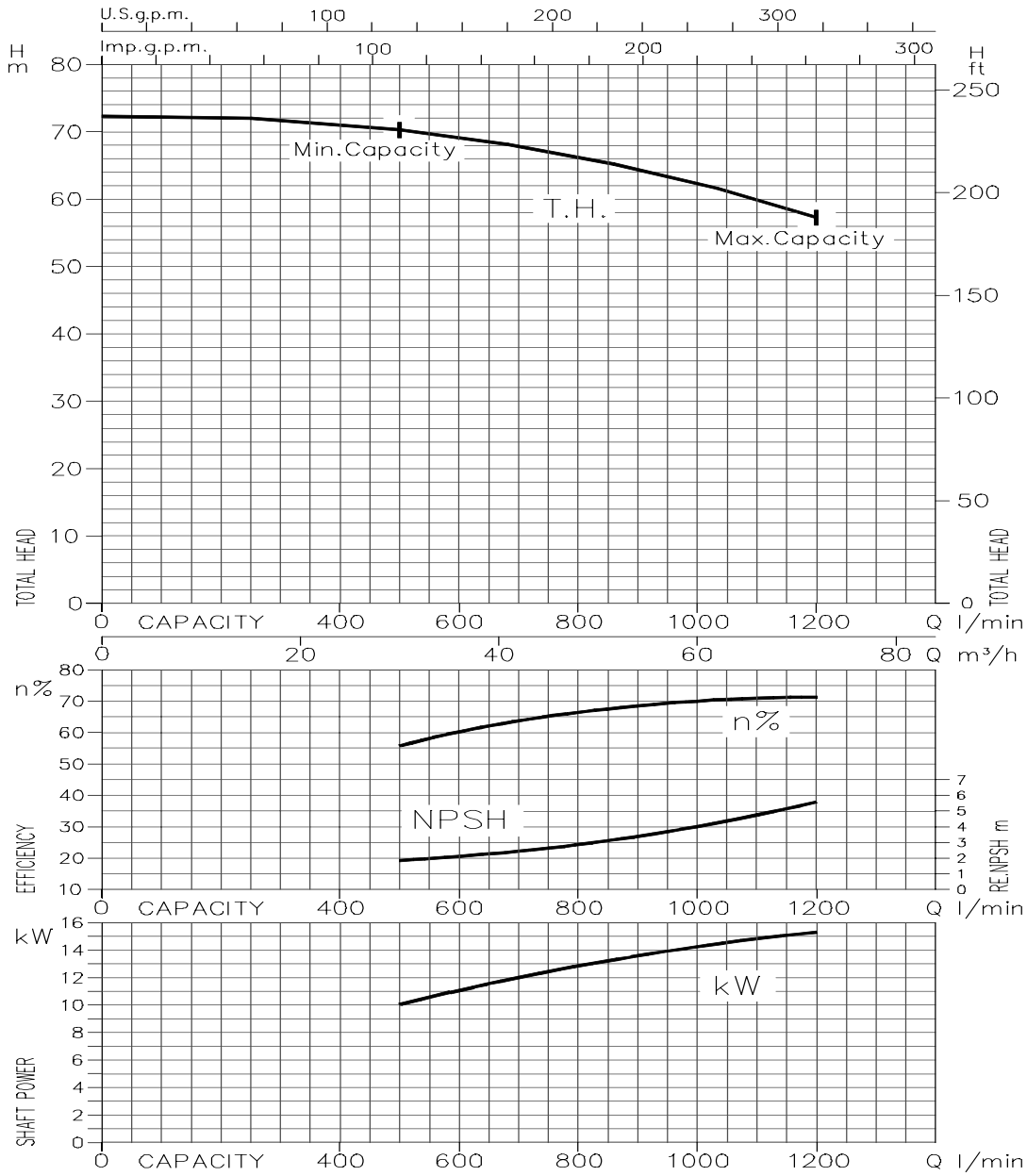

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

## PERFORMANCE CURVES

2 Pols 50 Hz

Rev D

**50-200/15 (15 kW) - Impeller diameter = 224**



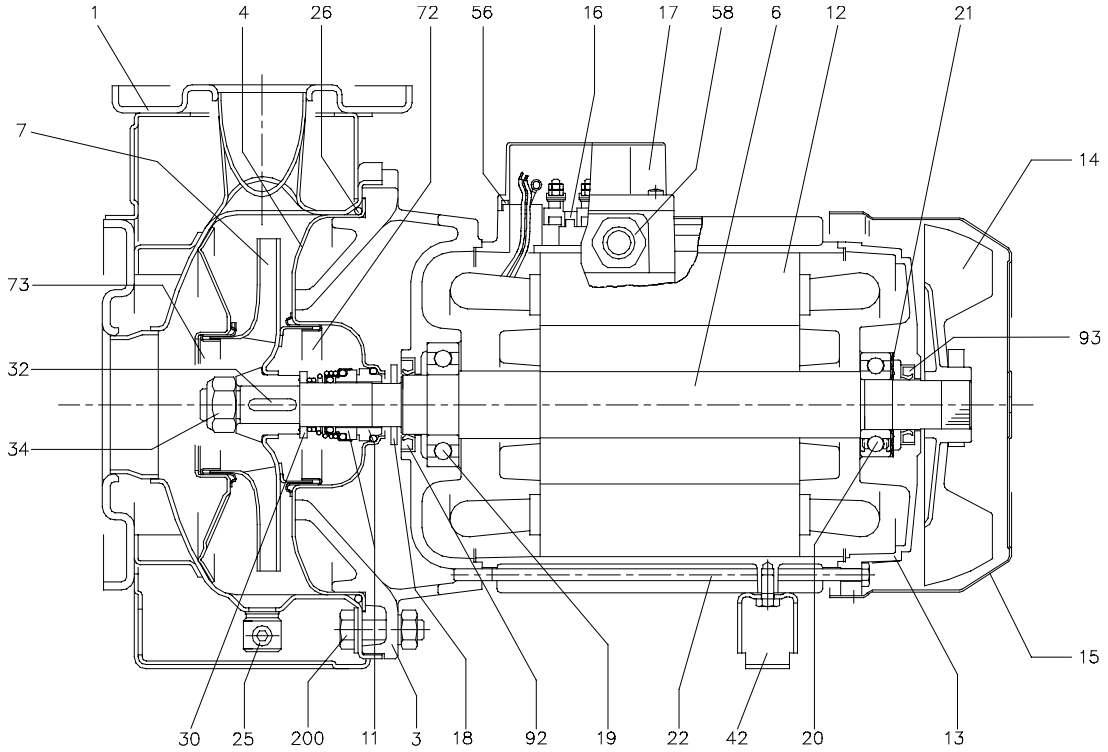

Rotation speed: ≈2800 $min^{-1}$
Test fluid: clean water at 20°C
Applicable standard of test: ISO 9906 - Annex A

# CONSTRUCTIONS 3M-3LM

50 Hz

Rev D

## SECTIONAL VIEW




| N° | PART NAME | MATERIAL 3M | MATERIAL 3LM | Q.TY |
|---|---|---|---|---|
| 1 | Casing | AISI 304 | AISI 316L | 1 |
| 3 | Motor bracket | G20 | | 1 |
| 4 | Casing cover | AISI 304 | AISI 316L | 1 |
| 6 | Shaft with rotor (part in contact with liquid) | AISI 304 | AISI 316L | 1 |
| 7 | Impeller | AISI 304 | AISI 316L | 1 |
| 11 | Mechanical seal [1] - [2] | Carb/Ceram/NBR | SiC/SiC/FPM | 1 |
| 12 | Motor frame with stator | - | | 1 |
| 13 | Motor cover | Aluminium | | 1 |
| 14 | Fan | Polypropilene | | 1 |
| 15 | Fan cover | Fe P04 Zinked | | 1 |
| 16 | Terminal box | - | | 1 |
| 17 | Terminal box cover | Aluminium (three phase version) | | 1 |
| 18 | Splash ring | NBR | - | 1 |
| 19 | Pump side ball bearing | - | | 1 |
| 20 | Fan side ball bearing | - | | 1 |

| N° | PART NAME | MATERIAL 3M | MATERIAL 3LM | Q.TY |
|---|---|---|---|---|
| 21 | Adjusting ring | Steel C70 | | 1 |
| 22 | Tie rod | Fe 42 Zinked | | 4 |
| 25 | Drain plug | AISI 316 | | 1 |
| 26 | O-ring [1] | NBR | FPM | 1 |
| 30 | Mechanical seal spacer | AISI 304 | - | 1 |
| 32 | Key | AISI 304 | AISI 316 | 1 |
| 34 | Impeller nut | AISI 304 | AISI 316L | 1 |
| 42 | Motor support | Aluminium / Carbon steel | | 1 |
| 56 | Box gasket | NBR | | 1 |
| 58 | Cable entry | - | | 1 |
| 72 | Casing ring [3] | AISI 304 | AISI 316L | 1 |
| 73 | Casing ring | AISI 304 | AISI 316L | 1 |
| 92 | Lip seal | - | | 1 |
| 93 | Lip seal | - | | 1 |
| 200 | Screw | Stainless steel A2 UNI7323 | | 8-12 |

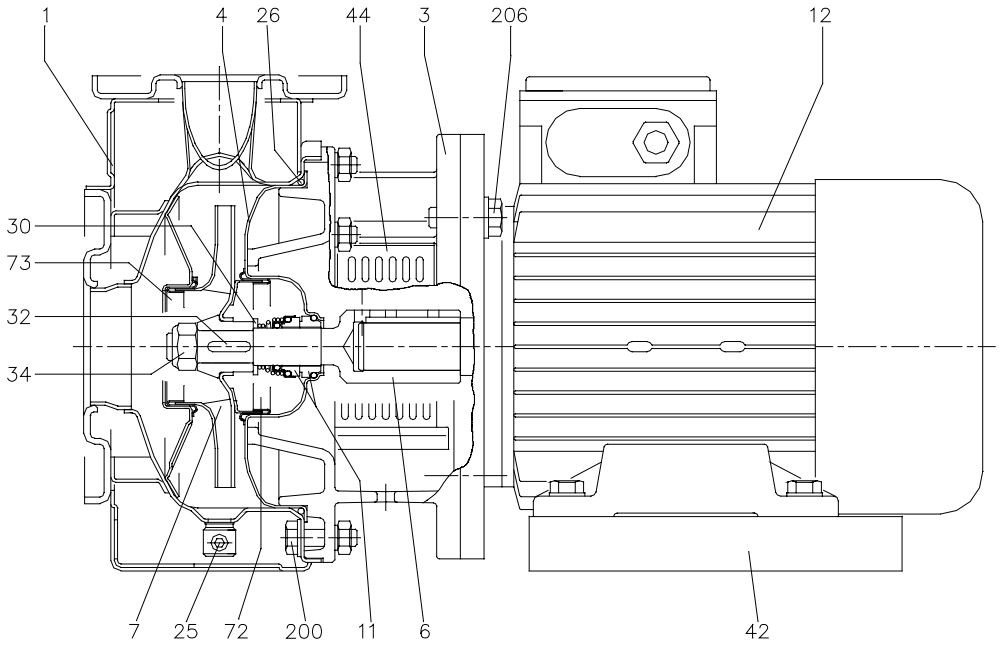
[1] FPM for 3MH-3MHS version
[2] See constructions mechanical seal pages 303,304
[3] For version 32-200/3.0 - 32-200/4.0 - 32-200/5.5 - 40-200/5.5 - 40-200/7.5 - 40-200/11
50-160/5.5 - 50-160/7.5 - 50-200/9.2 - 50-200/11 - 50-200/15

