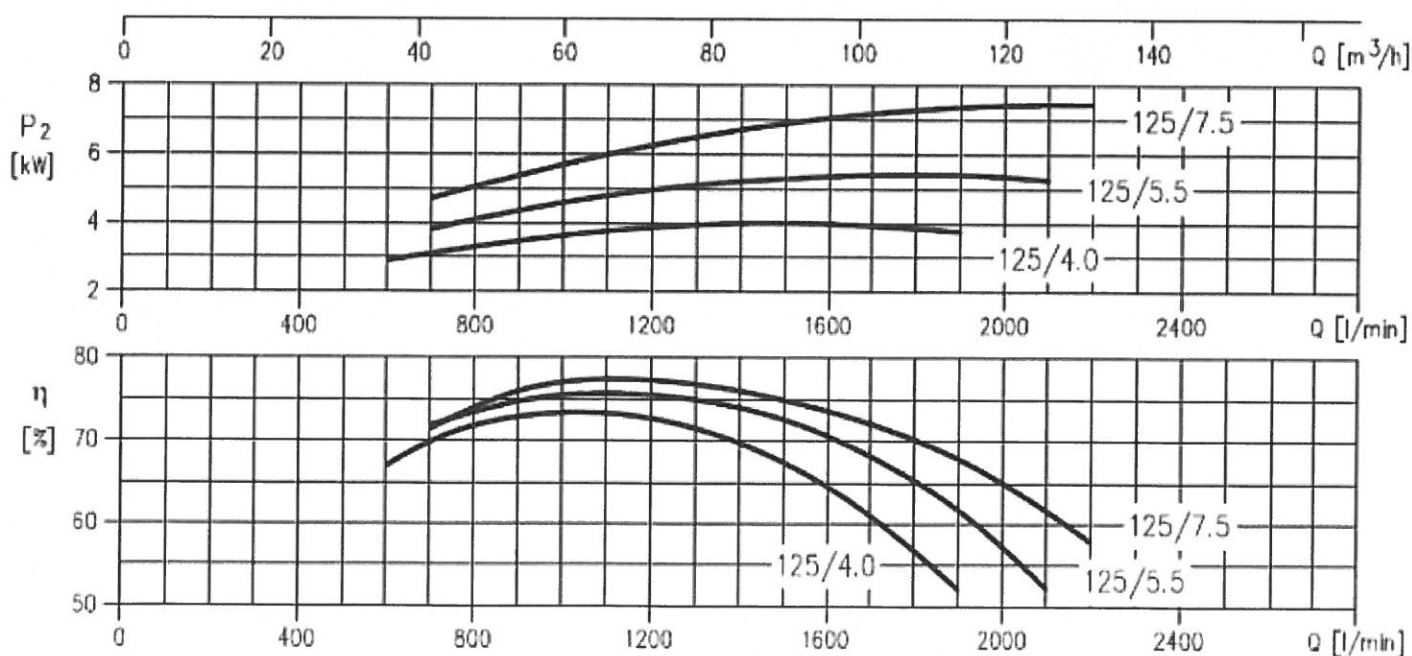
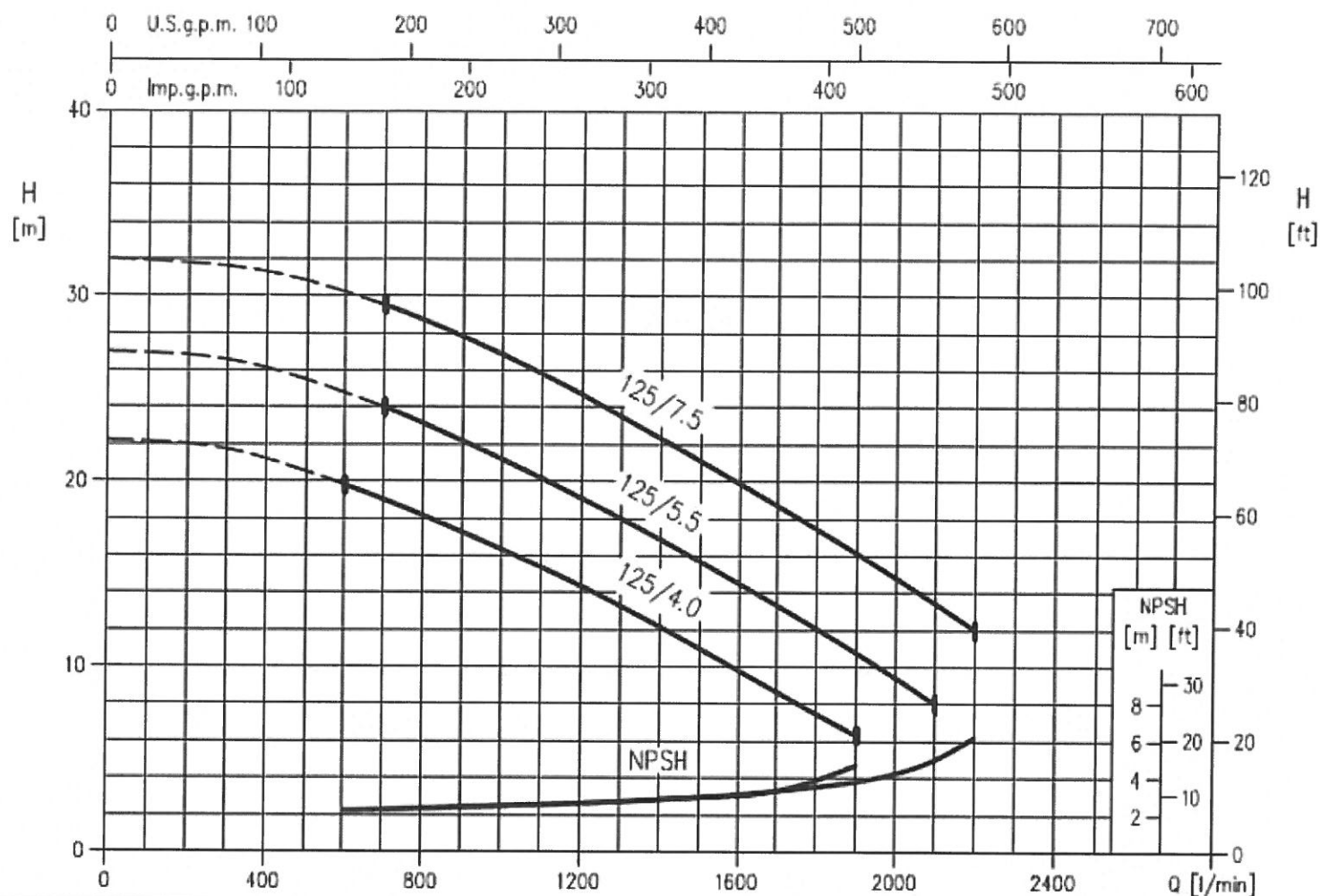
