

## POe MEGA, POe

### Pompy obiegowe sterowane elektronicznie



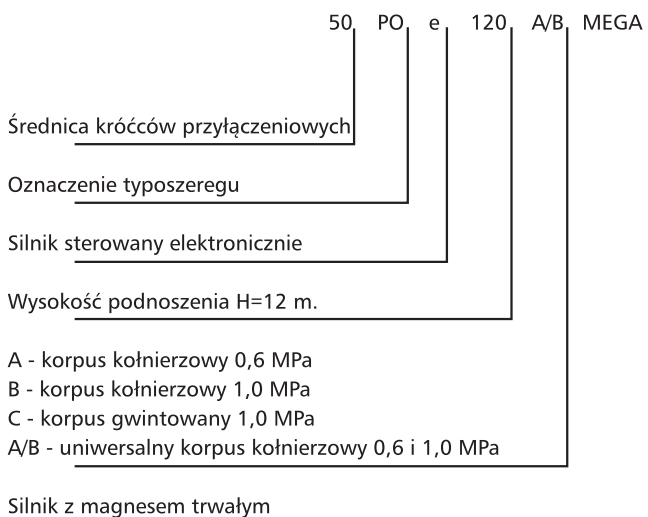
#### PRZEZNACZENIE

Pompy POe MEGA przeznaczone są do przetłaczania wody czystej uzdatnionej w instalacjach centralnego ogrzewania, przemysłowych instalacjach ciepłych i instalacjach wentylacyjnych oraz do pompowania cieczy nieagresywnych, niewybuchowych, o niskiej lepkości kinematycznej do 10cSt, pozbawionych ciał stałych, włóknistych, cieczy chłodzących, niezawierających olejów mineralnych.

#### ZAKRES UŻYTKOWANIA

|                       |                         |
|-----------------------|-------------------------|
| Wydajność             | do 90 m <sup>3</sup> /h |
| Wysokość podnoszenia  | do 12 m                 |
| Ciśnienie robocze     | 1,0 MPa                 |
| Średnica przyłączy    | 25 do 100 mm            |
| Temperatura czynnika  | 2 do 95°C               |
| Klasa TF              | 110                     |
| Temperatura otoczenia | do 40°C                 |

#### KLUCZ OZNACZEŃ



#### ZASTOSOWANIE

Elektroniczne pompy obiegowe stosowane do pompowania cieczy o zmiennym przepływie, gdzie wymagane jest optymalne ustawienie punktu pracy pompy.

#### CECHY KONSTRUKCYJNE

##### część hydrauliczna

- pompa bezdławnicowa z mokrym wirnikiem silnika,
- żeliwny korpus z króćcami kołnierzowymi o jednakowej średnicy,
- przyłącza kołnierzowe lub gwintowane

##### silnik

- typu "mokrego",
- wał ze stali nierdzewnej,
- obudowa silnika ze stopu aluminium,
- łożyska: ceramiczne oporowe i węglowe osiowe,
- zabezpieczony przed przeciążeniami.

##### pompy POe MEGA

- z magnesem trwałym

##### pompy POe

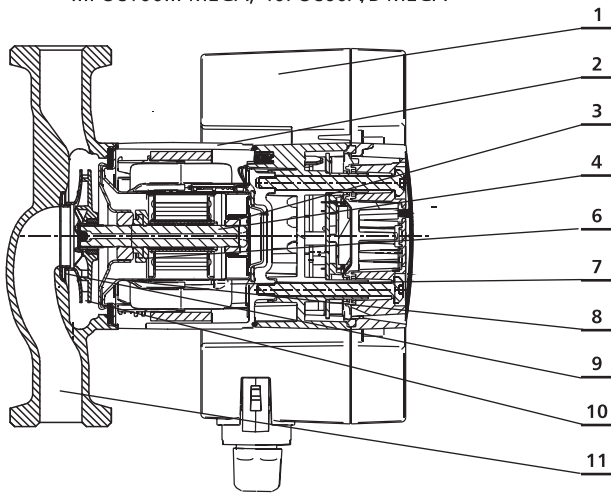
- prędkość obrotowa regulowana przetwornicą częstotliwości,
- z czujnikiem temperatury.

#### ZALETY

- niskie zużycie energii - klasa energetyczna A
- funkcja AUTO zapewniająca dodatkowe oszczędności energii,
- samoregulacja,
- brak konieczności obsługi,
- zbędne zewnętrzne zabezpieczenie silnika,
- płynna regulacja prędkości obrotowej,
- możliwość zdalnego sterowania - regulacji pracy,
- wysoka jakość wykonania,
- łatwość instalacji i uruchomienia.

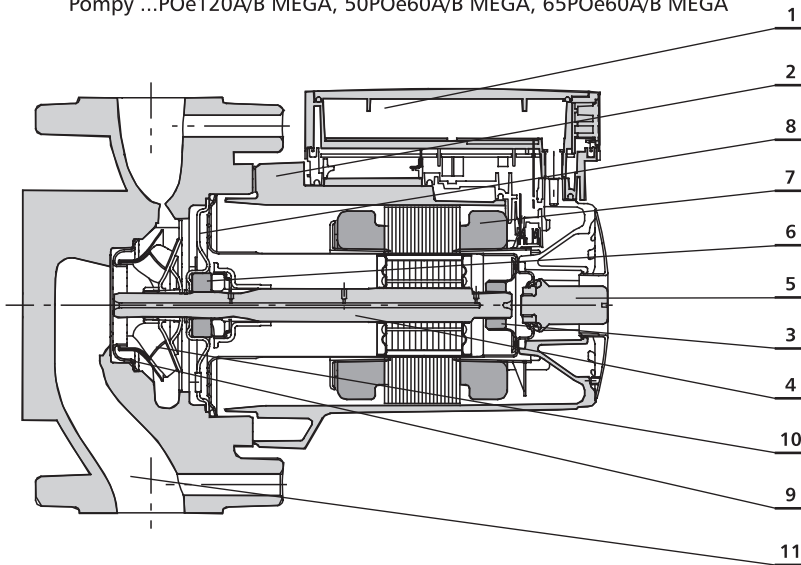
BUDOWA

Pompy ...POe40C MEGA, ...POe60C MEGA, ...POe80... MEGA,  
...POe100... MEGA, 40POe60A/B MEGA

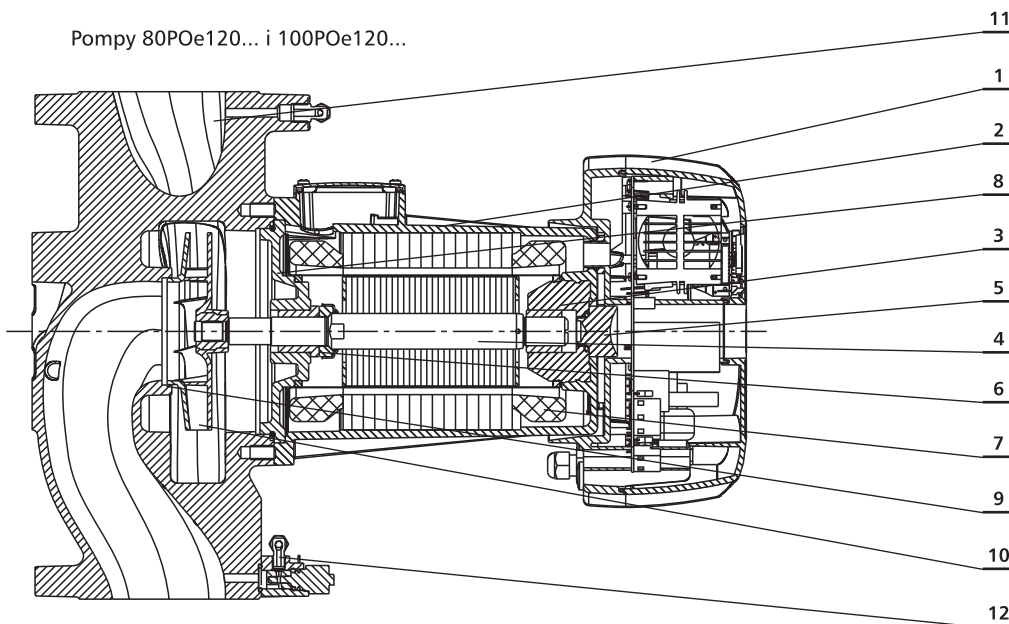


- 1. Skrzynka zaciskowa
- 2. Obudowa silnika
- 3. Pierścień łożyskowy
- 4. Wał pompy
- 5. Korek odpowietrzający
- 6. Łożysko oporowe
- 7. Uzwojenie stojana
- 8. Tarcza łożyskowa
- 9. Pierścień labiryntu
- 10. Wirnik pompy
- 11. Korpus pompy
- 12. Przetwornik pomiaru różnicy ciśnienia i temperatury

Pompy ...POe120A/B MEGA, 50POe60A/B MEGA, 65POe60A/B MEGA



Pompy 80POe120... i 100POe120...