# CONSTRUCTIONS 3S-3LS

50 Hz

Rev D

## SECTIONAL VIEW




| N° | PART NAME | MATERIAL | | Q.TY | N° | PART NAME | MATERIAL | | Q.TY |
|---|---|---|---|---|---|---|---|---|---|
| | | 3S | 3LS | | | | 3S | 3LS | |
| 1 | Casing | AISI 304 | AISI 316L | 1 | 30 | Mechanical seal spacer | AISI 304 | - | 1 |
| 3 | Motor bracket | G20 | | 1 | 32 | Key | AISI 304 | AISI 316 | 1 |
| 4 | Casing cover | AISI 304 | AISI 316L | 1 | 34 | Impeller nut | AISI 304 | AISI 316L | 1 |
| 6 | Extensions shaft (Part in contact with liquid) | AISI 304 | AISI 316L | 1 | 42 | Motor support [4] | Aluminium | | 1 |
| | | | | | 44 | Protection | AISI 304 | | 1 |
| 7 | Impeller | AISI 304 | AISI 316L | 1 | 72 | Casing ring [3] | AISI 304 | AISI 316L | 1 |
| 11 | Mechanical seal [1] - [2] | Carb/Ceram/NBR | SiC/SiC/FPM | 1 | 73 | Casing ring | AISI 304 | AISI 316L | 1 |
| 12 | Motor | - | | 1 | 200 | Screw | Stainless steel A2 UNI7323 | | 8-12 |
| 25 | Drain plug | AISI 316 | | 1 | 206 | Flange screw | Zinc steel UNI 5739 | | 4 |
| 26 | O-ring [1] | NBR | FPM | 1 | | | | | |

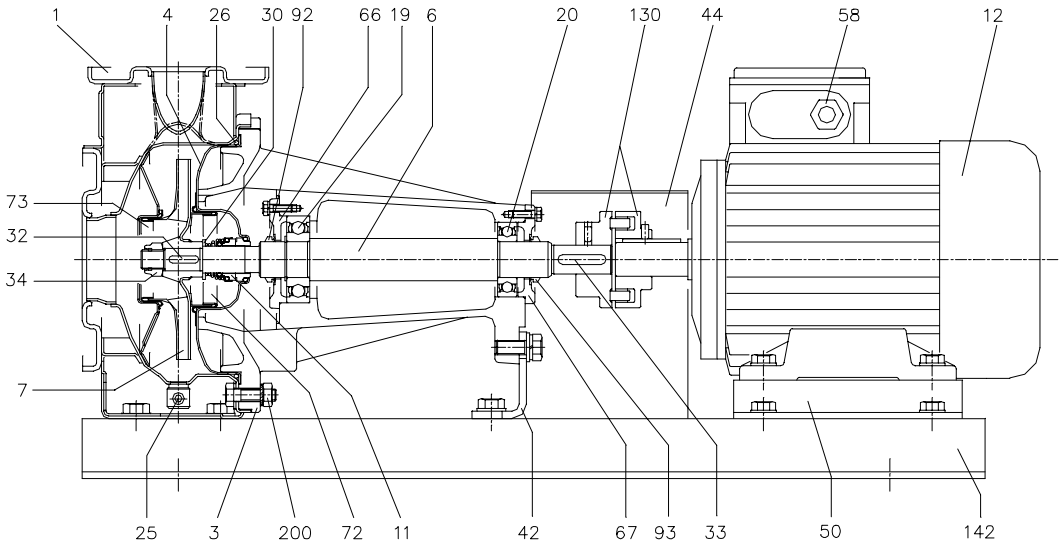
[1] FPM for 3SH-3SHS version
[2] See constructions mechanical seal pages 303,304
[3] For version 32-200/3.0 - 32-200/4.0 - 32-200/5.5 - 40-200/5.5 - 40-200/7.5 - 40-200/11
50-160/5.5 - 50-160/7.5 - 50-200/9.2 - 50-200/11 - 50-200/15
[4] For version 32-125/1.1 - 32-160/1.5 - 32-160/2.2 - 40-125/1.5 - 40-125/2.2 bend plane as support

# CONSTRUCTIONS 3P-3LP

50 Hz

Rev D

## SECTIONAL VIEW




| N° | PART NAME | MATERIAL 3P | MATERIAL 3LP | Q.TY |
|---|---|---|---|---|
| 1 | Casing | AISI 304 | AISI 316L | 1 |
| 3 | Motor bracket | G25 | | 1 |
| 4 | Casing cover | AISI 304 | AISI 316L | 1 |
| 6 | Shaft (Part in contact with liquid) | AISI 304 | AISI 316L | 1 |
| 7 | Impeller | AISI 304 | AISI 316L | 1 |
| 11 | Mechanical seal [1] - [2] | Carb/Ceram/NBR | SiC/SiC/FPM | 1 |
| 12 | Motor frame with stator | - | | 1 |
| 19 | Pump side ball bearing | - | | 1 |
| 20 | Fan side ball bearing | - | | 1 |
| 25 | Drain plug | AISI 316 | | 1 |
| 26 | O-ring [1] | NBR | FPM | 1 |
| 30 | Mechanical seal spacer | AISI 304 | - | 1 |
| 32 | Key | AISI 304 | AISI 316 | 1 |
| 33 | Key | AISI 304 | | 1 |

| N° | PART NAME | MATERIAL 3P | MATERIAL 3LP | Q.TY |
|---|---|---|---|---|
| 34 | Impeller nut | AISI 304 | AISI 316L | 1 |
| 42 | Pump support | Fe 37 | | 1 |
| 44 | Protection | Fe 37 | | 1 |
| 50 | Foot | Fe 37 | | 1 |
| 58 | Cable entry | - | | 1 |
| 66 | Impeller side bearing cover | G25 | | 1 |
| 67 | Extension shaft side bearing cover | G25 | | 1 |
| 72 | Casing ring [3] | AISI 304 | AISI 316L | 1 |
| 73 | Casing ring | AISI 304 | AISI 316L | 1 |
| 92 | Lip seal | - | | 1 |
| 93 | Lip seal | - | | 1 |
| 130 | Flexible coupling | G25 | | 1 |
| 142 | Base | Fe 37 | | 1 |
| 200 | Screw | Stainless steel A2 UNI7323 | | 8-12 |

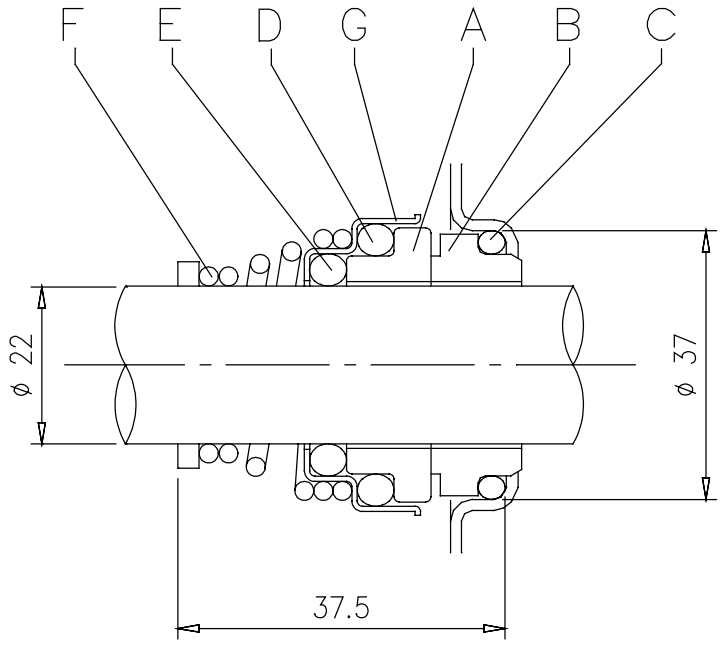
[1] FPM for 3PH-3PHS Version
[2] See constructions mechanical seal pages 303,304
[3] For version 32-200/3.0 - 32-200/4.0 - 32-200/5.5 - 40-200/5.5 - 40-200/7.5 - 40-200/11
50-160/5.5 - 50-160/7.5 - 50-200/9.2 - 50-200/11 - 50-200/15

## CONSTRUCTIONS

50 Hz

Rev D

### MECHANICAL SEAL 3 SERIES



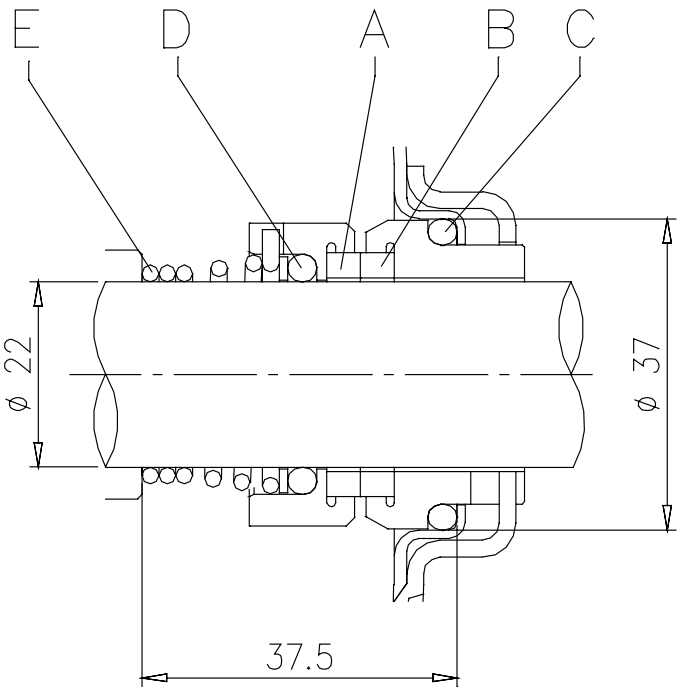

| REF | PART NAME | MATERIAL<br>product standard<br>3 SERIES | MATERIAL<br>hot water pump<br>maximum 110 °C<br>3H Version | MATERIAL<br>(OPTION) |
|---|---|---|---|---|
| A | Rotary seal ring | ceramic | ceramic | SiC |
| B | Stationary seal ring | carbon graphite | carbon graphite | SiC |
| C | O Ring | NBR | FPM rubber | FPM rubber |
| D | O Ring | NBR | FPM rubber | FPM rubber |
| E | O Ring | NBR | FPM rubber | FPM rubber |
| F | Self driving spring | AISI 316 | AISI 316 | AISI 316 |
| G | Frame | AISI 304 | AISI 316 | AISI 316 |

## CONSTRUCTIONS

50 Hz

Rev D

### MECHANICAL SEAL 3L SERIES

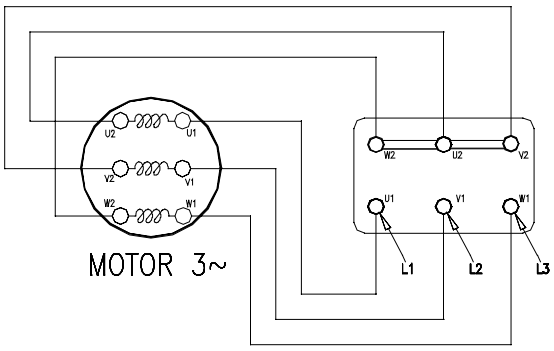



| REF | PART NAME | MATERIAL product standard 3L SERIES |
|---|---|---|
| A | Rotary seal ring | SiC |
| B | Stationary seal ring | SiC |
| C | O Ring | FPM rubber |
| D | O Ring | FPM rubber |
| E | Self driving spring | AISI 316 |