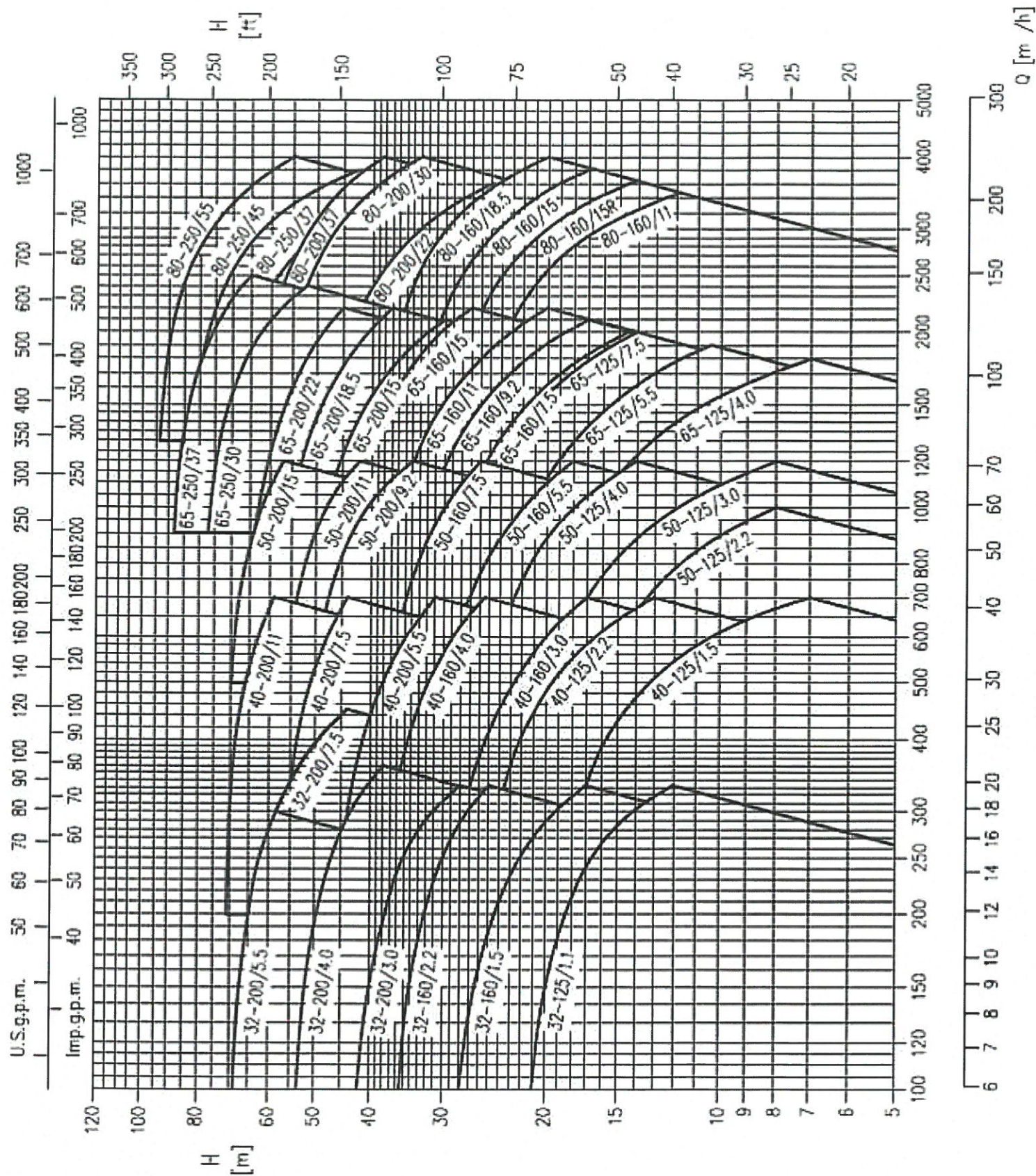