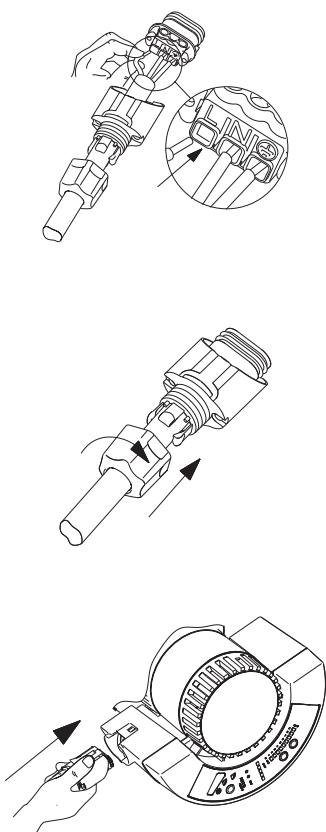
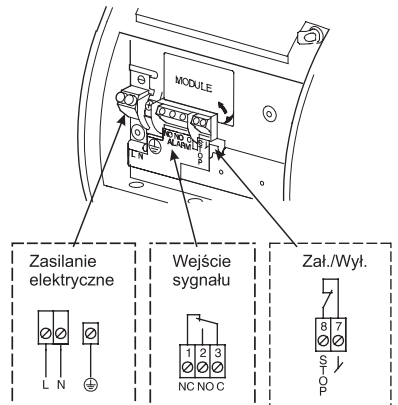
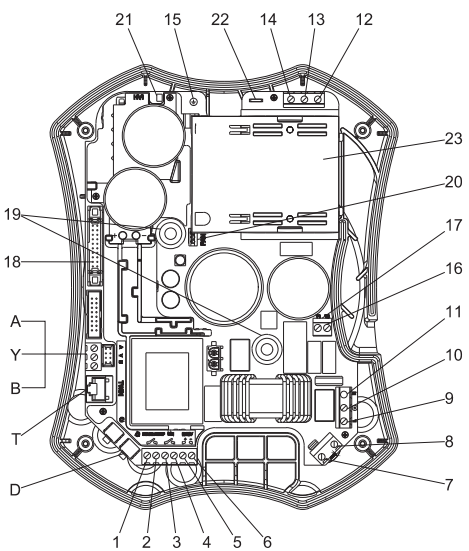
### MINIMALNE CIŚNIENIE NAPŁYWU

| Minimalne ciśnienie napływu, które należy zapewnić po stronie ssawnej pompy wynosi:        |                          |                          |
|--|--------------------------|--------------------------|
|  | - przy temperaturze 75°C | - przy temperaturze 95°C |
| Pompy ...POe40C MEGA, ...POe60C MEGA, ...POe80... MEGA, ...POe100... MEGA, 40POe60A/B MEGA | 1,0 m                    | 3,5 m                    |
| Pompy ...POe120A/B MEGA, 50POe60A/B MEGA, 65POe60A/B MEGA                                  | 9,0 m                    | 12,0 m                   |
| Pompy 80POe120... i 100POe120...   | 5,0 m                    | 10,0 m                   |

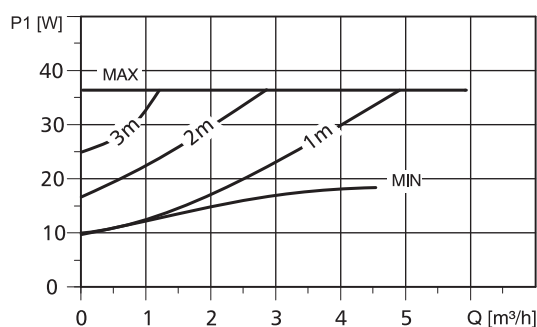
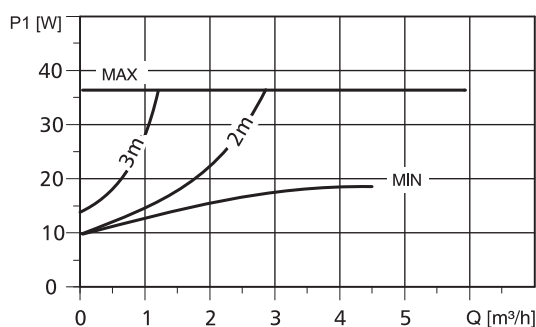
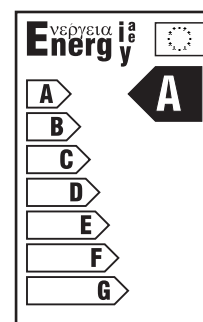
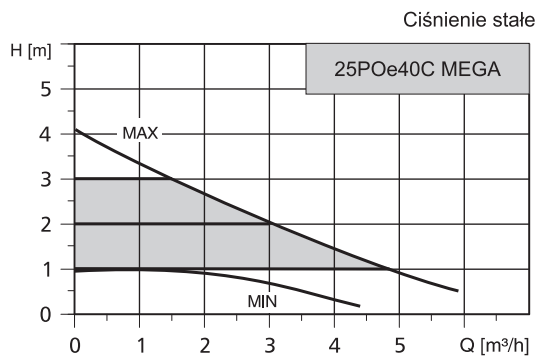
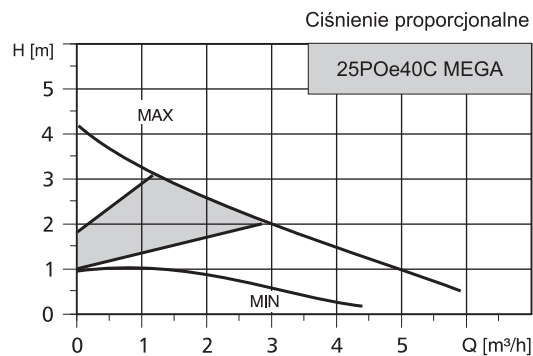
### DANE ELEKTRYCZNE

|                          |                        |
|--------------------------|------------------------|
| Napięcie                 | 1~230-240 V            |
| Stopień ochrony          | IP 44                  |
| Klasa izolacji           | F (H dla pomp AZ i BZ) |
| Poziom natężenia dźwięku | do 38 dB(A)            |

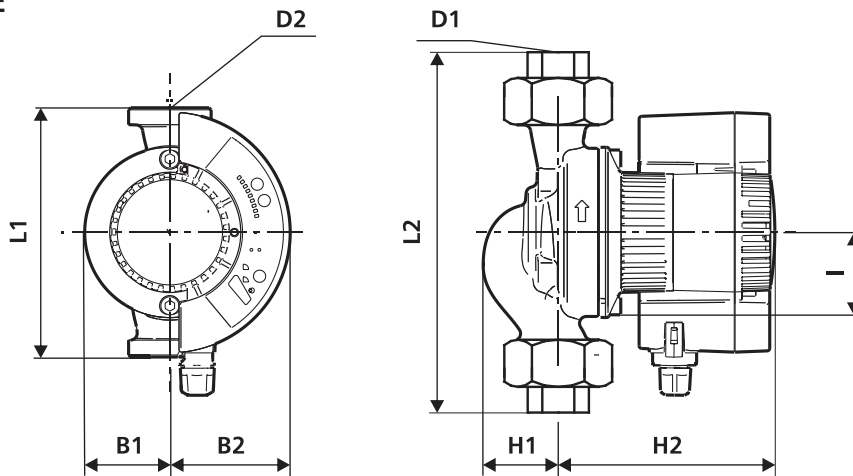
Schematy podłączeń elektrycznych:

| <p>Pompy ...POe40C MEGA,<br/>...POe60C MEGA,<br/>...POe80... MEGA,<br/>...POe100... MEGA,<br/>40POe60A/B MEGA</p>  | <p>Pompy ...POe120A/B MEGA,<br/>50POe60A/B MEGA,<br/>65POe60A/B MEGA</p>  <p>Zasilanie elektryczne<br/>L N ⊕</p> <p>Wejście sygnału<br/>1 2 3<br/>⊕ NC NO C</p> <p>Zat./Wyt.<br/>8 7<br/>STOP</p> | <p>Pompy 80POe120...,<br/>100POe120...</p>  <table border="1"> <thead> <tr> <th>Pozycja</th> <th>opis zacisku</th> </tr> </thead> <tbody> <tr> <td>A, Y, B</td> <td>komunikacja GENibus</td> </tr> <tr> <td>T</td> <td>praca dwugłowicowa</td> </tr> <tr> <td>D</td> <td>przetwornik ciśnienia i temperatury</td> </tr> <tr> <td>1,2 (START/STOP)</td> <td>zewnętrzny sygnał zał/wył (podłączyć jedynie styki bezpotencjałowe)</td> </tr> <tr> <td>3,4 (MIN.)</td> <td>tryb charakterystyki MIIN (podłączyć jedynie styki bezpotencjałowe)</td> </tr> <tr> <td>5,6 (0-10V)</td> <td>sygnał analogowy 0-10V<br/>zacisk 5=+10V, 6=0V</td> </tr> <tr> <td>7,8 (ALARM)</td> <td>zewnętrzna sygnalizacja alarmu<br/>maks obciążenie styku: 250VAC, 5A</td> </tr> <tr> <td>9,10,11</td> <td>podłączenie zasilania 1x230V<br/>zacisk 9=faza, 10=uziemiennie, 11=biegun neutralny</td> </tr> <tr> <td>12,13,14</td> <td>podłączenie przewodów silnika<br/>zacisk 12=brązowy, 13=szary, 14=czarny uziemiający silnik</td> </tr> <tr> <td>15</td> <td>podłączenie zabezpieczenia silnika</td> </tr> <tr> <td>16,17</td> <td>biały przewód (T1, T2)</td> </tr> <tr> <td>18</td> <td>listwa do panelu sterującego</td> </tr> <tr> <td>19</td> <td>śruba mocująca panel sterujący</td> </tr> <tr> <td>20</td> <td>podłączenie wentylatora</td> </tr> <tr> <td>21</td> <td>lampka sygnalizująca wysokie napięcie</td> </tr> <tr> <td>22</td> <td>ekranowanie przewodu silnikowego</td> </tr> <tr> <td>23</td> <td>wentylator</td> </tr> </tbody> </table> | Pozycja | opis zacisku | A, Y, B | komunikacja GENibus | T | praca dwugłowicowa | D | przetwornik ciśnienia i temperatury | 1,2 (START/STOP) | zewnętrzny sygnał zał/wył (podłączyć jedynie styki bezpotencjałowe) | 3,4 (MIN.) | tryb charakterystyki MIIN (podłączyć jedynie styki bezpotencjałowe) | 5,6 (0-10V) | sygnał analogowy 0-10V<br>zacisk 5=+10V, 6=0V | 7,8 (ALARM) | zewnętrzna sygnalizacja alarmu<br>maks obciążenie styku: 250VAC, 5A | 9,10,11 | podłączenie zasilania 1x230V<br>zacisk 9=faza, 10=uziemiennie, 11=biegun neutralny | 12,13,14 | podłączenie przewodów silnika<br>zacisk 12=brązowy, 13=szary, 14=czarny uziemiający silnik | 15 | podłączenie zabezpieczenia silnika | 16,17 | biały przewód (T1, T2) | 18 | listwa do panelu sterującego | 19 | śruba mocująca panel sterujący | 20 | podłączenie wentylatora | 21 | lampka sygnalizująca wysokie napięcie | 22 | ekranowanie przewodu silnikowego | 23 | wentylator |
|---|--|--|---------|--------------|---------|---------------------|---|--------------------|---|-------------------------------------|------------------|---|------------|---|-------------|---|-------------|---|---------|--|----------|--|----|------------------------------------|-------|------------------------|----|------------------------------|----|--------------------------------|----|-------------------------|----|---------------------------------------|----|----------------------------------|----|------------|
| Pozycja   | opis zacisku   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| A, Y, B   | komunikacja GENibus  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| T   | praca dwugłowicowa   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| D   | przetwornik ciśnienia i temperatury  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 1,2 (START/STOP)  | zewnętrzny sygnał zał/wył (podłączyć jedynie styki bezpotencjałowe)  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 3,4 (MIN.)  | tryb charakterystyki MIIN (podłączyć jedynie styki bezpotencjałowe)  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 5,6 (0-10V)   | sygnał analogowy 0-10V<br>zacisk 5=+10V, 6=0V  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 7,8 (ALARM)   | zewnętrzna sygnalizacja alarmu<br>maks obciążenie styku: 250VAC, 5A  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 9,10,11   | podłączenie zasilania 1x230V<br>zacisk 9=faza, 10=uziemiennie, 11=biegun neutralny   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 12,13,14  | podłączenie przewodów silnika<br>zacisk 12=brązowy, 13=szary, 14=czarny uziemiający silnik   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 15  | podłączenie zabezpieczenia silnika   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 16,17   | biały przewód (T1, T2)   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 18  | listwa do panelu sterującego   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 19  | śruba mocująca panel sterujący   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 20  | podłączenie wentylatora  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 21  | lampka sygnalizująca wysokie napięcie  |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 22  | ekranowanie przewodu silnikowego   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |
| 23  | wentylator   |  |         |              |         |                     |   |                    |   |                                     |                  |   |            |   |             |   |             |   |         |  |          |  |    |                                    |       |                        |    |                              |    |                                |    |                         |    |                                       |    |                                  |    |            |