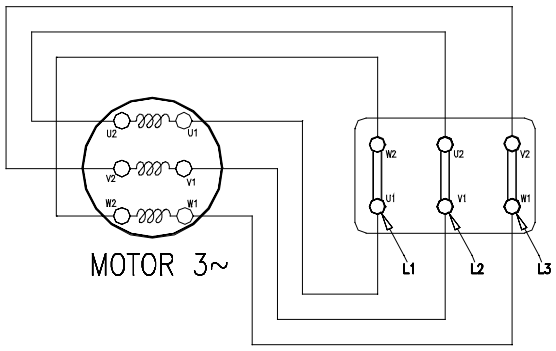
## DIAGRAM AND ELECTRIC CONNECTIONS

### THREE PHASE MOTOR

STAR CONNECTION

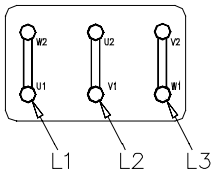



DELTA CONNECTION

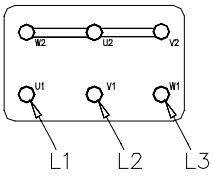



FOR MOTOR 4 kW AND BELOW

DELTA CONNECTION 230 V

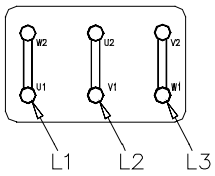



STAR CONNECTION 400 V

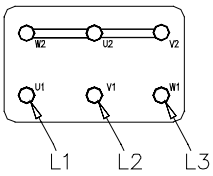



FOR MOTOR 5.5 kW AND ABOVE

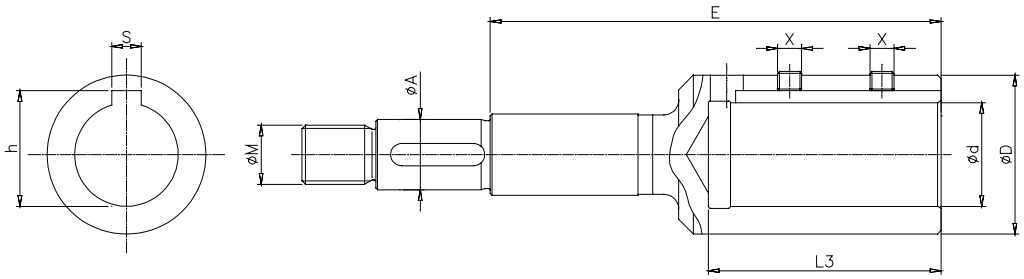
DELTA CONNECTION 400 V




STAR CONNECTION 690 V

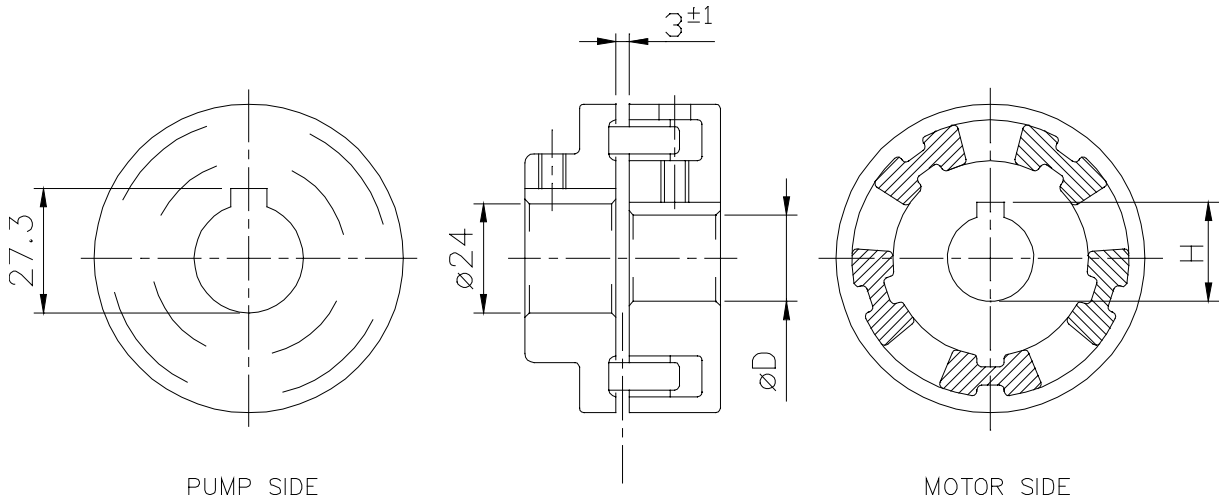


## EXTENSION MOTOR SHAFT




| Type pumps Three Phase 50 Hz | kW | HP | Motor HA | Motor Type | Dimensions mm D | d | L3 | M | X | h | S | E | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32-125/1.1 | 1.1 | 1.5 | 80 | B5 | 33 | 19 | 43 | M16X1.5 | M6x6 | 21.8 | 6 | 98 | 19 |
| 32-160/1.5 | 1.5 | 2 | 90 | B5 | 39 | 24 | 53 | M16X1.5 | M8x8 | 27.3 | 8 | 110 | 19 |
| 32-160/2.2 | 2.2 | 3 | 90 | B5 | 39 | 24 | 53 | M16X1.5 | M8x8 | 27.3 | 8 | 110 | 19 |
| 32-200/3.0 | 3 | 4 | 100 | B3/5 | 43 | 28 | 63 | M16X1.5 | M8x8 | 31.3 | 8 | 122 | 19 |
| 32-200/4.0 | 4 | 5.5 | 112 | B3/5 | 43 | 28 | 63 | M16X1.5 | M8x8 | 31.3 | 8 | 122 | 19 |
| 32-200/5.5 | 5.5 | 7.5 | 132 | B3/5 | 58 | 38 | 84 | M16X1.5 | M8x8 | 41.3 | 10 | 145 | 19 |
| 40-125/1.5 | 1.5 | 2 | 90 | B5 | 39 | 24 | 53 | M16X1.5 | M8x8 | 27.3 | 8 | 110 | 19 |
| 40-125/2.2 | 2.2 | 3 | 90 | B5 | 39 | 24 | 53 | M16X1.5 | M8x8 | 27.3 | 8 | 110 | 19 |
| 40-160/3.0 | 3 | 4 | 100 | B3/5 | 43 | 28 | 63 | M16X1.5 | M8x8 | 31.3 | 8 | 122 | 19 |
| 40-160/4.0 | 4 | 5.5 | 112 | B3/5 | 43 | 28 | 63 | M16X1.5 | M8x8 | 31.3 | 8 | 122 | 19 |
| 40-200/5.5 | 5.5 | 7.5 | 132 | B3/5 | 58 | 38 | 84 | M16X1.5 | M8x8 | 41.3 | 10 | 145 | 19 |
| 40-200/7.5 | 7.5 | 10 | 132 | B3/5 | 58 | 38 | 84 | M16X1.5 | M8x8 | 41.3 | 10 | 145 | 19 |
| 40-200/11 | 11 | 15 | 160 | B3/5 | 63 | 42 | 114 | M16X1.5 | M8x8 | 45.3 | 12 | 178 | 19 |
| 50-125/3.0 | 3 | 4 | 100 | B3/5 | 43 | 28 | 63 | M16X1.5 | M8x8 | 31.3 | 8 | 122 | 19 |
| 50-125/4.0 | 4 | 5.5 | 112 | B3/5 | 43 | 28 | 63 | M16X1.5 | M8x8 | 31.3 | 8 | 122 | 19 |
| 50-160/5.5 | 5.5 | 7.5 | 132 | B3/5 | 58 | 38 | 84 | M16X1.5 | M8x8 | 41.3 | 10 | 145 | 19 |
| 50-160/7.5 | 7.5 | 10 | 132 | B3/5 | 58 | 38 | 84 | M16X1.5 | M8x8 | 41.3 | 10 | 145 | 19 |
| 50-200/9.2 | 9.2 | 12.5 | 132 | B3/5 | 58 | 38 | 84 | M16X1.5 | M8x8 | 41.3 | 10 | 145 | 19 |
| 50-200/11 | 11 | 15 | 160 | B3/5 | 63 | 42 | 114 | M16X1.5 | M8x8 | 45.3 | 12 | 178 | 19 |
| 50-200/15 | 15 | 20 | 160 | B3/5 | 63 | 42 | 114 | M18X1.5 | M8x8 | 45.3 | 12 | 209 | 22 |

## FLEXIBLE COUPLING



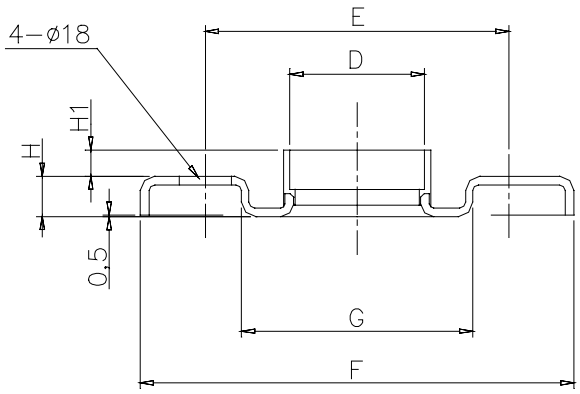

| Type pumps Three Phase 50 Hz | kW | HP | Motor HA | Motor Type | Dimensions mm D | Dimensions mm H |
|---|---|---|---|---|---|---|
| 32-125/1.1 | 1.1 | 1.5 | 80 | B3 | 19 | 21.8 |
| 32-160/1.5 | 1.5 | 2 | 90 | B3 | 24 | 27.3 |
| 32-160/2.2 | 2.2 | 3 | 90 | B3 | 24 | 27.3 |
| 32-200/3.0 | 3 | 4 | 100 | B3 | 28 | 31.3 |
| 32-200/4.0 | 4 | 5.5 | 112 | B3 | 28 | 31.3 |
| 32-200/5.5 | 5.5 | 7.5 | 132 | B3 | 28 | 31.3 |
| 40-125/1.5 | 1.5 | 2 | 90 | B3 | 24 | 27.3 |
| 40-125/2.2 | 2.2 | 3 | 90 | B3 | 24 | 27.3 |
| 40-160/3.0 | 3 | 4 | 100 | B3 | 28 | 31.3 |
| 40-160/4.0 | 4 | 5.5 | 112 | B3 | 28 | 31.3 |
| 40-200/5.5 | 5.5 | 7.5 | 132 | B3 | 38 | 41.3 |
| 40-200/7.5 | 7.5 | 10 | 132 | B3 | 38 | 41.3 |
| 40-200/11 | 11 | 15 | 160 | B3 | 42 | 45.3 |
| 50-125/3.0 | 3 | 4 | 100 | B3 | 28 | 31.3 |
| 50-125/4.0 | 4 | 5.5 | 112 | B3 | 28 | 31.3 |
| 50-160/5.5 | 5.5 | 7.5 | 132 | B3 | 38 | 41.3 |
| 50-160/7.5 | 7.5 | 10 | 132 | B3 | 38 | 41.3 |
| 50-200/9.2 | 9.2 | 12.5 | 132 | B3 | 38 | 41.3 |
| 50-200/11 | 11 | 15 | 160 | B3 | 42 | 45.3 |
| 50-200/15 | 15 | 20 | 160 | B3 | 42 | 45.3 |

## FITTINGS

50 Hz

Rev D

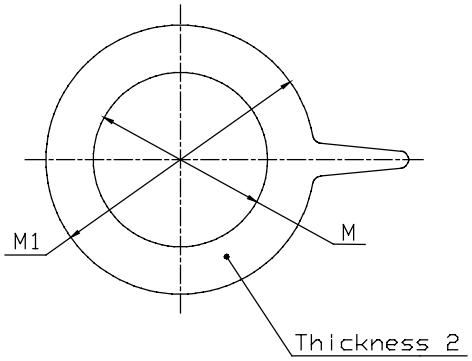
### COUNTER FLANGE




| DIN | D | G | E | F | H | H1 |
|---|---|---|---|---|---|---|
| 32 | G 1 1/4 | 76 | 100 | 140 | 14 | 15.5 |
| 40 | G 1 1/2 | 81 | 110 | 150 | 14 | 15.5 |
| 50 | G 2 | 96 | 125 | 165 | 16 | 18 |
| 65 | G 2 1/2 | 116 | 145 | 185 | 16 | 24 |