65-125/4 (4.0kW) MEI > 0.50 – impeller diameter = 128 mm
 65-125/5.5 (5.5kW) MEI > 0.50 – impeller diameter = 138 mm
 65-125/7.5 (7.5kW) MEI > 0.50 – impeller diameter = 149 mm



Rotation speed $\approx 2900 \text{ min}^{-1}$
 Test standard: ISO 9906:2012 - Grade 3B



Dane techniczne

Nazwa pompy 3M 65-125/5.5

| | | |
|------------------|-------------------|-----------|
| Klient | Data 23-June-2020 | Firma |
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Requested data

| | | | | |
|---|---------------------------|-------------------|----------------------------|--------------|
| 1 | Nazwa pompy | CENTRIFUGAL PUMPS | Medium | Woda, czysta |
| 2 | Ilość pomp / Rezerwa | 1 / 0 | Temperatura cieczy °C | 20 |
| 3 | Przepływ m³/h | 90 | Lepkość kinematyczna mm²/s | 1 |
| 4 | Wysokość podnoszenia m | 16 | Ciśnienie nasycenia bar | 0,022 |
| 5 | Wysokość geodezyjna m | 0 | wartość pH | 7 |
| 6 | Ciśnienie na dopływie bar | 0 | Gęstość kg/dm³ | 1 |
| 7 | Available system NPSH | 0 | Ciała stałe Weight % | 0 |
| 8 | Temp otoczenia °C | 20 | | |

Pompa

| | | | | |
|----|----------------------------|--------------------------------|-----------------------------------|---------------------|
| 9 | Nazwa pompy | 3M 65-125/5.5 | Częstotliwość Hz | 50 |
| 10 | Typ | CENTRIFUGAL PUMPS | Rodzaj montażu | STANDARD |
| 11 | Producent | EPE | Wirnik | Max. mm 138 |
| 12 | Prędkość obrotowa 1/min | 2900 | Średnica | Designed mm 138 |
| 13 | No. of Stage | 1 | | Min. mm 138 |
| 14 | Podłączenie Strona ssawna | DIN 2532 | Przepływ | Operating m³/h 90,1 |
| 15 | Podłączenie Strona tłoczna | DIN 2532 | | Max- m³/h 126 |
| 16 | Max Working Pressure bar | 10 | | Min- m³/h 42 |
| 17 | Shut-off head bar | 2,64 | Wysokość podnoszenia | Operating m 16,0 |
| 18 | Ciężar całkowity kg | See the table of "Dimensions". | | - (Qmax.) m 8,0 |
| 19 | Moc na wale kW | 5,31 | | - (Qmin.) m 23,8 |
| 20 | | | Max. Shaft Power at max. impeller | kW 5,26 |
| 21 | Wartość NPSH pompy m | 2,6 | Efficiency | % 72,7 |