### CHARAKTERYSTYKA



### DANE MONTAŻOWE



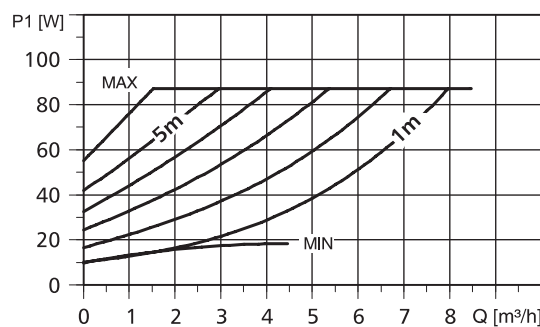
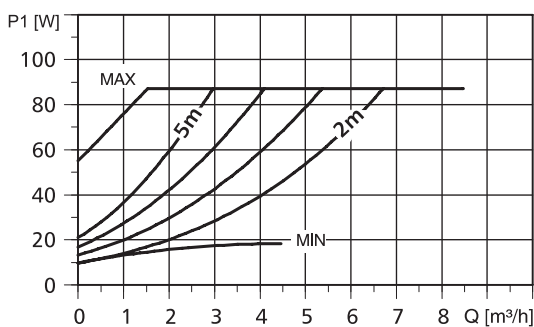
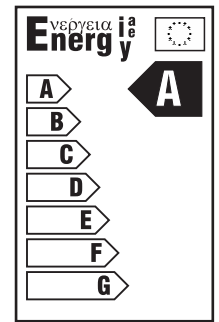
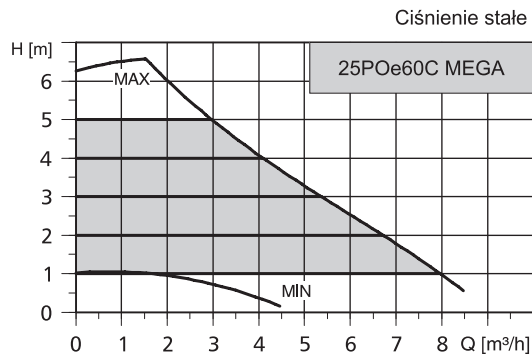
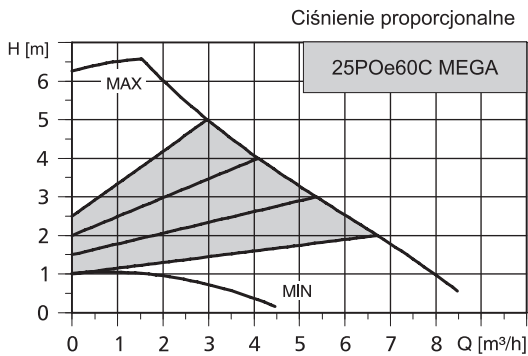
| TYP POMPY     | Wymiary [mm] |     |    |    |    |    |     |    |     | Masa [kg] |
|---------------|--------------|-----|----|----|----|----|-----|----|-----|-----------|
|               | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1 | D2  |           |
| 25POe40C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1" | 1½" | 5,3       |

### DANE ELEKTRYCZNE

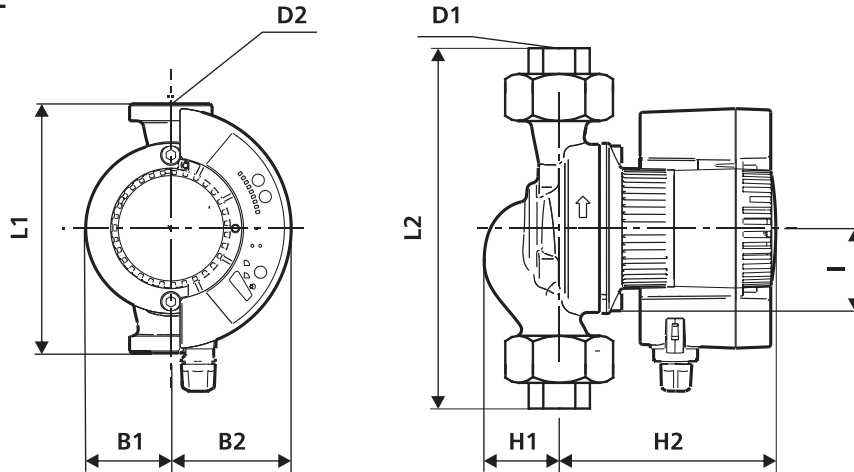
| TYP POMPY     | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|---------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|               |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 25POe40C MEGA | 1~230-240     | 10                 | 37  | 0,09               | 0,28 | F              | IP 44           |



#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

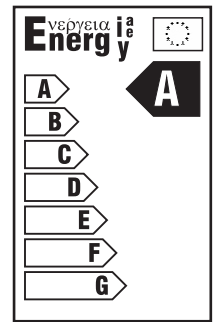
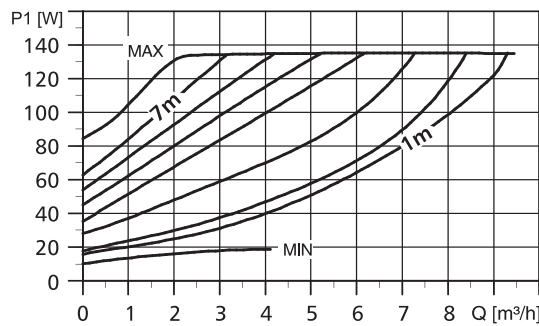
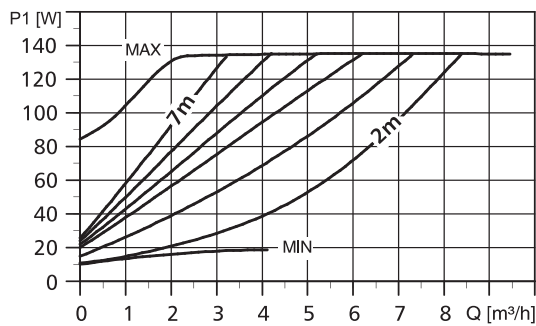
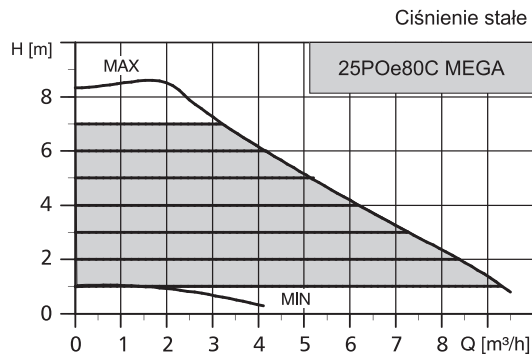
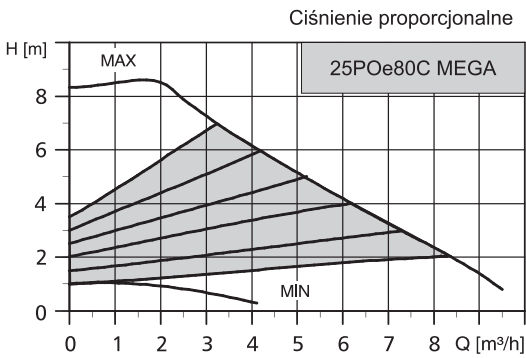


| TYP POMPY     | Wymiary [mm] |     |    |    |    |    |     |    |        | Masa [kg] |
|---------------|--------------|-----|----|----|----|----|-----|----|--------|-----------|
|               | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1 | D2     |           |
| 25POe60C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1" | 1 1/2" | 5,3       |