Material : Zinked steel for standard
AISI 304 upon request

### GASKET



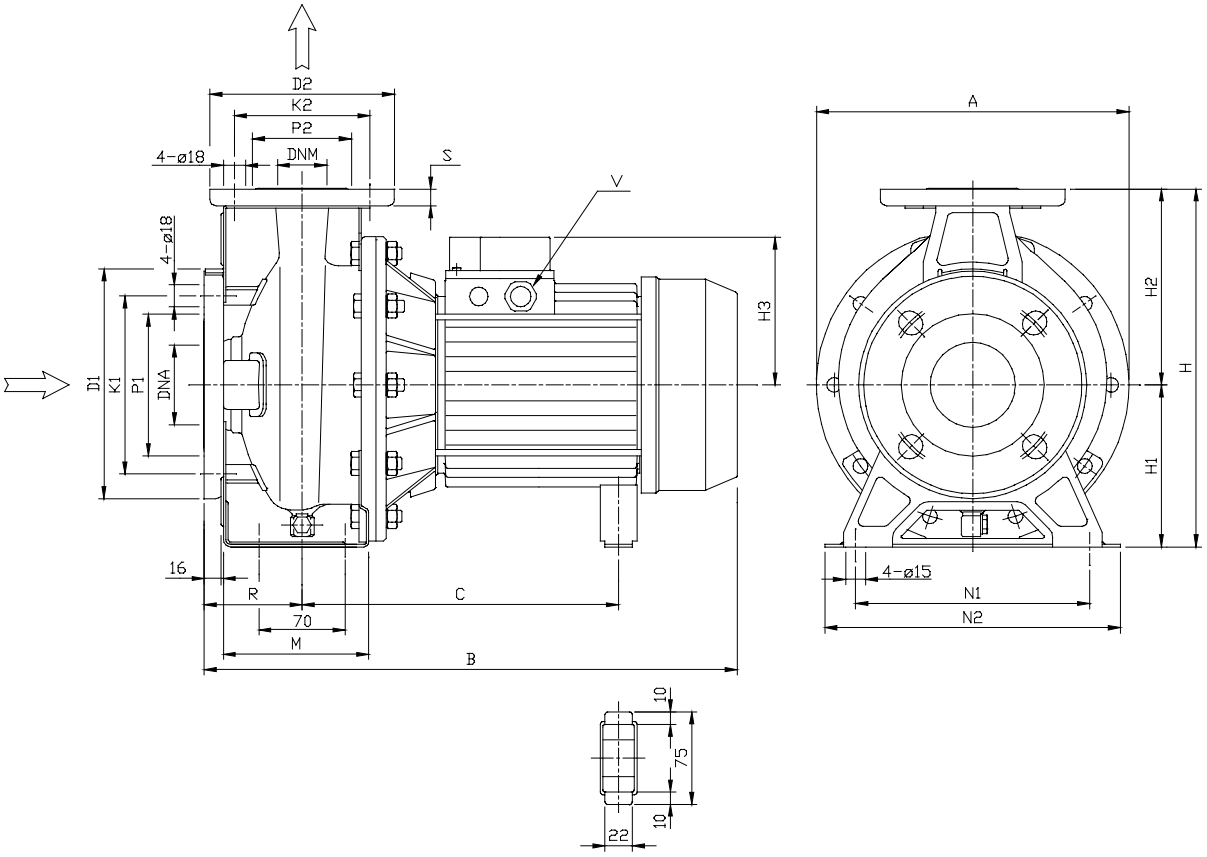

| DIN | M | M1 |
|---|---|---|
| 32 | 38 | 82 |
| 40 | 50 | 93 |
| 50 | 60 | 107 |
| 65 | 80 | 125 |

Material : EPDM version for standard
FPM version for 3MH-3SH-3PH

# DIMENSIONS 3M-3LM

50 Hz

Rev D



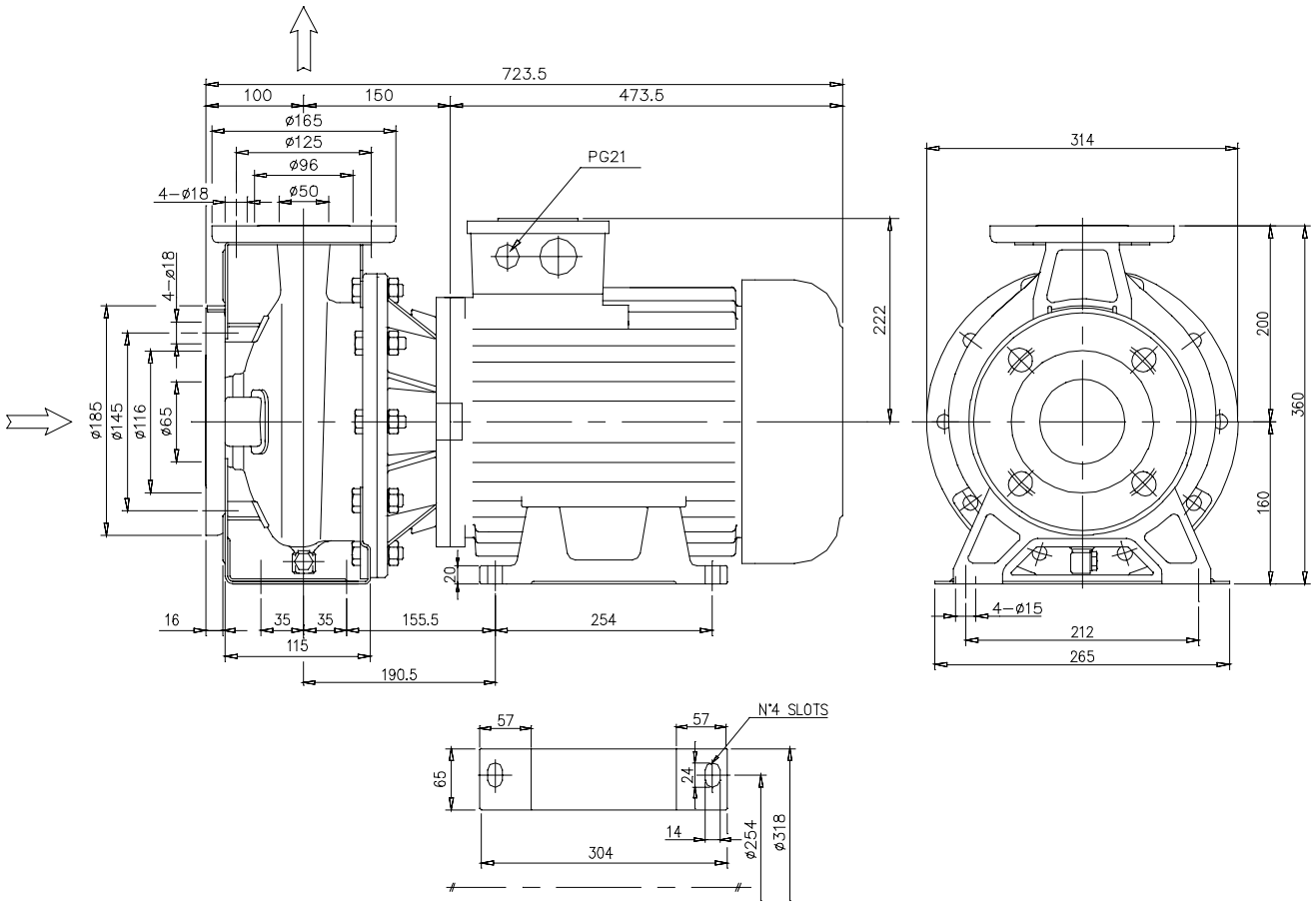

| Pump type | Dimensions [mm] | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | H3 | | | | | | | V | | | | | | | | |
| | A | B | C | H | H1 | H2 | 1 | 2 | M | N1 | N2 | R | S | 1 | 2 | ØD1 | ØK1 | ØP1 | ØD2 | ØK2 | ØP2 | ØDNA | ØDNM |
| 32-125/1.1 | 213 | 408 | 231 | 252 | 112 | 140 | 122 | 139 | 114 | 140 | 190 | 80 | 14 | PG 13,5 | PG 13,5 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-160/1.5 | 254 | 408 | 231 | 292 | 132 | 160 | 122 | 139 | 118 | 190 | 240 | 80 | 14 | PG 13,5 | PG 13,5 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-160/2.2 | 254 | 408 | 231 | 292 | 132 | 160 | 122 | 139 | 118 | 190 | 240 | 80 | 14 | PG 13,5 | PG 13,5 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-200/3.0 | 294 | 433 | 256 | 340 | 160 | 180 | 122 | - | 119 | 190 | 240 | 80 | 14 | PG 13,5 | - | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-200/4.0 | 294 | 458 | 256 | 340 | 160 | 180 | 134 | - | 119 | 190 | 240 | 80 | 14 | PG 16 | - | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-200/5.5 | 294 | 477 | 276 | 340 | 160 | 180 | 153 | - | 119 | 190 | 240 | 80 | 14 | PG 16 | - | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 40-125/1.5 | 213 | 408 | 231 | 252 | 112 | 140 | 122 | 139 | 114 | 160 | 210 | 80 | 14 | PG 13,5 | PG 13,5 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-125/2.2 | 213 | 408 | 231 | 252 | 112 | 140 | 122 | 139 | 114 | 160 | 210 | 80 | 14 | PG 13,5 | PG 13,5 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-160/3.0 | 254 | 433 | 255 | 292 | 132 | 160 | 122 | - | 118 | 190 | 240 | 80 | 14 | PG 13,5 | - | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-160/4.0 | 254 | 458 | 255 | 292 | 132 | 160 | 134 | - | 118 | 190 | 240 | 80 | 14 | PG 16 | - | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-200/5.5 | 294 | 497 | 278 | 340 | 160 | 180 | 153 | - | 115 | 212 | 265 | 100 | 14 | PG 16 | - | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-200/7.5 | 294 | 520 | 224 | 340 | 160 | 180 | 153 | - | 115 | 212 | 265 | 100 | 14 | PG 16 | - | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-200/11 | 294 | 577 | 224 | 340 | 160 | 180 | 181 | - | 115 | 212 | 265 | 100 | 14 | PG 21 | - | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 50-125/2.2 | 254 | 428 | 231 | 292 | 132 | 160 | 122 | 139 | 114 | 190 | 240 | 100 | 16 | PG 13,5 | PG 13,5 | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-125/3.0 | 254 | 453 | 255 | 292 | 132 | 160 | 122 | - | 114 | 190 | 240 | 100 | 16 | PG 13,5 | - | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-125/4.0 | 254 | 478 | 255 | 292 | 132 | 160 | 134 | - | 114 | 190 | 240 | 100 | 16 | PG 16 | - | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-160/5.5 | 296 | 497 | 278 | 340 | 160 | 180 | 153 | - | 115 | 212 | 265 | 100 | 16 | PG 16 | - | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-160/7.5 | 296 | 520 | 224 | 340 | 160 | 180 | 153 | - | 115 | 212 | 265 | 100 | 16 | PG 16 | - | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-200/9.2 | 296 | 582 | 239 | 360 | 160 | 200 | 181 | - | 115 | 212 | 265 | 100 | 16 | PG 21 | - | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-200/11 | 296 | 582 | 239 | 360 | 160 | 200 | 181 | - | 115 | 212 | 265 | 100 | 16 | PG 21 | - | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |

[1] = Only for three phase
[2] = Only for single phase

# DIMENSIONS 3M-3LM

50 Hz

Rev D

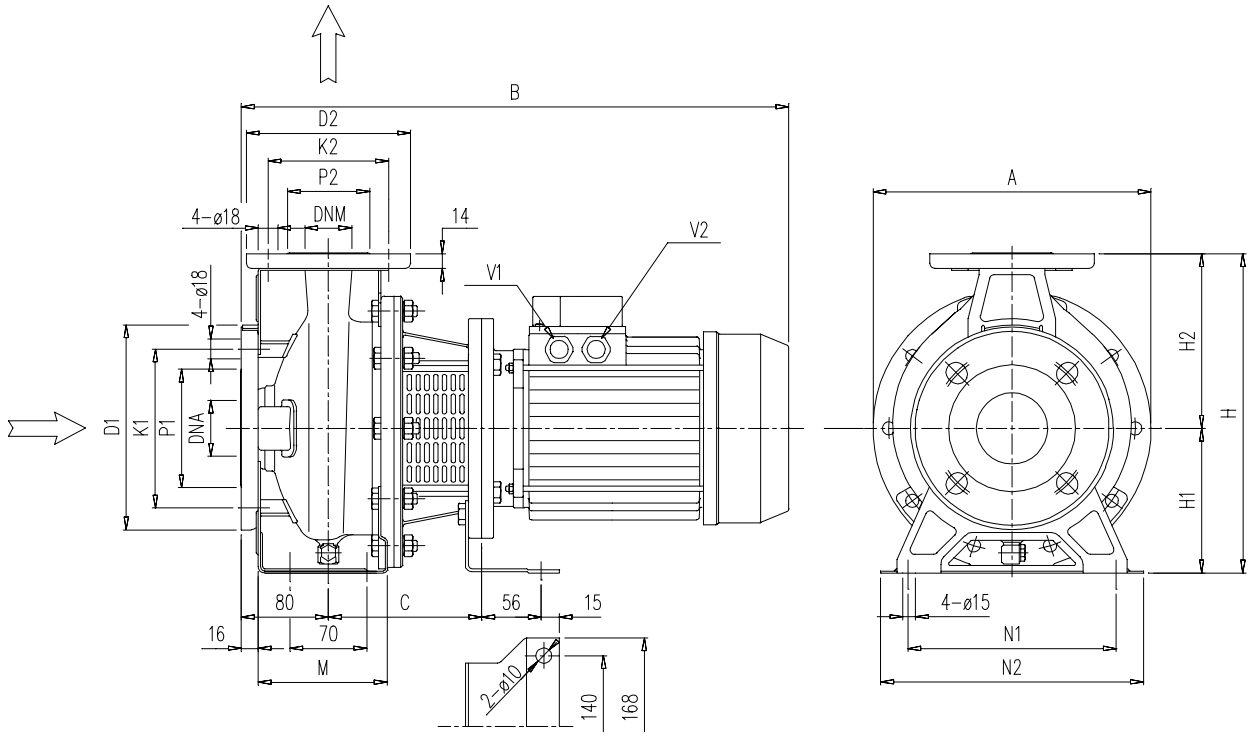



Pump type 50-200/15

# DIMENSIONS 3S-3LS

50 Hz

Rev D

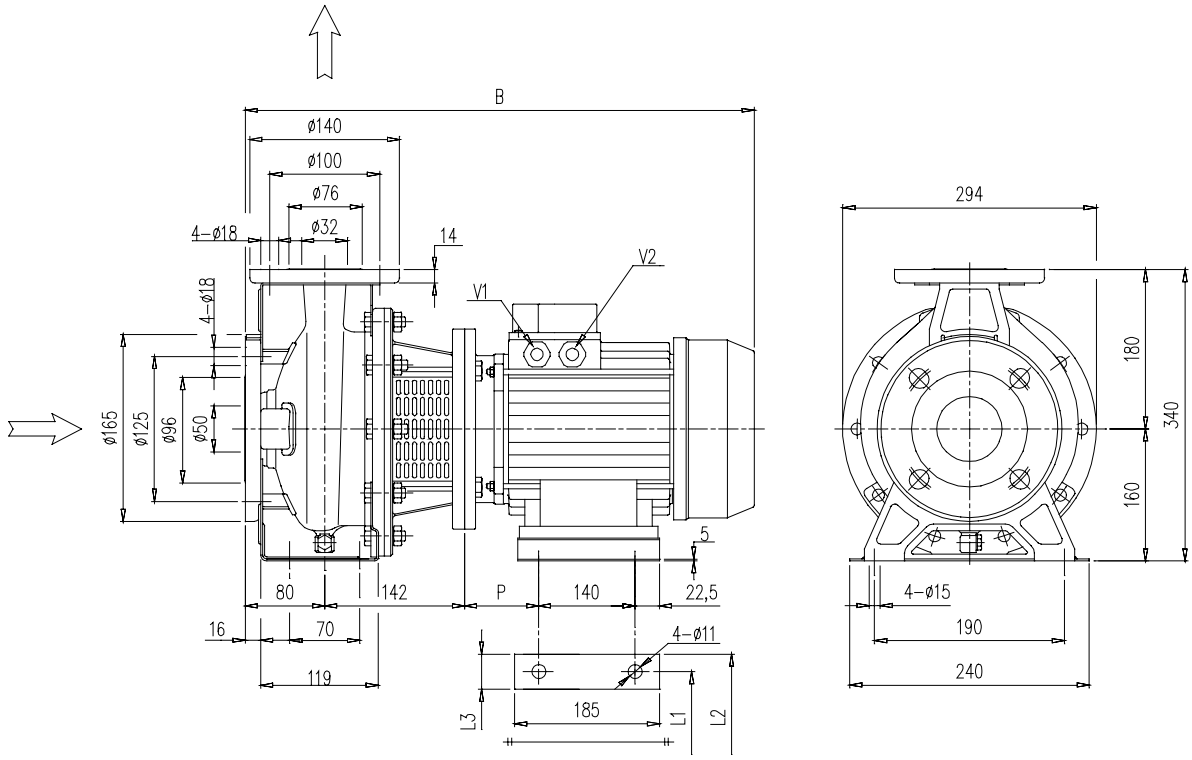



| Pump type | Dimensions [mm] | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | H | H1 | H2 | M | N1 | N2 | V1 | V2 | ØD1 | ØK1 | ØP1 | ØD2 | ØK2 | ØP2 | ØDNA | ØDNM |
| 32-125/1.1 | 213 | 435 | 118 | 252 | 112 | 140 | 114 | 140 | 190 | PG16 | PG13.5 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-160/1.5 | 254 | 467 | 130 | 292 | 132 | 160 | 118 | 190 | 240 | PG16 | PG13.5 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 32-160/2.2 | 254 | 492 | 130 | 292 | 132 | 160 | 118 | 190 | 240 | PG16 | PG13.5 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 40-125/1.5 | 213 | 467 | 130 | 252 | 112 | 140 | 114 | 160 | 210 | PG16 | PG13.5 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-125/2.2 | 213 | 492 | 130 | 252 | 112 | 140 | 114 | 160 | 210 | PG16 | PG13.5 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |

# DIMENSIONS 3S-3LS

50 Hz

Rev D

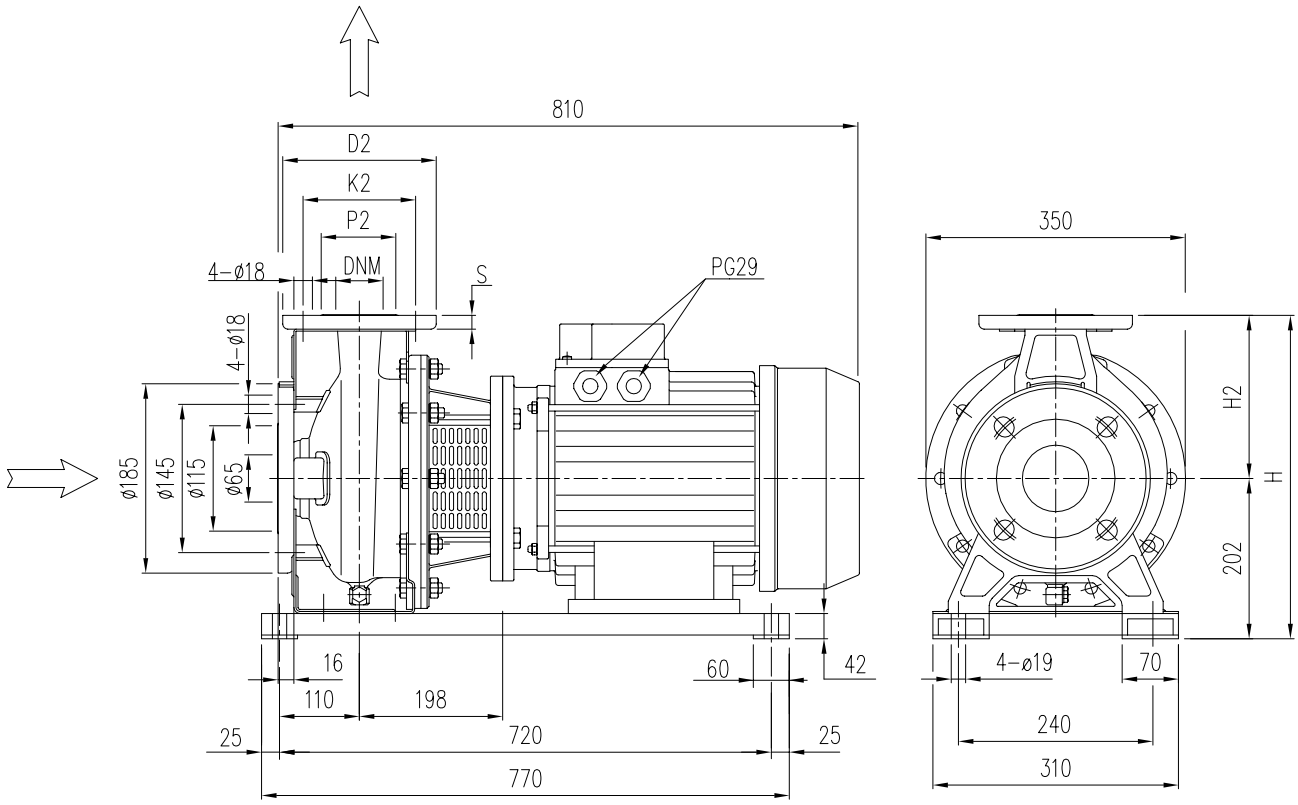



| Pump type | Dimensions [mm] | | | | |
|---|---|---|---|---|---|
| | B | L1 | L2 | L3 | P |
| 32-200/3.0 | 535 | 160 | 202 | 43 | 63 |
| 32-200/4.0 | 556 | 190 | 228 | 38 | 70 |