Materials

| | | | | |
|----|-----------------|-----------|--|--|
| 22 | Wirnik | AISI 316L | | |
| 23 | korpus spiralny | AISI 304 | | |
| 24 | Wał | AISI 304 | | |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |

Silnik

| | | | | |
|----|-------------------------|-------------------------------------|-------------------------------|--------|
| 28 | Producent | EPE Standard | Klasa izolacji | F |
| 29 | Typ | TEFC_3M65-125/5.5_400_Three Phase | Fazy | 3~ |
| 30 | Wykonanie | IE3 / 50 Hz / Liczba par biegunów 1 | Wielkość | |
| 31 | Moc znamionowa kW | 5,5 | Ciężar | kg 0 |
| 32 | Liczba biegunów | 2 | Napięcie elektryczne | V 400 |
| 33 | Prędkość obrotowa 1/min | 2900 | Natężenie prądu elektrycznego | A 10,6 |
| 34 | Stopień ochrony | IP 55 | | |
| 35 | | | | |

Remarks

Charakterystyki

Nazwa pompy

3M 65-125/5.5

| | | |
|------------------|-------------------|-----------|
| Klient | Data 23-June-2020 | Firma |
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Requested data

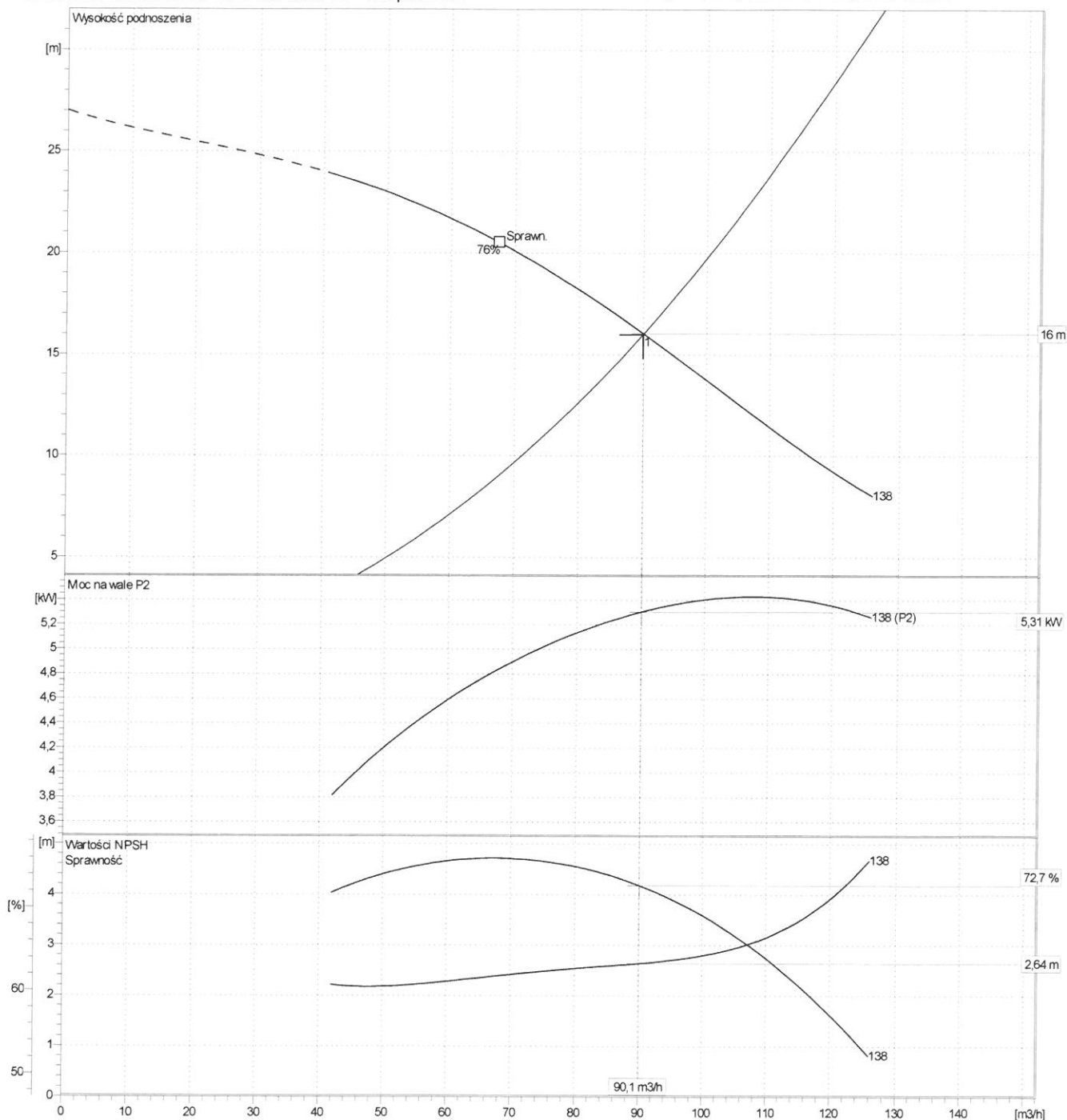
| | | | |
|---|-----------------------|-------------------|----|
| 1 | Przepływ | m ³ /h | 90 |
| 2 | Wy sokość podnoszenia | m | 16 |
| 3 | Wy sokość geodezy jna | m | 0 |