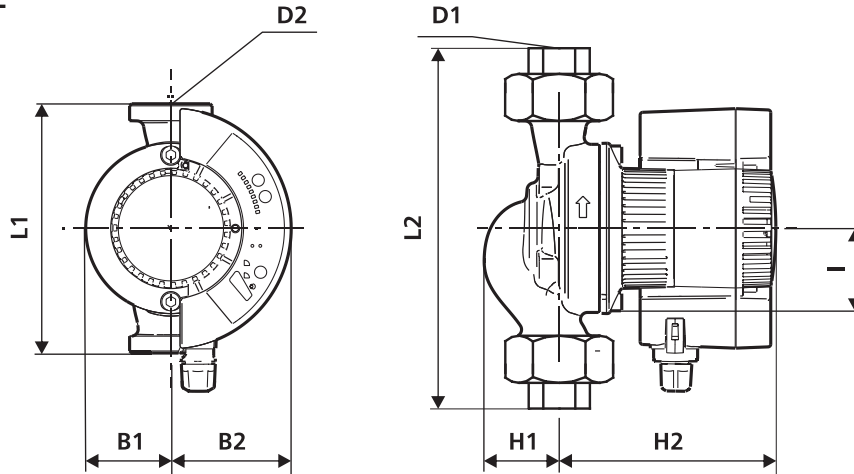
#### DANE ELEKTRYCZNE

| TYP POMPY     | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|---------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|               |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 25POe60C MEGA | 1~230-240     | 10                 | 85  | 0,09               | 0,60 | F              | IP 44           |

CHARAKTERYSTYKA



DANE MONTAŻOWE



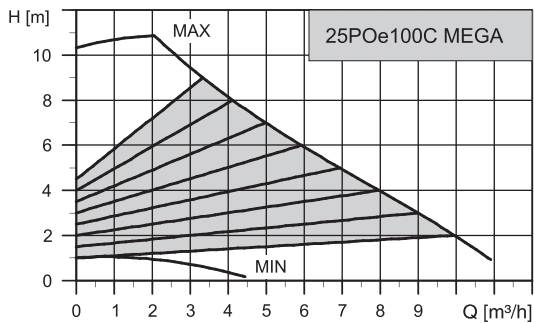
| TYP POMPY     | Wymiary [mm] |     |    |    |    |    |     |    |        | Masa [kg] |
|---------------|--------------|-----|----|----|----|----|-----|----|--------|-----------|
|               | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1 | D2     |           |
| 25POe80C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1" | 1 1/2" | 5,3       |

DANE ELEKTRYCZNE

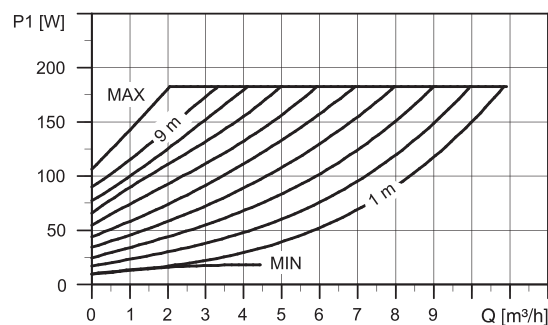
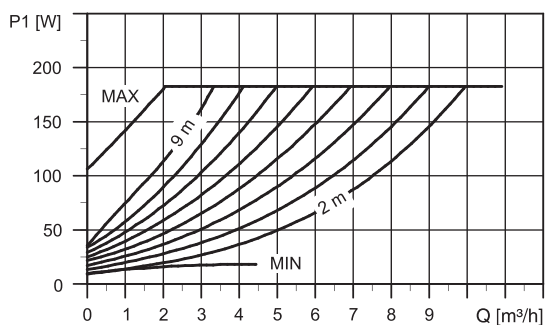
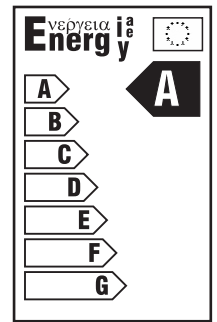
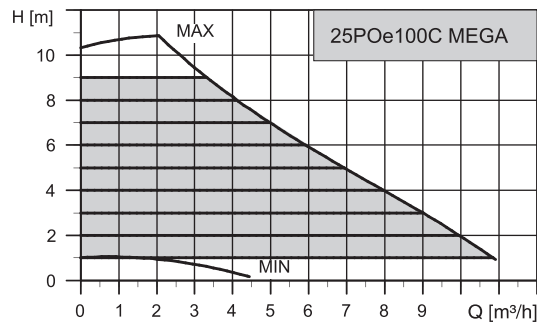
| TYP POMPY     | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|---------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|               |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 25POe80C MEGA | 1~230-240     | 10                 | 140 | 0,10               | 0,98 | F              | IP 44           |

## CHARAKTERYSTYKA

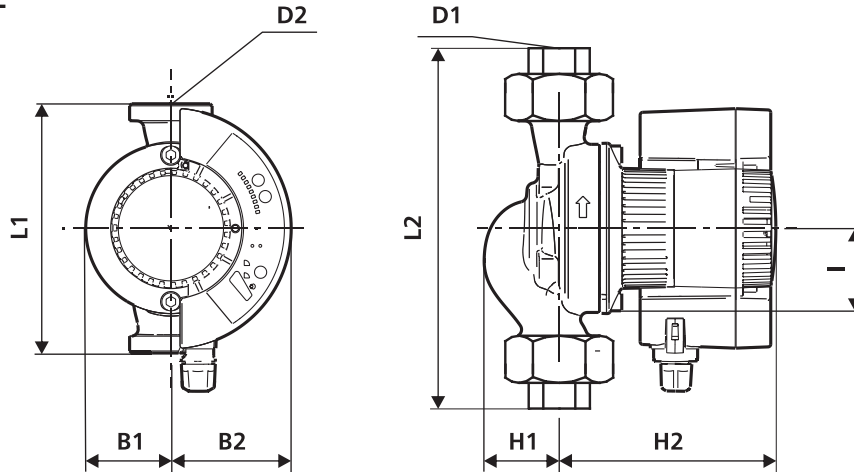
Ciśnienie proporcjonalne



Ciśnienie stałe



## DANE MONTAŻOWE

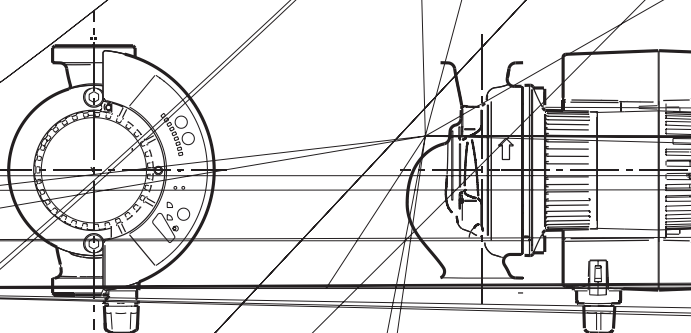
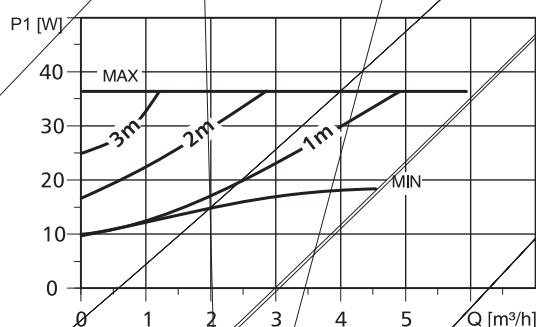
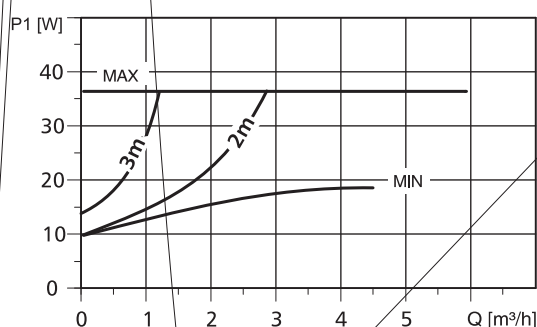
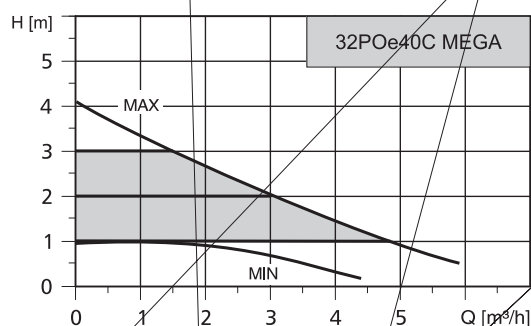
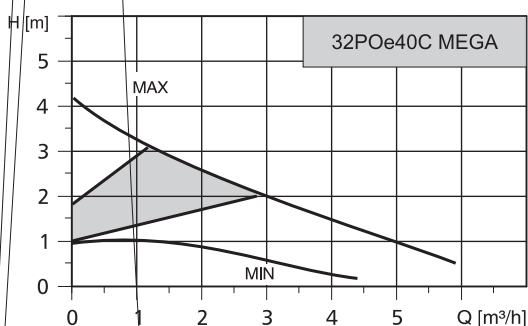


| TYP POMPY      | Wymiary [mm] |     |    |    |    |    |     |    |        | Masa [kg] |
|----------------|--------------|-----|----|----|----|----|-----|----|--------|-----------|
|                | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1 | D2     |           |
| 25POe100C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1" | 1 1/2" | 5,4       |

## DANE ELEKTRYCZNE

| TYP POMPY      | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|----------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 25POe100C MEGA | 1~230-240     | 10                 | 185 | 0,09               | 1,25 | F              | IP 44           |