# DIMENSIONS 3S-3LS

50 Hz

Rev D

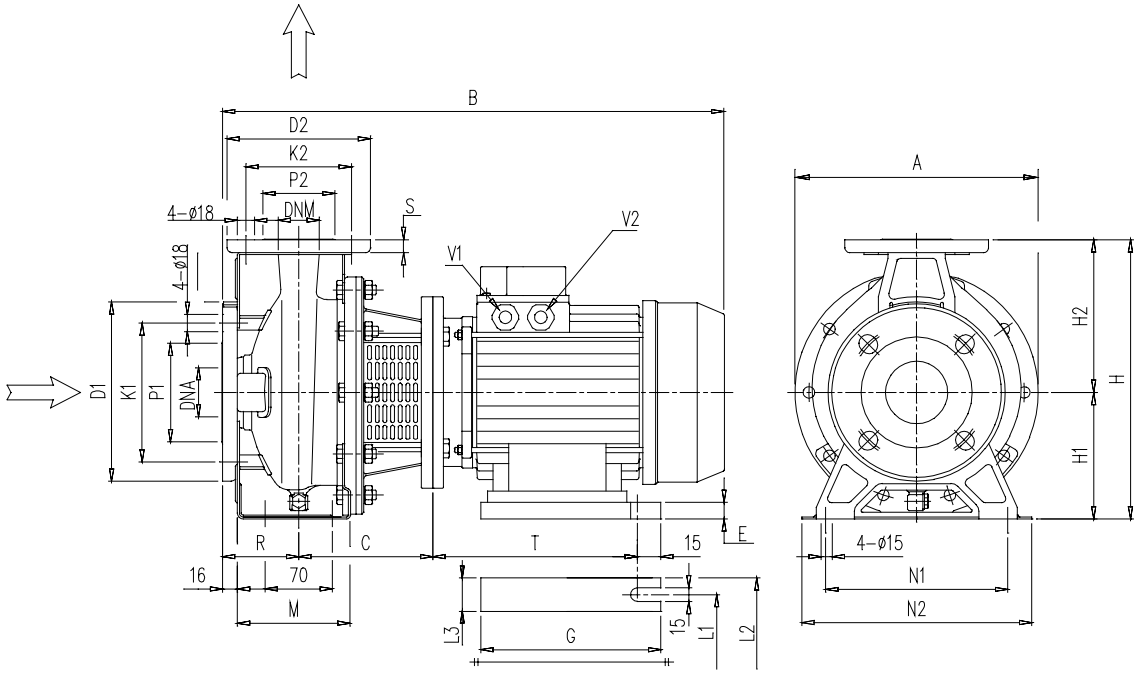



| Pump type | Dimensions [mm] | | | | | | |
|---|---|---|---|---|---|---|---|
| | H | H2 | S | ØD2 | ØK2 | ØP2 | ØDNM |
| 40-200/11 | 382 | 180 | 14 | 150 | 110 | 81 | 40 |
| 50-200/11 | 402 | 200 | 16 | 165 | 125 | 96 | 50 |
| 50-200/15 | 402 | 200 | 16 | 165 | 125 | 96 | 50 |

# DIMENSIONS 3S-3LS

50 Hz

Rev D

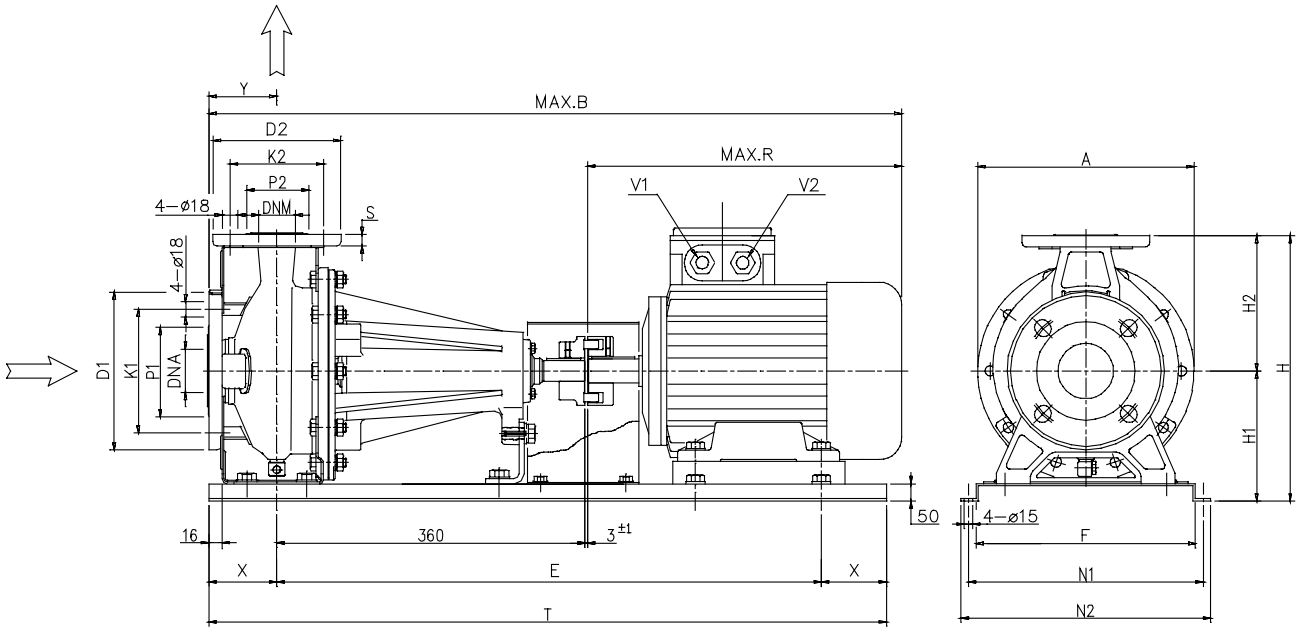



| Pump type | Dimensions [mm] | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | E | G | H | H1 | H2 | M | N1 | N2 | L1 | L2 | L3 | T | R | S | V1 | V2 | ØD1 | ØK1 | ØP1 | ØD2 | ØK2 | ØP2 | ØDNA | ØDNM |
| 32-200/5.5 | 300 | 607 | 165 | 28 | 270 | 340 | 160 | 180 | 119 | 190 | 240 | 216 | 266 | 50 | 314 | 80 | 14 | PG21 | PG21 | 165 | 125 | 96 | 140 | 100 | 76 | 50 | 32 |
| 40-160/3.0 | 254 | 535 | 142 | 32 | 220 | 292 | 132 | 160 | 118 | 190 | 240 | 160 | 200 | 40 | 245 | 80 | 14 | PG16 | PG13,5 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-160/4.0 | 254 | 556 | 142 | 20 | 220 | 292 | 132 | 160 | 118 | 190 | 240 | 190 | 240 | 50 | 252 | 80 | 14 | PG16 | PG13,5 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-200/5.5 | 300 | 627 | 165 | 28 | 270 | 340 | 160 | 180 | 115 | 212 | 265 | 216 | 266 | 50 | 314 | 100 | 14 | PG21 | PG21 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 40-200/7.5 | 300 | 627 | 165 | 28 | 270 | 340 | 160 | 180 | 115 | 212 | 265 | 216 | 266 | 50 | 314 | 100 | 14 | PG21 | PG21 | 185 | 145 | 116 | 150 | 110 | 81 | 65 | 40 |
| 50-125/3.0 | 254 | 555 | 142 | 32 | 220 | 292 | 132 | 160 | 114 | 190 | 240 | 160 | 200 | 40 | 245 | 100 | 16 | PG16 | PG13,5 | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-125/4.0 | 254 | 576 | 142 | 20 | 220 | 292 | 132 | 160 | 114 | 190 | 240 | 190 | 240 | 50 | 252 | 100 | 16 | PG16 | PG13,5 | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-160/5.5 | 300 | 627 | 165 | 28 | 270 | 340 | 160 | 180 | 115 | 212 | 265 | 216 | 266 | 50 | 314 | 100 | 16 | PG21 | PG21 | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-160/7.5 | 300 | 627 | 165 | 28 | 270 | 340 | 160 | 180 | 115 | 212 | 265 | 216 | 266 | 50 | 314 | 100 | 16 | PG21 | PG21 | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |
| 50-200/9.2 | 300 | 667 | 165 | 28 | 270 | 360 | 160 | 200 | 115 | 212 | 265 | 216 | 266 | 50 | 314 | 100 | 16 | PG21 | PG21 | 185 | 145 | 116 | 165 | 125 | 96 | 65 | 50 |

# DIMENSIONS 3P-3LP

50 Hz

Rev D

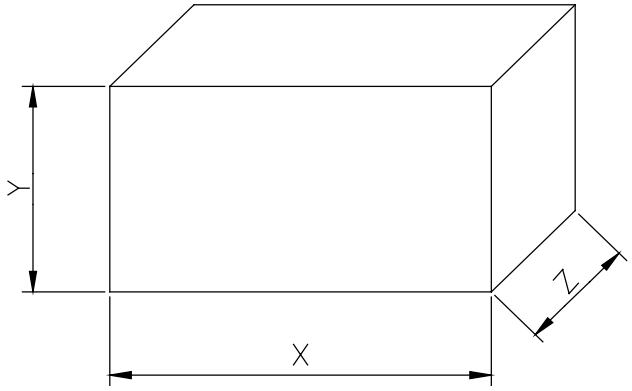



| Pump type | Dimensions [mm] | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | E | F | H | H1 | H2 | L | N1 | N2 | X | Y | R | T | V1 | V2 | S | ØD1 | ØK1 | ØP1 | ØD2 | ØK2 | ØP2 | ØDNA | ØDNM |
| 32-125/1.1 | 213 | 713 | 550 | 250 | 302 | 162 | 140 | 440 | 300 | 340 | 80 | 80 | 270 | 710 | PG16 | PG13,5 | 14 | 165 | 125 | 95 | 140 | 100 | 75 | 50 | 32 |
| 32-160/1.5 | 254 | 763 | 590 | 300 | 342 | 182 | 160 | 440 | 350 | 390 | 80 | 80 | 320 | 750 | PG16 | PG13,5 | 14 | 165 | 125 | 95 | 140 | 100 | 75 | 50 | 32 |
| 32-160/2.2 | 254 | 763 | 590 | 300 | 342 | 182 | 160 | 440 | 350 | 390 | 80 | 80 | 320 | 750 | PG16 | PG13,5 | 14 | 165 | 125 | 95 | 140 | 100 | 75 | 50 | 32 |
| 32-200/3.0 | 296 | 843 | 590 | 300 | 390 | 210 | 180 | 440 | 350 | 390 | 80 | 80 | 400 | 750 | PG16 | PG13,5 | 14 | 165 | 125 | 95 | 140 | 100 | 75 | 50 | 32 |
| 32-200/4.0 | 296 | 843 | 590 | 300 | 390 | 210 | 180 | 440 | 350 | 390 | 80 | 80 | 400 | 750 | PG16 | PG13,5 | 14 | 165 | 125 | 95 | 140 | 100 | 75 | 50 | 32 |
| 32-200/5.5 | 296 | 925 | 650 | 300 | 390 | 210 | 180 | 440 | 350 | 390 | 100 | 80 | 482 | 850 | PG21 | PG21 | 14 | 165 | 125 | 95 | 140 | 100 | 75 | 50 | 32 |
| 40-125/1.5 | 213 | 763 | 550 | 250 | 302 | 162 | 140 | 440 | 300 | 340 | 80 | 80 | 320 | 710 | PG16 | PG13,5 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 40-125/2.2 | 213 | 763 | 550 | 250 | 302 | 162 | 140 | 440 | 300 | 340 | 80 | 80 | 320 | 710 | PG16 | PG13,5 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 40-160/3.0 | 254 | 843 | 590 | 300 | 342 | 182 | 160 | 440 | 350 | 390 | 80 | 80 | 400 | 750 | PG16 | PG13,5 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 40-160/4.0 | 254 | 843 | 590 | 300 | 342 | 182 | 160 | 440 | 350 | 390 | 80 | 80 | 400 | 750 | PG16 | PG13,5 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 40-200/5.5 | 296 | 945 | 650 | 300 | 390 | 210 | 180 | 460 | 350 | 390 | 100 | 100 | 482 | 850 | PG21 | PG21 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 40-200/7.5 | 296 | 945 | 650 | 300 | 390 | 210 | 180 | 460 | 350 | 390 | 100 | 100 | 482 | 850 | PG21 | PG21 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 40-200/11 | 296 | 1111 | 800 | 330 | 390 | 210 | 180 | 460 | 380 | 420 | 100 | 100 | 648 | 1000 | PG29 | PG29 | 14 | 185 | 145 | 115 | 150 | 110 | 80 | 65 | 40 |
| 50-125/3.0 | 254 | 863 | 590 | 300 | 342 | 182 | 160 | 460 | 350 | 390 | 80 | 100 | 400 | 750 | PG16 | PG13,5 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |
| 50-125/4.0 | 254 | 863 | 590 | 300 | 342 | 182 | 160 | 460 | 350 | 390 | 80 | 100 | 400 | 750 | PG16 | PG13,5 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |
| 50-160/5.5 | 296 | 945 | 650 | 300 | 390 | 210 | 180 | 460 | 350 | 390 | 100 | 100 | 482 | 850 | PG21 | PG21 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |
| 50-160/7.5 | 296 | 945 | 650 | 300 | 390 | 210 | 180 | 460 | 350 | 390 | 100 | 100 | 482 | 850 | PG21 | PG21 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |
| 50-200/9.2 | 296 | 945 | 650 | 300 | 410 | 210 | 200 | 460 | 350 | 390 | 100 | 100 | 482 | 850 | PG21 | PG21 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |
| 50-200/11 | 296 | 1111 | 800 | 330 | 410 | 210 | 200 | 460 | 380 | 420 | 100 | 100 | 648 | 1000 | PG29 | PG29 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |
| 50-200/15 | 296 | 1111 | 800 | 330 | 410 | 210 | 200 | 460 | 380 | 420 | 100 | 100 | 648 | 1000 | PG29 | PG29 | 16 | 185 | 145 | 115 | 165 | 125 | 95 | 65 | 50 |