Pompa

| | | | | | |
|----------------|-------------------|------|-------------------|-------|------|
| Operating Flow | m ³ /h | 90,1 | Częstotliwość | Hz | 50 |
| Operating Head | m | 16,0 | Liczba biegunów | | 2 |
| Wimik Średnica | Designed mm | 138 | Prędkość obrotowa | 1/min | 2900 |

Standard testowania: ISO 9906:2012 - Stopień 3B

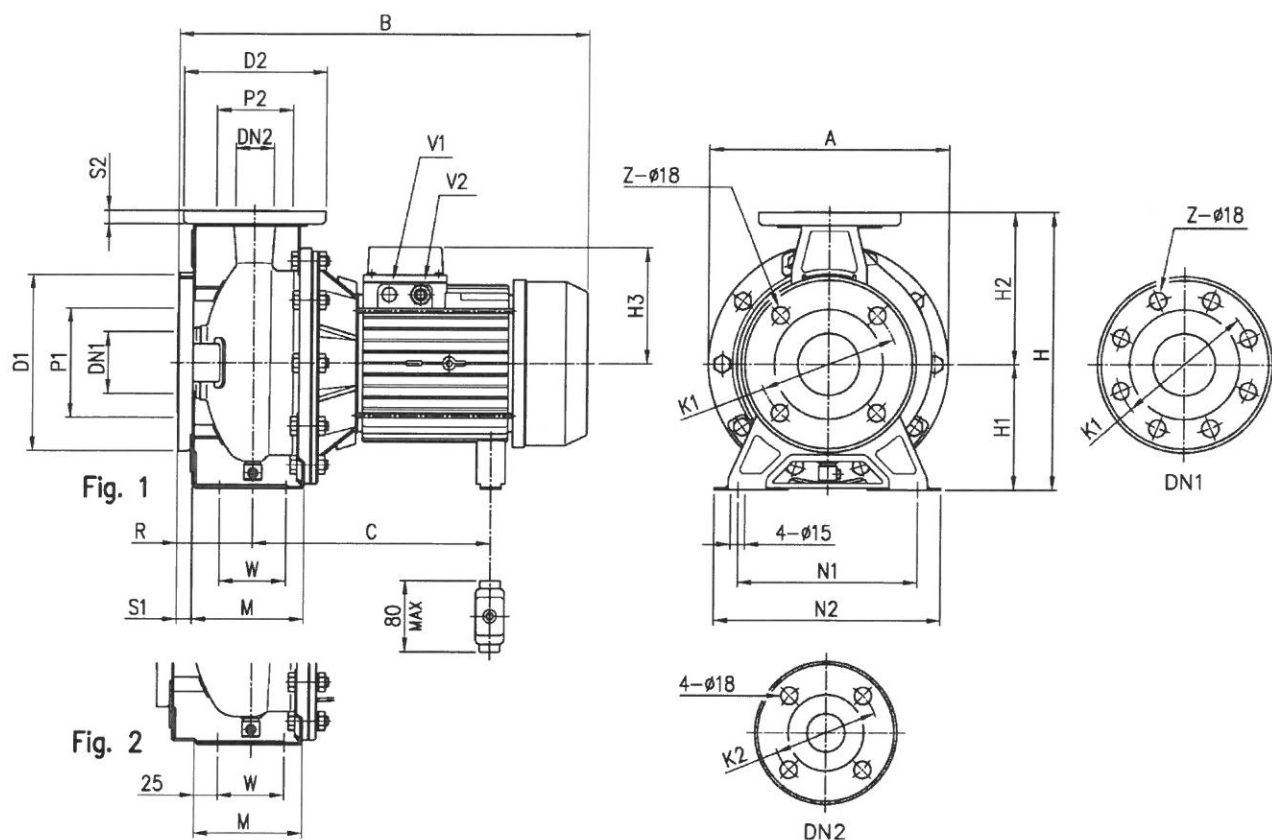
Woda, czysta [100%]; 20°C; 0,9983kg/dm³; 1mm²/s