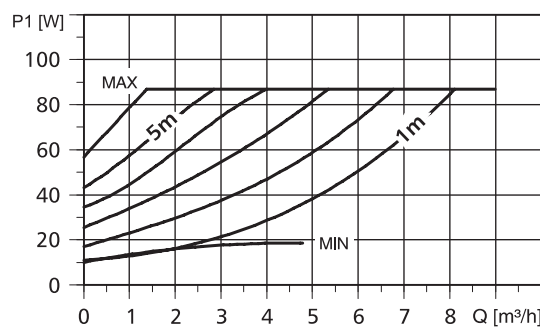
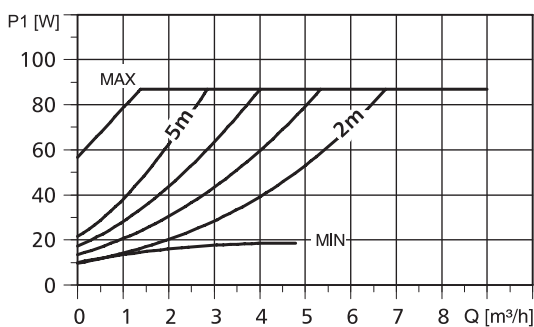
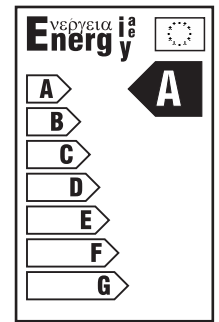
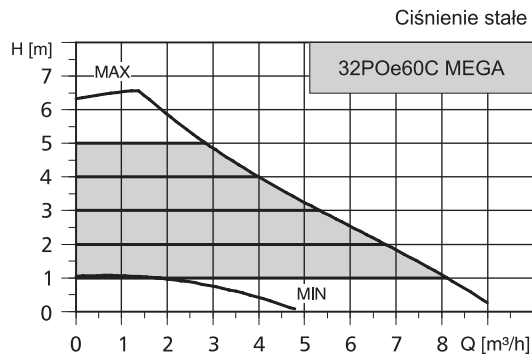
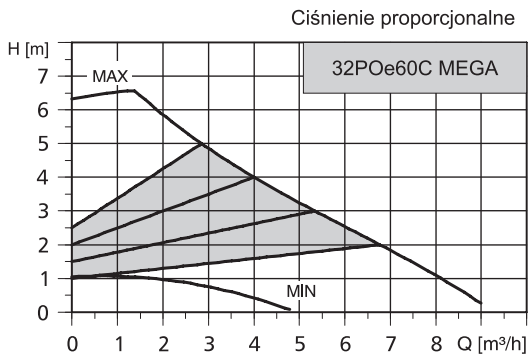
## POMPY OBIEGOWE I CYRKULACYJNE



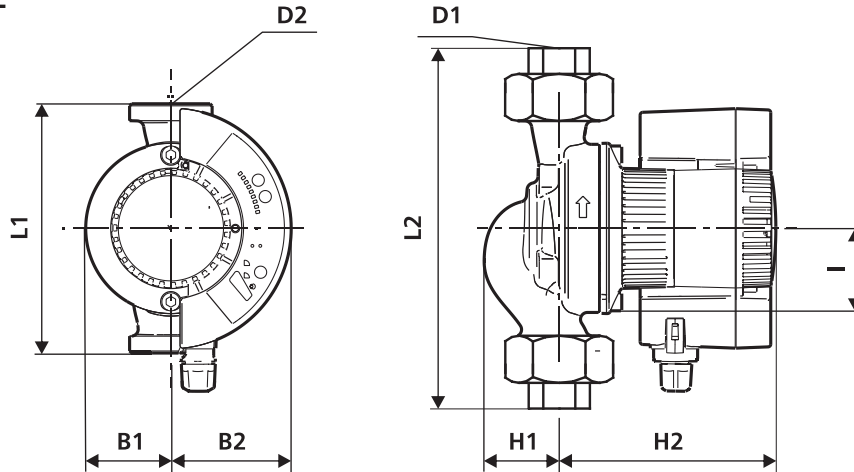
| TYP POMPY     | Wymiary [mm] |     |    |    |    |    |     |        |    | Masa [kg] |
|---------------|--------------|-----|----|----|----|----|-----|--------|----|-----------|
|               | L1           | L2  | I  | B1 | B2 | H1 | H2  | D1     | D2 |           |
| 32POe40C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1 1/2" | 2" | 5,5       |

| TYP POMPY     | ZASILANIE [V] | $P_1$ [W] |     | $I_n$ [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|---------------|---------------|-----------|-----|-----------|------|----------------|-----------------|
|               |               | MIN       | MAX | MIN       | MAX  |                |                 |
| 32POe40C MEGA | 1~230-240     | 10        | 37  | 0,09      | 0,28 | F              | IP 44           |

#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

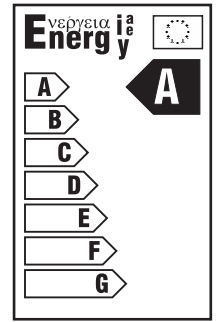
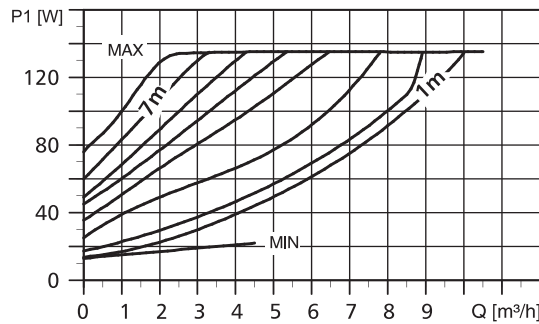
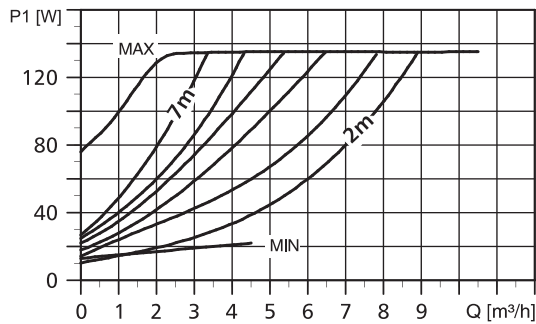
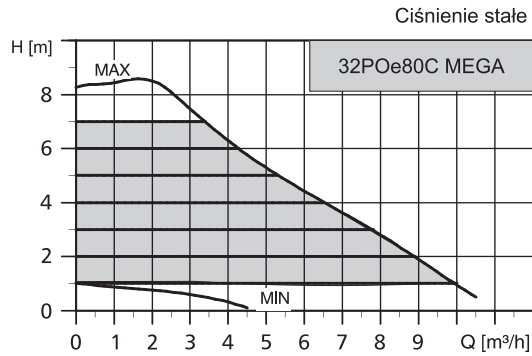
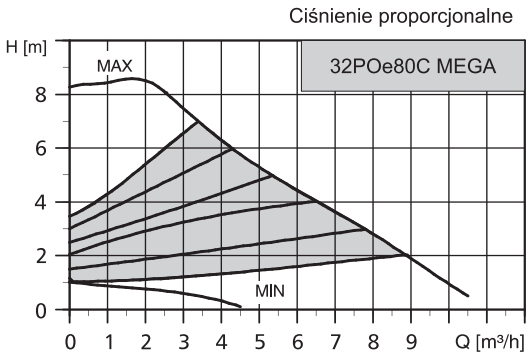


| TYP POMPY     | Wymiary [mm] |     |    |    |    |    |     |        |    | Masa [kg] |
|---------------|--------------|-----|----|----|----|----|-----|--------|----|-----------|
|               | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1     | D2 |           |
| 32POe60C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1 1/4" | 2" | 5,5       |

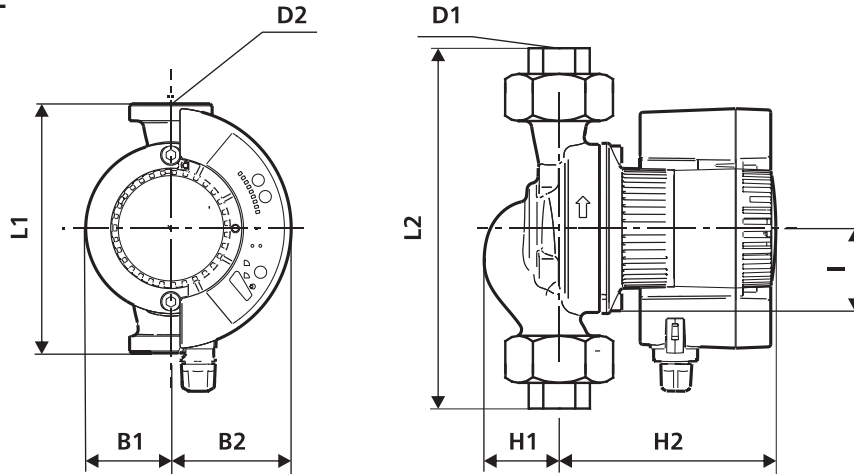
#### DANE ELEKTRYCZNE

| TYP POMPY     | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|---------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|               |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 32POe60C MEGA | 1~230-240     | 10                 | 85  | 0,09               | 0,60 | F              | IP 44           |