# PACKING AND WEIGHT 3M-3LM

50 Hz

Rev D

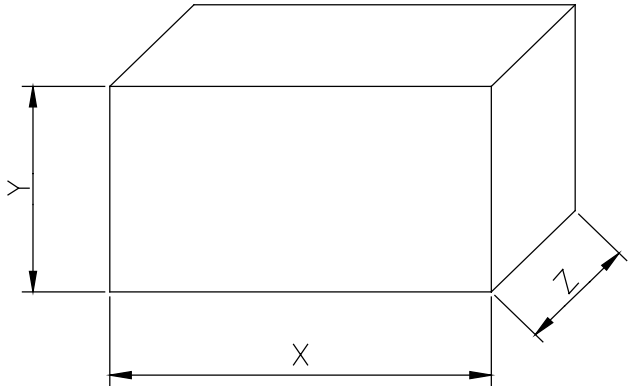



| Type pumps Three Phase | PACKING [mm] X | Z | Y | WEIGHT [Kg] |
|---|---|---|---|---|
| 32-125/1.1 | 440 | 240 | 280 | 23.5 |
| 32-160/1.5 | 420 | 270 | 310 | 24 |
| 32-160/2.2 | 420 | 270 | 310 | 26 |
| 32-200/3.0 | 490 | 320 | 370 | 32 |
| 32-200/4.0 | 490 | 320 | 370 | 34 |
| 32-200/5.5 | 490 | 320 | 370 | 46.9 |
| 40-125/1.5 | 440 | 240 | 280 | 28.5 |
| 40-125/2.2 | 440 | 240 | 280 | 31 |
| 40-160/3.0 | 480 | 270 | 320 | 36 |
| 40-160/4.0 | 480 | 270 | 320 | 38 |
| 40-200/5.5 | 550 | 320 | 370 | 51 |
| 40-200/7.5 | 550 | 320 | 370 | 53 |
| 40-200/11 | 670 | 320 | 380 | 66.9 |
| 50-125/2.2 | 480 | 270 | 320 | 32 |
| 50-125/3.0 | 480 | 270 | 320 | 35.5 |
| 50-125/4.0 | 480 | 270 | 320 | 40 |
| 50-160/5.5 | 550 | 320 | 370 | 55 |
| 50-160/7.5 | 550 | 320 | 370 | 61 |
| 50-200/9.2 | 670 | 320 | 380 | 67.5 |
| 50-200/11 | 670 | 320 | 380 | 70 |
| 50-200/15 | 850 | 360 | 410 | 110.2 |

# PACKING AND WEIGHT 3S-3LS

50 Hz

Rev D

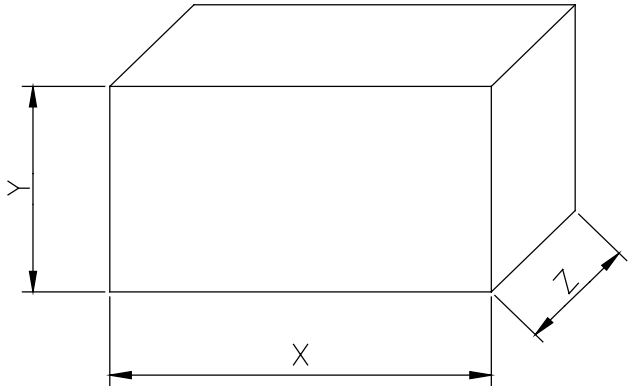



| Type pumps Three Phase | PACKING [mm] Z | X | Y | WEIGHT [Kg] |
|---|---|---|---|---|
| 32-125/1.1 | 440 | 240 | 280 | 22 |
| 32-160/1.5 | 550 | 320 | 370 | 28 |
| 32-160/2.2 | 550 | 320 | 370 | 31 |
| 32-200/3.0 | 670 | 320 | 380 | 44.4 |
| 32-200/4.0 | 670 | 320 | 380 | 48.4 |
| 32-200/5.5 | 670 | 320 | 380 | 64.7 |
| 40-125/1.5 | 550 | 320 | 370 | 26.5 |
| 40-125/2.2 | 550 | 320 | 370 | 23.5 |
| 40-160/3.0 | 670 | 320 | 380 | 43.4 |
| 40-160/4.0 | 670 | 320 | 380 | 44.5 |
| 40-200/5.5 | 670 | 320 | 380 | 70 |
| 40-200/7.5 | 670 | 320 | 380 | 70.6 |
| 40-200/11 | 850 | 360 | 480 | 125 |
| 50-125/3.0 | 670 | 320 | 380 | 41 |
| 50-125/4.0 | 670 | 320 | 380 | 41.7 |
| 50-160/5.5 | 670 | 320 | 380 | 72 |
| 50-160/7.5 | 670 | 320 | 380 | 70.8 |
| 50-200/9.2 | 670 | 320 | 380 | 79.1 |
| 50-200/11 | 850 | 360 | 480 | 125 |
| 50-200/15 | 850 | 360 | 480 | 133 |

# PACKING AND WEIGHT 3P-3LP

50 Hz

Rev D




| Type pumps Three Phase | PACKING [mm] X | Y | Z | WEIGHT [Kg] |
|---|---|---|---|---|
| 32-125/1.1 | 760 | 320 | 360 | 43.5 |
| 32-160/1.5 | 820 | 360 | 410 | 51 |
| 32-160/2.2 | 820 | 360 | 410 | 53.5 |
| 32-200/3.0 | 890 | 410 | 410 | 68 |
| 32-200/4.0 | 890 | 410 | 410 | 72 |
| 32-200/5.5 | 970 | 410 | 410 | 88 |
| 40-125/1.5 | 820 | 320 | 360 | 48.5 |
| 40-125/2.2 | 820 | 320 | 360 | 51 |
| 40-160/3.0 | 890 | 360 | 410 | 77.5 |
| 40-160/4.0 | 890 | 360 | 410 | 64.5 |
| 40-200/5.5 | 990 | 410 | 410 | 89 |
| 40-200/7.5 | 990 | 410 | 410 | 94.5 |
| 40-200/11 | 1150 | 410 | 440 | 117 |
| 50-125/3.0 | 910 | 360 | 410 | 79 |
| 50-125/4.0 | 910 | 360 | 410 | 81.5 |
| 50-160/5.5 | 990 | 410 | 410 | 89 |
| 50-160/7.5 | 990 | 410 | 410 | 94.5 |
| 50-200/9.2 | 990 | 430 | 410 | 100 |
| 50-200/11 | 1150 | 430 | 440 | 117.5 |
| 50-200/15 | 1150 | 430 | 440 | 125.4 |

# TECHNICAL DATA 3M-3LM

50 Hz

Rev D

| Type pumps | | kW | HP | Ball Bearing | | Capacitor | | Input | | Full load current | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Phase | Three Phase | | | Pump side | Fan side | Single Phase | | in [kW] | | in [A] | | |
| 50 Hz | 50 Hz | | | | | m F | Vc | Single Phase | Three Phase | 230 V | 400 V | 690 V |
| 32-125/1.1 M | 32-125/1.1 | 1.1 | 1.5 | 6205 ZZ | 6205 ZZ | 31.5 | 450 | 1.47 | 1.45 | 5 | 2.9 | - |
| 32-160/1.5 M | 32-160/1.5 | 1.5 | 2 | 6205 ZZ | 6205 ZZ | 40 | 450 | 2.09 | 2 | 5.9 | 3.4 | - |
| 32-160/2.2 M | 32-160/2.2 | 2.2 | 3 | 6205 ZZ | 6205 ZZ | 50 | 450 | 2.77 | 2.8 | 8.3 | 4.8 | - |
| - | 32-200/3.0 | 3 | 4 | 6205 ZZ | 6205 ZZ | - | - | - | 3.7 | 11.8 | 6.8 | - |
| - | 32-200/4.0 | 4 | 5.5 | 6206 ZZ | 6205 ZZ | - | - | - | 5 | 15.6 | 9 | - |
| - | 32-200/5.5 | 5.5 | 7.5 | 6306 ZZ | 6206 ZZ | - | - | - | 6.8 | - | 11.8 | 6.8 |
| 40-125/1,5 M | 40-125/1.5 | 1.5 | 2 | 6205 ZZ | 6205 ZZ | 40 | 450 | 2.01 | 2 | 5.9 | 3.4 | - |
| 40-125/2.2 M | 40-125/2.2 | 2.2 | 3 | 6205 ZZ | 6205 ZZ | 50 | 450 | 2.9 | 2.8 | 8.3 | 4.8 | - |
| - | 40-160/3.0 | 3 | 4 | 6205 ZZ | 6205 ZZ | - | - | - | 3.7 | 11.8 | 6.8 | - |
| - | 40-160/4.0 | 4 | 5.5 | 6206 ZZ | 6205 ZZ | - | - | - | 5.1 | 15.9 | 9.2 | - |
| - | 40-200/5.5 | 5.5 | 7.5 | 6306 ZZ | 6206 ZZ | - | - | - | 6.7 | - | 11.1 | 6.4 |
| - | 40-200/7.5 | 7.5 | 10 | 6306 ZZ | 6206 ZZ | - | - | - | 8.8 | - | 15.1 | 8.7 |
| - | 40-200/11 | 11 | 15 | 6308 ZZ | 6208 ZZ | - | - | - | 11.5 | - | 20 | 11.6 |
| 50-125/2.2 M | 50-125/2.2 | 2.2 | 3 | 6205 ZZ | 6205 ZZ | 50 | 450 | 2.73 | 2.8 | 8.1 | 4.7 | - |
| - | 50-125/3.0 | 3 | 4 | 6205 ZZ | 6205 ZZ | - | - | - | 3.7 | 11.8 | 6.8 | - |
| - | 50-125/4.0 | 4 | 5.5 | 6205 ZZ | 6205 ZZ | - | - | - | 5.1 | 15.9 | 9.2 | - |
| - | 50-160/5.5 | 5.5 | 7.5 | 6306 ZZ | 6206 ZZ | - | - | - | 6.7 | - | 11.5 | 6.6 |
| - | 50-160/7.5 | 7.5 | 10 | 6306 ZZ | 6206 ZZ | - | - | - | 9.1 | - | 15.5 | 9 |
| - | 50-200/9.2 | 9.2 | 12.5 | 6308 ZZ | 6208 ZZ | - | - | - | 10.9 | - | 17.4 | 10 |
| - | 50-200/11 | 11 | 15 | 6308 ZZ | 6208 ZZ | - | - | - | 13 | - | 22 | 12.7 |
| - | 50-200/15 | 15 | 20 | 6309 ZZ | 6209 ZZ | - | - | - | 17.5 | - | 31.3 | 18 |