Wymiary

Nazwa pompy 3M 65-125/5.5

| | | |
|------------------|-------------------|-----------|
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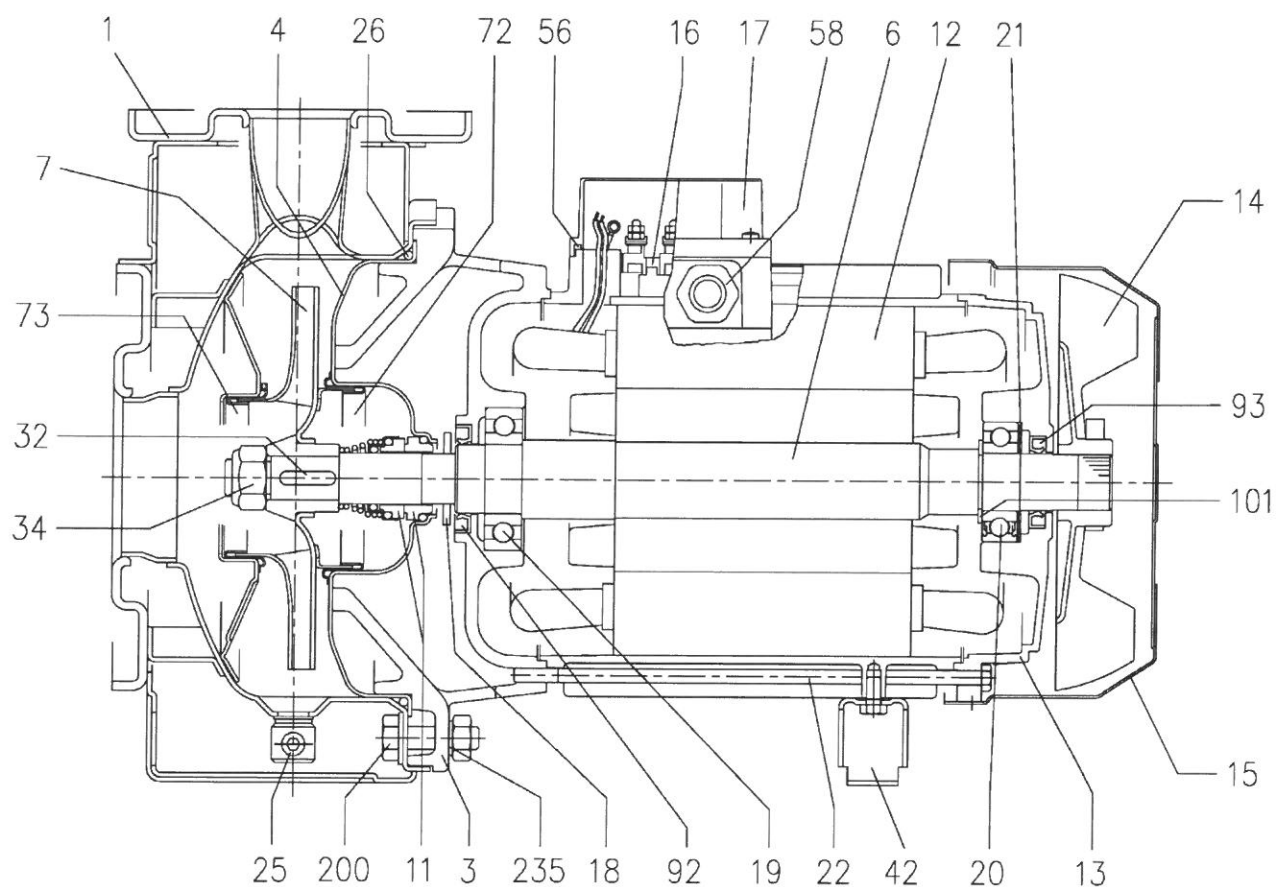


| Wymiary w | | mm | | | | | | | |
|-----------|---------|-----|------------|---------|----------|---|--|--|--|
| 1 | A | 254 | H1 | 160 | Z | 8 | | | |
| 2 | B | 539 | H2 | 180 | Z option | 4 | | | |
| 3 | C | 275 | H3 | 150 | | | | | |
| 4 | Dia D1 | 200 | M | 140 | | | | | |
| 5 | Dia D2 | 185 | N1 | 212 | | | | | |
| 6 | Dia DN1 | 80 | N2 | 280 | | | | | |
| 7 | Dia DN2 | 65 | R | 100 | | | | | |
| 8 | Dia K1 | 160 | S1 | 18 | | | | | |
| 9 | Dia K2 | 145 | S2 | 16 | | | | | |
| 10 | Dia P1 | 134 | V1 | M20X1.5 | | | | | |
| 11 | Dia P2 | 115 | V2 | PG 16 | | | | | |
| 12 | Fig | 2 | W | 95 | | | | | |
| 13 | H | 340 | Weight P&M | 48.7 kg | | | | | |