CHARAKTERYSTYKA



DANE MONTAŻOWE

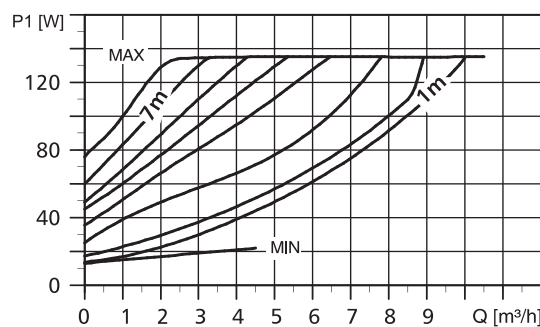
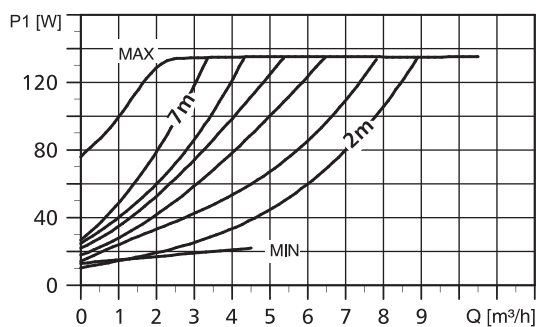
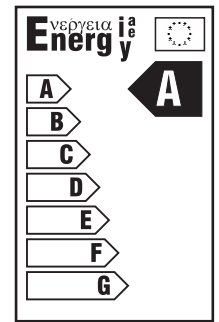
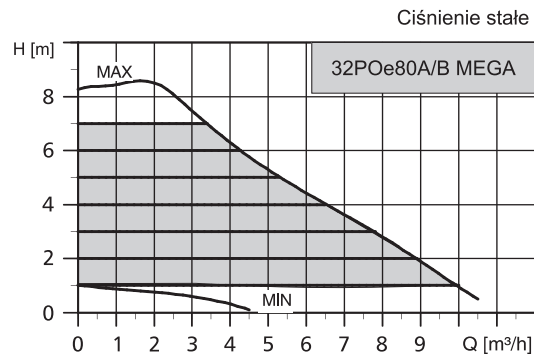
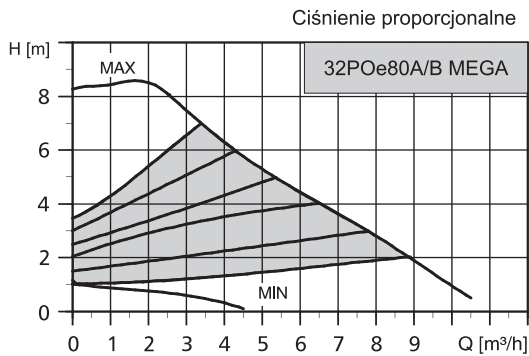


| TYP POMPY     | Wymiary [mm] |     |    |    |    |    |     |        |    | Masa [kg] |
|---------------|--------------|-----|----|----|----|----|-----|--------|----|-----------|
|               | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1     | D2 |           |
| 32POe80C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1 1/4" | 2" | 5,5       |

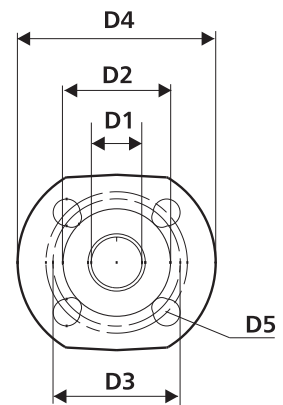
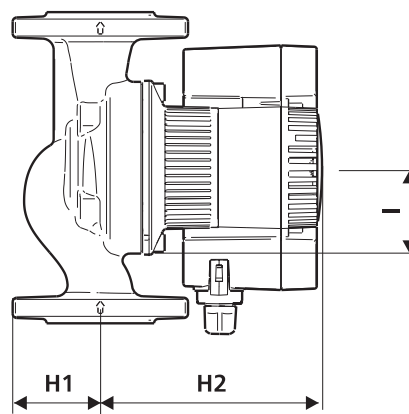
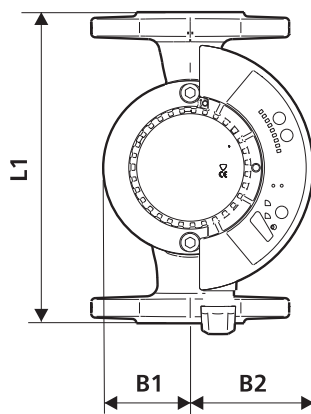
DANE ELEKTRYCZNE

| TYP POMPY     | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|---------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|               |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 32POe80C MEGA | 1~230-240     | 10                 | 140 | 0,11               | 1,01 | F              | IP 44           |

#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE



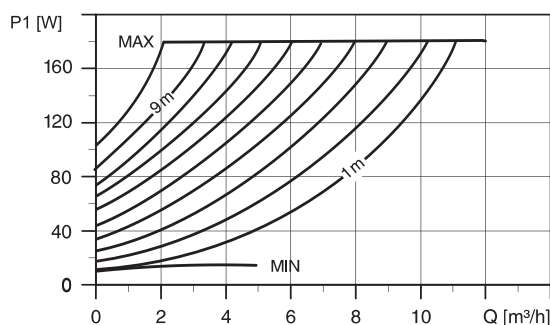
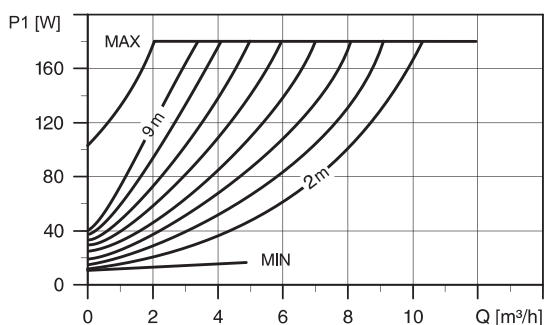
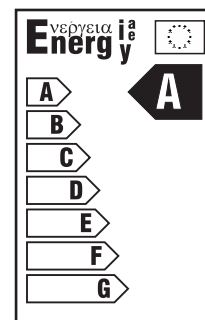
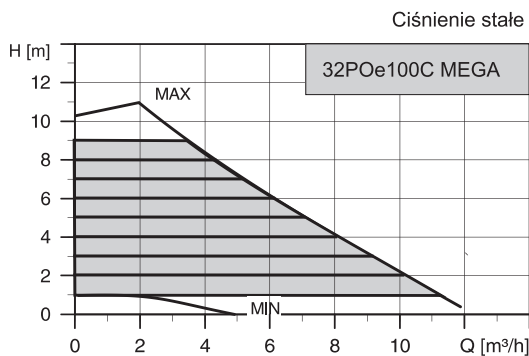
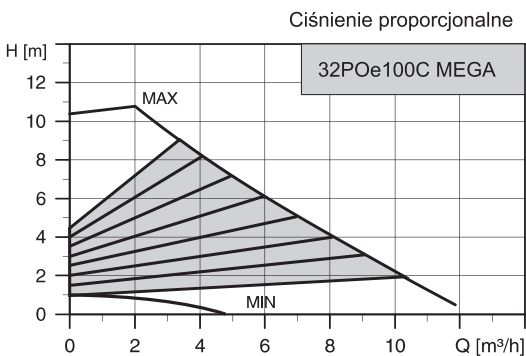
| TYP POMPY       | Wymiary [mm] |    |    |    |    |     |    |    |        |     |    | Masa [kg] |
|-----------------|--------------|----|----|----|----|-----|----|----|--------|-----|----|-----------|
|                 | L1           | I  | B1 | B2 | H1 | H2  | D1 | D2 | D3     | D4  | D5 |           |
| 32POe80A/B MEGA | 220          | 62 | 62 | 87 | 54 | 157 | 32 | 76 | 90/100 | 140 | 19 | 8,2       |

#### DANE ELEKTRYCZNE

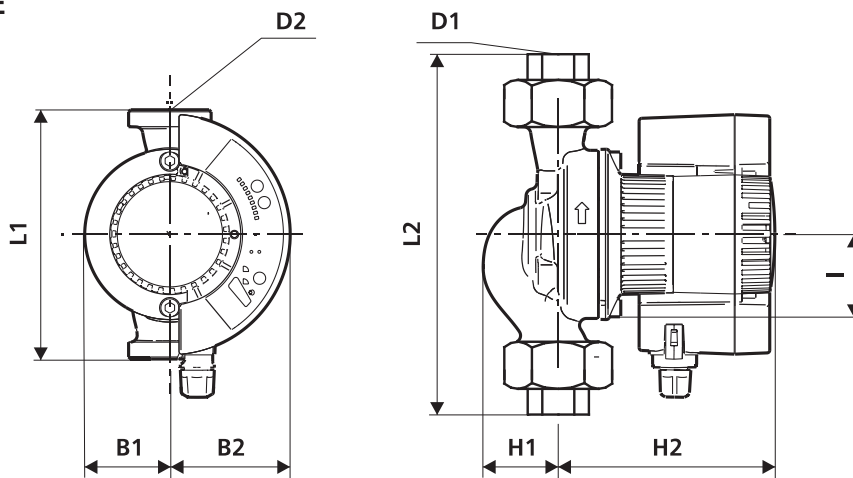
| TYP POMPY       | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|-----------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                 |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 32POe80A/B MEGA | 1~230-240     | 10                 | 140 | 0,11               | 1,01 | F              | IP 44           |