| Type pumps | Locked rotor current | | |
|---|---|---|---|
| Three Phase | in [A] | | |
| 50 Hz | 230 V | 400 V | 690 V |
| 32-125/1.1 | 33 | 19 | - |
| 32-160/1.5 | 33 | 19 | - |
| 32-160/2.2 | 59 | 34 | - |
| 32-200/3.0 | 86 | 49 | - |
| 32-200/4.0 | 135 | 77 | - |
| 32-200/5.5 | - | 104 | 60 |
| 40-125/1.5 | 33 | 19 | - |
| 40-125/2.2 | 59 | 34 | - |
| 40-160/3.0 | 86 | 49 | - |
| 40-160/4.0 | 135 | 77 | - |
| 40-200/5.5 | - | 104 | 60 |
| 40-200/7.5 | - | 132 | 77 |
| 40-200/11 | - | 169 | 98 |
| 50-125/2.2 | 59 | 34 | - |
| 50-125/3.0 | 86 | 49 | - |
| 50-125/4.0 | 135 | 77 | - |
| 50-160/5.5 | - | 104 | 60 |
| 50-160/7.5 | - | 132 | 77 |
| 50-200/9.2 | - | 138 | 79 |
| 50-200/11 | - | 169 | 98 |
| 50-200/15 | - | 180 | 104 |

# TECHNICAL DATA 3S-3LS

50 Hz

Rev D

| Type pumps Three Phase 50 Hz | kW | HP | Ball bearing Pump side | Ball bearing Fan side | Full load current in [A] 230 V | Full load current in [A] 400 V | Full load current in [A] 690 V |
|---|---|---|---|---|---|---|---|
| 32-125/1.1 | 1.1 | 1.5 | 6204 2Z | 6204 2Z | 4.8 | 2.8 | - |
| 32-160/1.5 | 1.5 | 2 | 6205 2Z | 6205 2Z | 5.9 | 3.4 | - |
| 32-160/2.2 | 2.2 | 3 | 6205 2Z | 6205 2Z | 8.8 | 5.1 | - |
| 32-200/3.0 | 3 | 4 | 6206 2Z | 6206 2Z | 10.4 | 6.0 | - |
| 32-200/4.0 | 4 | 5.5 | 6306 2Z | 6306 2Z | 14.7 | 8.5 | - |
| 32-200/5.5 | 5.5 | 7.5 | 6208 2Z | 6208 2Z | - | 11.0 | 6.4 |
| 40-125/1.5 | 1.5 | 2 | 6205 2Z | 6205 2Z | 5.9 | 3.4 | - |
| 40-125/2.2 | 2.2 | 3 | 6205 2Z | 6205 2Z | 8.8 | 5.1 | - |
| 40-160/3.0 | 3 | 4 | 6206 2Z | 6206 2Z | 10.4 | 6.0 | - |
| 40-160/4.0 | 4 | 5.5 | 6306 2Z | 6306 2Z | 14.7 | 8.5 | - |
| 40-200/5.5 | 5.5 | 7.5 | 6208 2Z | 6208 2Z | - | 11.0 | 6.4 |
| 40-200/7.5 | 7.5 | 10 | 6208 2Z | 6208 2Z | - | 15.3 | 8.8 |
| 40-200/11 | 11 | 15 | 6309 2Z | 6309 2Z | - | 22.0 | 12.7 |
| 50-125/3.0 | 3 | 4 | 6206 2Z | 6206 2Z | 10.4 | 6.0 | - |
| 50-125/4.0 | 4 | 5.5 | 6306 2Z | 6306 2Z | 14.7 | 8.5 | - |
| 50-160/5.5 | 5.5 | 7.5 | 6208 2Z | 6208 2Z | - | 11.0 | 6.4 |
| 50-160/7.5 | 7.5 | 10 | 6208 2Z | 6208 2Z | - | 15.3 | 8.8 |
| 50-200/9.2 | 9.2 | 12.5 | 6208 2Z | 6208 2Z | - | 17.6 | 10.2 |
| 50-200/11 | 11 | 15 | 6309 2Z | 6309 2Z | - | 22.0 | 12.7 |
| 50-200/15 | 15 | 20 | 6309 2Z | 6309 2Z | - | 29.0 | 16.7 |

| Type pumps Three Phase 50 Hz | Locked rotor current in [A] 230 V | Locked rotor current in [A] 400 V | Locked rotor current in [A] 690 V |
|---|---|---|---|
| 32-125/1.1 | 22.9 | 13.2 | - |
| 32-160/1.5 | 29.4 | 17 | - |
| 32-160/2.2 | 61 | 35.2 | - |
| 32-200/3.0 | 75.9 | 43.8 | - |
| 32-200/4.0 | 119.3 | 68.9 | - |
| 32-200/5.5 | - | 66 | 38.1 |
| 40-125/1.5 | 29.4 | 17 | - |
| 40-125/2.2 | 61 | 35.2 | - |
| 40-160/3.0 | 75.9 | 43.8 | - |
| 40-160/4.0 | 119.3 | 68.9 | - |
| 40-200/5.5 | - | 66 | 38.1 |
| 40-200/7.5 | - | 97.9 | 56.5 |
| 40-200/11 | - | 152 | 87.8 |
| 50-125/3.0 | 75.9 | 43.8 | - |
| 50-125/4.0 | 119.3 | 68.9 | - |
| 50-160/5.5 | - | 66 | 38.1 |
| 50-160/7.5 | - | 97.9 | 56.5 |
| 50-200/9.2 | - | 128.5 | 74.2 |
| 50-200/11 | - | 152 | 87.8 |
| 50-200/15 | - | 235 | 135.7 |

# TECHNICAL DATA 3P-3LP

50 Hz

Rev D

| Type pumps Three Phase 50 Hz | kW | HP | Pump ball bearings | | Motor ball bearings | | Full load current in [A] | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Pump side | Coupling side | Pump side | Fan side | 230 V | 400 V | 690 V |
| 32-125/1.1 | 1.1 | 1.5 | 6306 ZZ | 6206 ZZ | 6204 ZZ | 6204 ZZ | 4.8 | 2.8 | - |
| 32-160/1.5 | 1.5 | 2 | 6306 ZZ | 6206 ZZ | 6205 ZZ | 6205 ZZ | 5.9 | 3.4 | - |
| 32-160/2.2 | 2.2 | 3 | 6306 ZZ | 6206 ZZ | 6205 ZZ | 6205 ZZ | 8.8 | 5.1 | - |
| 32-200/3.0 | 3 | 4 | 6308 ZZ | 6306 ZZ | 6206 ZZ | 6206 ZZ | 10.4 | 6.0 | - |
| 32-200/4.0 | 4 | 5.5 | 6308 ZZ | 6306 ZZ | 6306 ZZ | 6306 ZZ | 14.7 | 8.5 | - |
| 32-200/5.5 | 5.5 | 7.5 | 6308 ZZ | 6306 ZZ | 6208 ZZ | 6208 ZZ | - | 11.0 | 6.4 |
| 40-125/1.5 | 1.5 | 2 | 6306 ZZ | 6206 ZZ | 6205 ZZ | 6205 ZZ | 5.9 | 3.4 | - |
| 40-125/2.2 | 2.2 | 3 | 6306 ZZ | 6206 ZZ | 6205 ZZ | 6205 ZZ | 8.8 | 5.1 | - |
| 40-160/3.0 | 3 | 4 | 6306 ZZ | 6206 ZZ | 6206 ZZ | 6206 ZZ | 10.4 | 6.0 | - |
| 40-160/4.0 | 4 | 5.5 | 6306 ZZ | 6206 ZZ | 6306 ZZ | 6306 ZZ | 14.7 | 8.5 | - |
| 40-200/5.5 | 5.5 | 7.5 | 6308 ZZ | 6306 ZZ | 6208 ZZ | 6208 ZZ | - | 11.0 | 6.4 |
| 40-200/7.5 | 7.5 | 10 | 6308 ZZ | 6306 ZZ | 6208 ZZ | 6208 ZZ | - | 15.3 | 8.8 |
| 40-200/11 | 11 | 15 | 6308 ZZ | 6306 ZZ | 6309 ZZ | 6309 ZZ | - | 22.0 | 12.7 |
| 50-125/3.0 | 3 | 4 | 6306 ZZ | 6206 ZZ | 6206 ZZ | 6206 ZZ | 10.4 | 6.0 | - |
| 50-125/4.0 | 4 | 5.5 | 6306 ZZ | 6206 ZZ | 6306 ZZ | 6306 ZZ | 14.7 | 8.5 | - |
| 50-160/5.5 | 5.5 | 7.5 | 6308 ZZ | 6306 ZZ | 6208 ZZ | 6208 ZZ | - | 11.0 | 6.4 |
| 50-160/7.5 | 7.5 | 10 | 6308 ZZ | 6306 ZZ | 6208 ZZ | 6208 ZZ | - | 15.3 | 8.8 |
| 50-200/9.2 | 9.2 | 12.5 | 6308 ZZ | 6306 ZZ | 6208 ZZ | 6208 ZZ | - | 17.6 | 10.2 |
| 50-200/11 | 11 | 15 | 6308 ZZ | 6306 ZZ | 6309 ZZ | 6309 ZZ | - | 22.0 | 12.7 |
| 50-200/15 | 15 | 20 | 6308 ZZ | 6306 ZZ | 6309 ZZ | 6309 ZZ | - | 29.0 | 16.7 |

| Type pumps Three Phase 50 Hz | Locked rotor current | | |
|---|---|---|---|
| | 230 V | 400 V | 690 V |
| 32-125/1.1 | 22.9 | 13.2 | - |
| 32-160/1.5 | 29.4 | 17 | - |
| 32-160/2.2 | 61 | 35.2 | - |
| 32-200/3.0 | 75.9 | 43.8 | - |
| 32-200/4.0 | 119.3 | 68.9 | - |
| 32-200/5.5 | - | 66 | 38.1 |
| 40-125/1.5 | 29.4 | 17 | - |
| 40-125/2.2 | 61 | 35.2 | - |
| 40-160/3.0 | 75.9 | 43.8 | - |
| 40-160/4.0 | 119.3 | 68.9 | - |
| 40-200/5.5 | - | 66 | 38.1 |
| 40-200/7.5 | - | 97.9 | 56.5 |
| 40-200/11 | - | 152 | 87.8 |
| 50-125/3.0 | 75.9 | 43.8 | - |
| 50-125/4.0 | 119.3 | 68.9 | - |
| 50-160/5.5 | - | 66 | 38.1 |
| 50-160/7.5 | - | 97.9 | 56.5 |
| 50-200/9.2 | - | 128.5 | 74.2 |
| 50-200/11 | - | 152 | 87.8 |
| 50-200/15 | - | 235 | 135.7 |