(1/3) Konstrukcja

Nazwa pompy 3M 65-125/5.5

| | | |
|------------------|-------------------|-----------|
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| Osoba kontaktowa | Nr Art. | Issued by |
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(2/3) Konstrukcja

Nazwa pompy 3M 65-125/5.5

| | | |
|------------------|-------------------|-----------|
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| E-mail | ID projektu | E-mail |

| Nº | PART NAME | | MATERIAL | | DIMENSIONS | STANDARD | Q.TY |
|-----|--|---|---|-----------------------|--|----------------------------|------|
| | | | 3M | 3LM | | | |
| 1 | Casing | | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | | | 1 |
| 3 | Motor bracket | | [9] | | | | 1 |
| 4 | Casing cover | | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | | | 1 |
| 6 | Shaft with rotor-Part in contact with liquid | | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | | | 1 |
| 7 | Impeller | | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | | | 1 |
| 11 | Mechanical seal | | Carbon/Ceramic/NBR | SiC/SiC/FPM | [8] | | 1 |
| 12 | Motor frame with stator | | - | | | | 1 |
| 13 | Motor cover | | Aluminium | | | | 1 |
| 14 | Fan | | PA | | | | 1 |
| 15 | Fan cover | | Fe P04 Galvanized | | | | 1 |
| 16 | Terminal | | - | | | | 1 |
| 17 | Terminal box cover | | Aluminium (three phase version) | | | | 1 |
| 18 | Splash ring | Up to 11 kW 15 kW and above | NBR | / | 40x21.5x3 50x29.5x3 | EBARA DRAWING | 1 |
| 19 | Bearing | | - | | See table p.324 | | 1 |
| 20 | Bearing | | - | | See table p.324 | | 1 |
| 21 | Adjusting ring | | Steel C70 | | | | 1 |
| 22 | Tie rod | Up to 3 kW For 4 - 5.5 - 7.5 kW 9.2 e 11kW | Fe 42 Galvanized | | M5 | EBARA DRAWING | 4 |
| | | M6 | | | | | |
| | | M8 | | | | | |
| 25 | Screw | 15 kW and above | Galvanized Steel 8.8 strenght class ISO 898-1 | | M10x40 | UNI 5739 | |
| 26 | Draing plug | | EN 1.4401 (AISI 316) / PTFE | | R 1/8" L=8 | DIN 906 | 1 |
| 26 | "O" ring | 32-125, 40-125 | NBR [7] | FPM | 158.11x5.34 | OR 6625 | 1 |
| | | 32-160, 40-160, 50-125 | | | 183.52x5.34 | OR 6720 | |
| | | 32-200, 40-200, 50-160, 50-200, 65-160, 65-200 | | | 227.96x5.34 | OR 6895 | |
| | | | | | | | |
| 32 | Key | Up to 11 kW 15 kW and above | EN 1.4401 (AISI 316) | | A 6x6x25 A 8x7x30 | UNI 6604 | 1 |
| 34 | Impeller nut | Up to 11kW 50-200/15 15 kW and above | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | M16x1.5 M18x1.5 M20x1.5 | UNI 7474 | 1 |
| | | | | | | | |
| | | | | | | | |
| 42 | Foot | | Aluminium / Galvanized steel | | | EBARA DRAWING | [1] |
| 56 | Box gasket | | NBR | | | | 1 |
| 58 | Fasting nut | | - | | | | [2] |
| 72 | Casing ring | [3] | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | | | 1 |
| 73 | Casing ring | | EN 1.4301 (AISI 304) | EN 1.4404 (AISI 316L) | | | 1 |
| 92 | Lip seal | Up to 3kW From 4 to 7.5 kW From 9.2 kW to 11 kW From 15 kW to 22 kW | - | - | 25x40x7 30x47X7 40x55x7 45x60x7 | DIN 3760 without spring | 1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 093 | Lip seal | Up to 4 kW From 5.5 kW to 7.5 kW From 9.2 kW to 11 kW From 15 kW to 22 kW | - | - | 25x40x7 30x47X7 40x55x7 45x60x7 | DIN 3760 without spring | 1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 101 | Snap ring (only 9.2 and 11kW) | | Carbon tool steels TC 80 | | Ø 40 | UNI 7435 | 1 |
| 200 | Screw | 32-125, 40-125 40-160, 40-200, 50-125, 50-160, 50-200, 65-125, 65-160, 65-200 | Stainless steel A2 70 class ISO 3506/1 | | M 8x30 | UNI 5739 | 8 |
| | | M 10x35 | | | [4] | | |
| | | | | | | | |
| 235 | Washer | 32-125, 40-125 40-160, 40-200, 50-125, 50-160, 50-200, 65-125, 65-160, 65-201 | EN 1.4301 (AISI 304) | | 8.4x17 10.5x21 | UNI 6592 | 8 |
| | | | | | [4] | | |
| | | | | | | | |
| 206 | Screw for bracket | [5] | Galvanized Steel 8.8 strenght class ISO 898-1 | | M 10x40 | UNI 5739 | 4 |
| 244 | Pin | [6] | - | | EN 1.4301 (AISI 304) 4x15 | | 1 |