CHARAKTERYSTYKA



DANE MONTAŻOWE

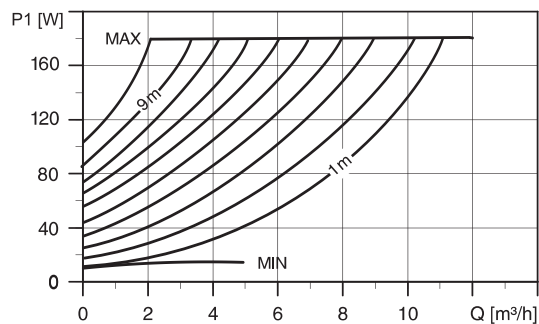
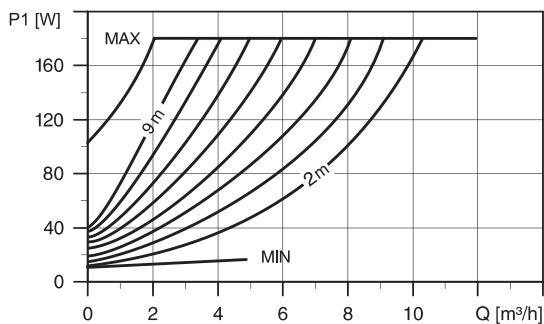
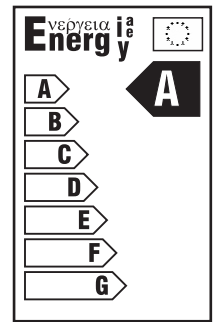
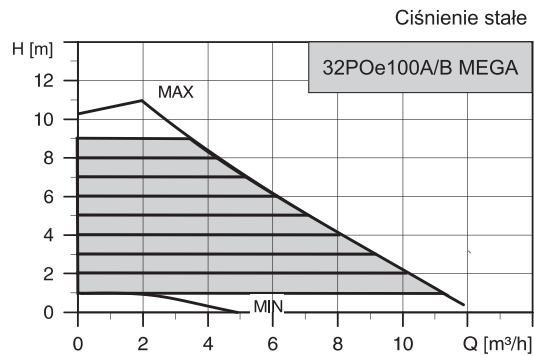
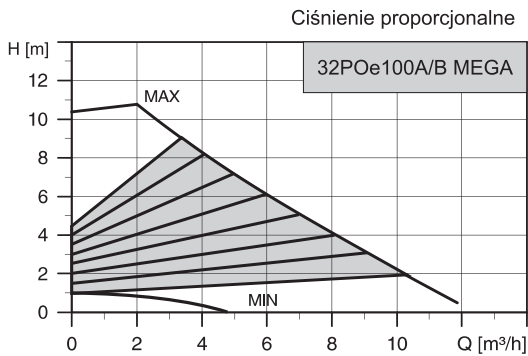


| TYP POMPY      | Wymiary [mm] |     |    |    |    |    |     |        |    | Masa [kg] |
|----------------|--------------|-----|----|----|----|----|-----|--------|----|-----------|
|                | L1           | L2  | l  | B1 | B2 | H1 | H2  | D1     | D2 |           |
| 32POe100C MEGA | 180          | 236 | 62 | 62 | 87 | 54 | 157 | 1 1/4" | 2" | 5,6       |

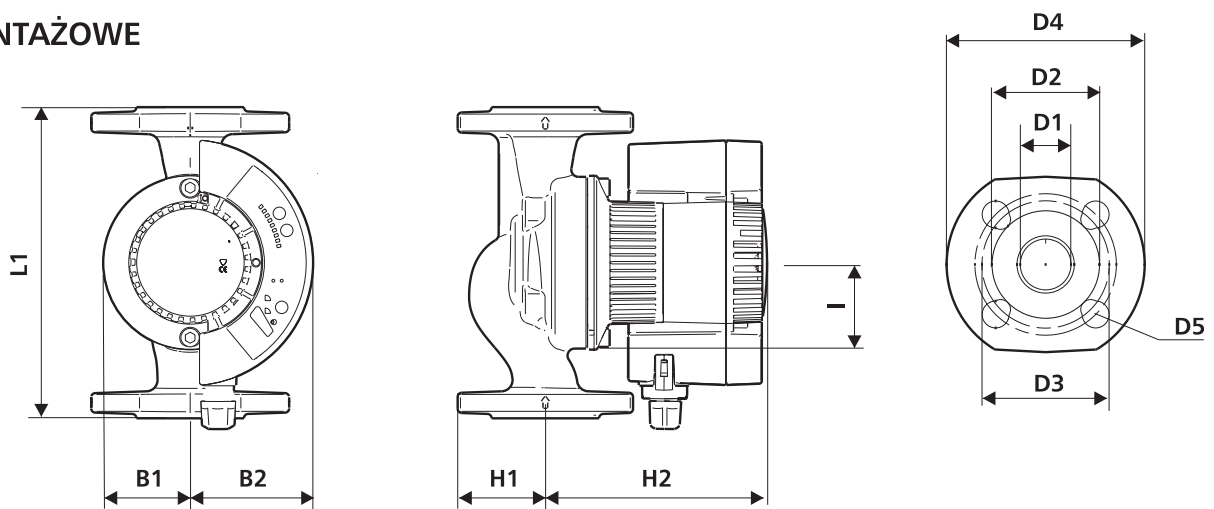
DANE ELEKTRYCZNE

| TYP POMPY      | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|----------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 32POe100C MEGA | 1~230-240     | 10                 | 180 | 0,10               | 1,23 | F              | IP 44           |

#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

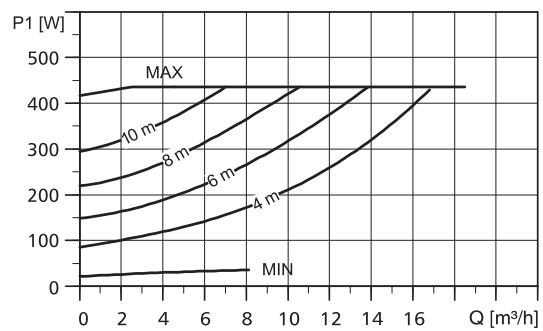
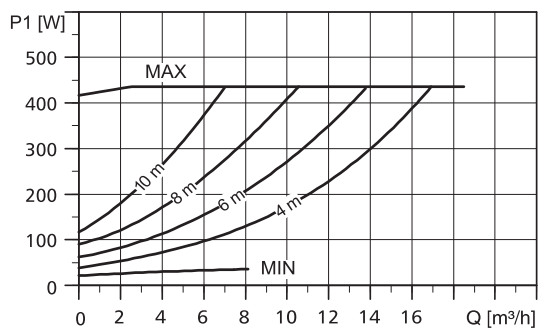
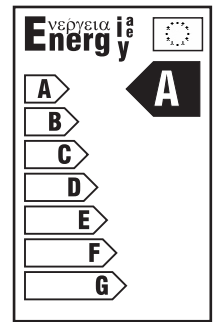
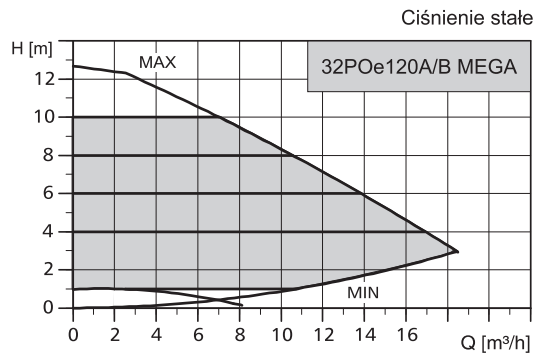
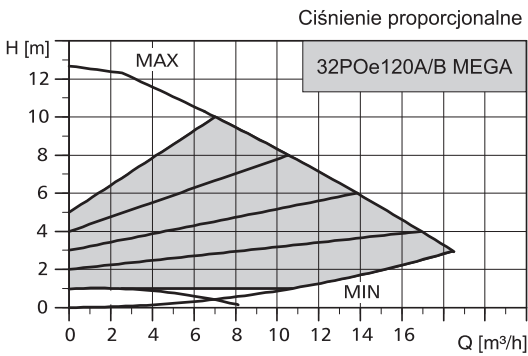


| TYP POMPY        | Wymiary [mm] |    |    |    |    |     |    |    |        |     |    | Masa [kg] |
|------------------|--------------|----|----|----|----|-----|----|----|--------|-----|----|-----------|
|                  | L1           | I  | B1 | B2 | H1 | H2  | D1 | D2 | D3     | D4  | D5 |           |
| 32POe100A/B MEGA | 220          | 62 | 62 | 87 | 54 | 157 | 32 | 76 | 90/100 | 140 | 19 | 8,2       |

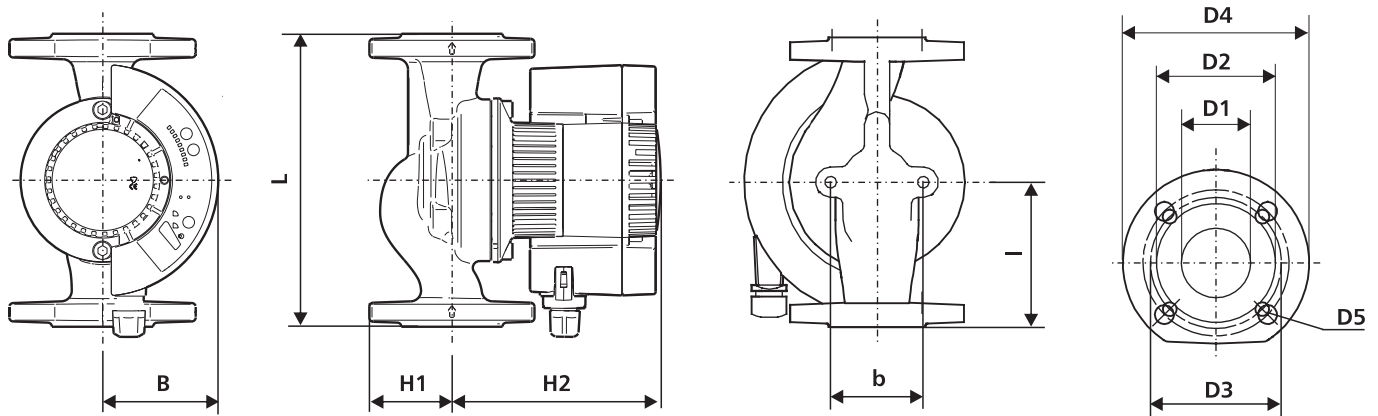
#### DANE ELEKTRYCZNE

| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 32POe100A/B MEGA | 1~230-240     | 10                 | 180 | 0,10               | 1,23 | F              | IP 44           |