[1] Quantity = 0 for 65-160/15

Quantity = 1 for 32-40-50 and 65 up to 11kW

Quantity = 2 for 65-200/15, 65-200/18.5, 65-200/22

[2] Quantity = 1 up to 11kW

Quantity = 2 from 15kW to 22kW

[3] For version 32-200/3, 32-200/4, 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] Quantity = 10 for 32-160, 40-160, 50-125, 65-125

Quantity = 12 for 32-200, 40-200, 50-160, 50-200, 65-160, 65-200

[5] For 15kW and above

[6] Only for 65-160/15 and 65-200

[7] FPM for H-HS-HW-HSW version

EPDM for E version, Q1AEGG, Q1Q1EGG, Q1U3EGG, U3CEGG, U3U3EGG (U3U3EGG not available for model 65-160/15 and 65-200)

[8] Special version: see CONSTRUCTION 3

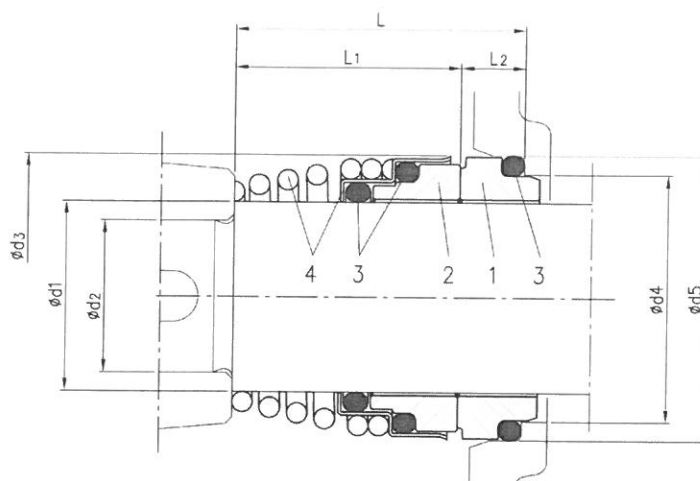
[9] Cast iron EN-GJL-200-EN 1561 for 32-200/3 and models with 15, 18.5, 22 kW motor

Aluminum AL-EN-1706-AC-46000-D for all the others.

(3/3) Konstrukcja

Nazwa pompy 3M 65-125/5.5

| | | |
|------------------|-------------------|-----------|
| Klient | Data 23-June-2020 | Firma |
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| Version | Pump type | Dimensions | | | | | | | | Material | | | |
|----------|-------------------|------------|----|----|----|----|------|------|----|------------------------------|--------------------------|-------------|-------------------------|
| | | d1 | d2 | d3 | d4 | d5 | L | L1 | L2 | 1 Stationary seal ring | 2 Rotary seal ring | 3 Rubber | 4 Frame + Spring |
| Standard | 32-125/160/200 | | | | | | | | | | | | |
| | 40-125/160/200 | | | | | | | | | | | | |
| | 50-125/160/200 | | | | | | | | | | | | |
| | 65-125 | 22 | 19 | 38 | 31 | 37 | 37.5 | 27.5 | 10 | Carbon | Ceramic | NBR | EN 1.4401 (AISI 316) |
| | 65-160/7.5-9.2-11 | | | | | | | | | | | | |
| | 65-160/15 | 30 | 24 | 46 | 39 | 45 | 42.5 | 32.5 | 10 | | | | |
| | 65-200 | | | | | | | | | | | | |