CHARAKTERYSTYKA



DANE MONTAŻOWE

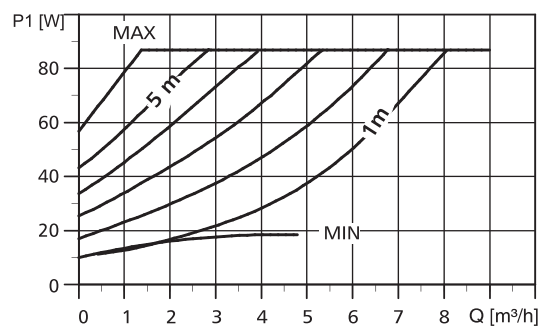
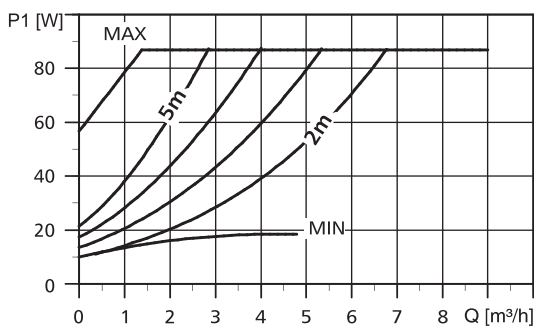
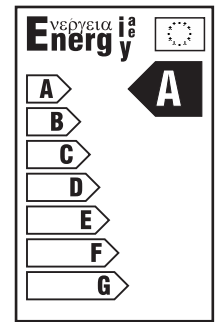
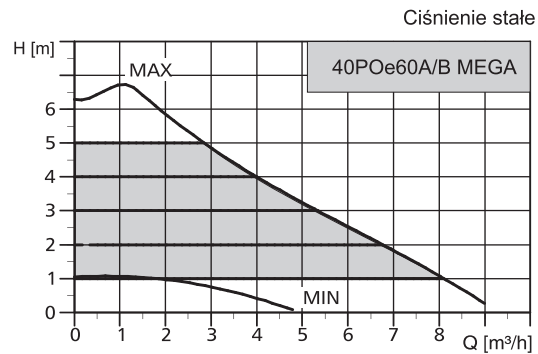
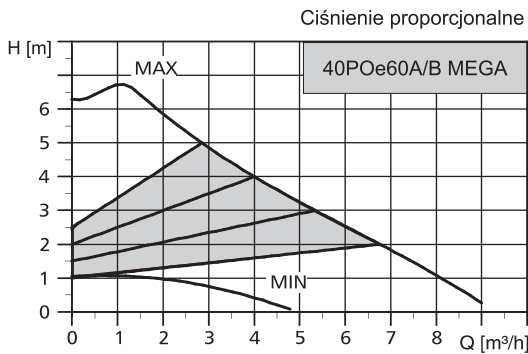


| TYP POMPY        | Wymiary [mm] |     |    |     |     |    |    |    |        |     |         | Masa [kg] |
|------------------|--------------|-----|----|-----|-----|----|----|----|--------|-----|---------|-----------|
|                  | L            | B   | H1 | H2  | I   | b  | D1 | D2 | D3     | D4  | D5      |           |
| 32POe120A/B MEGA | 220          | 115 | 68 | 245 | 110 | 96 | 32 | 76 | 90/100 | 140 | 4x14/19 | 15,0      |

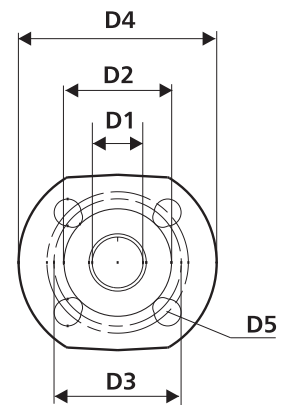
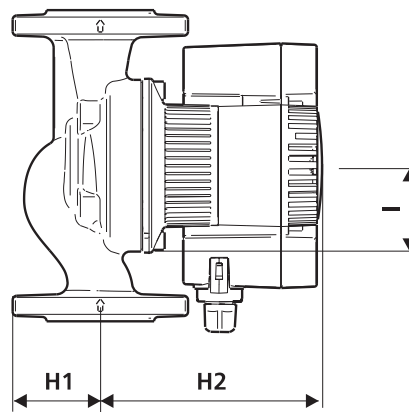
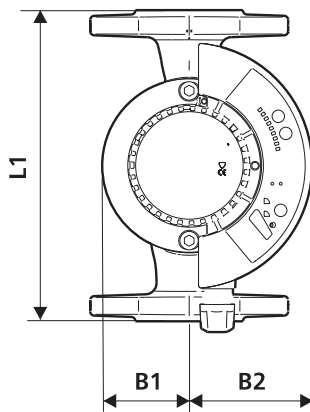
DANE ELEKTRYCZNE

| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 32POe120A/B MEGA | 1~230-240     | 25                 | 430 | 0,17               | 1,80 | F              | IP 44           |

#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

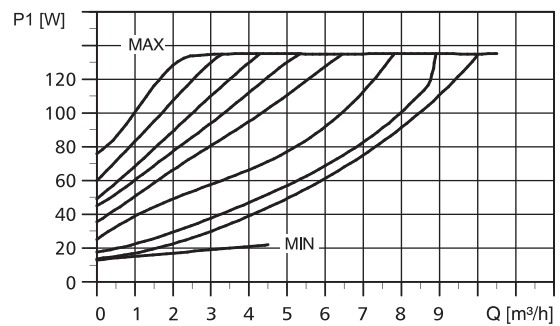
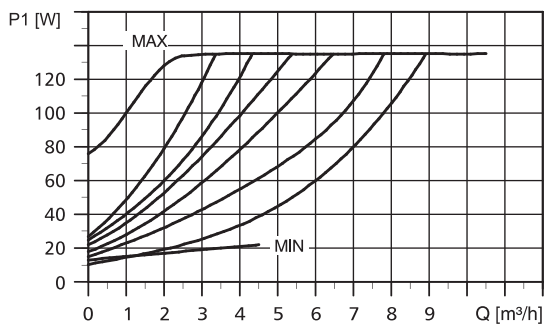
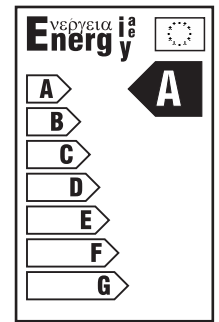
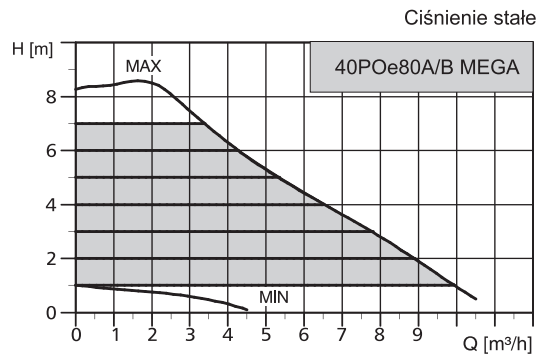
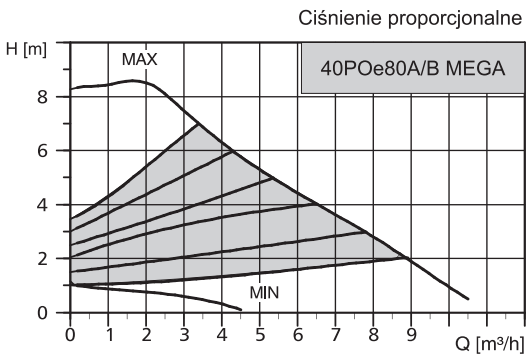


| TYP POMPY       | Wymiary [mm] |    |    |    |    |     |    |    |         |     |    | Masa [kg] |
|-----------------|--------------|----|----|----|----|-----|----|----|---------|-----|----|-----------|
|                 | L1           | I  | B1 | B2 | H1 | H2  | D1 | D2 | D3      | D4  | D5 |           |
| 40POe60A/B MEGA | 220          | 62 | 62 | 87 | 62 | 157 | 40 | 84 | 100/110 | 150 | 19 | 8,3       |

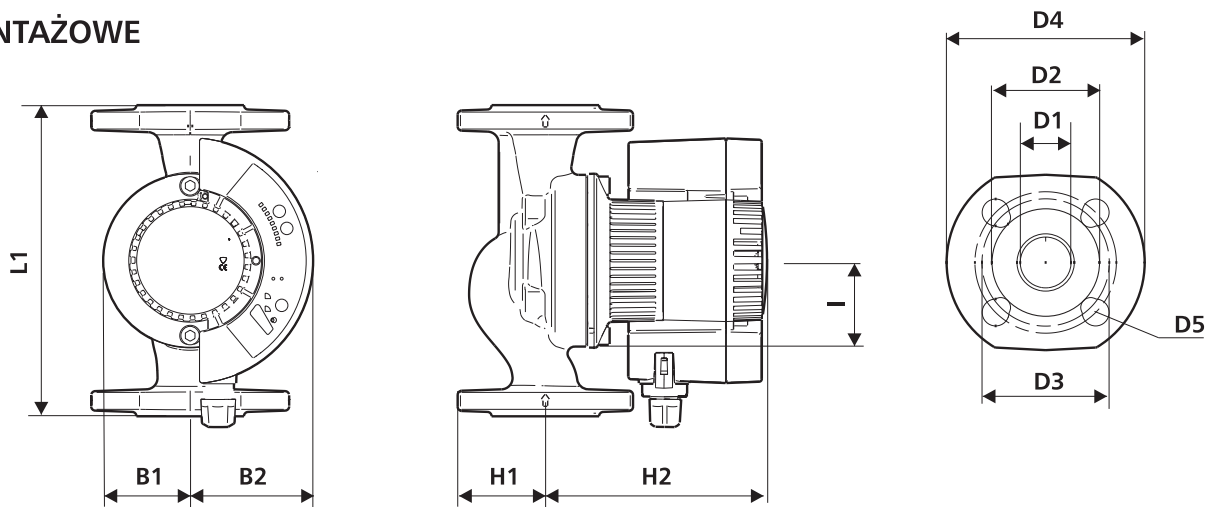
#### DANE ELEKTRYCZNE

| TYP POMPY       | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|-----------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                 |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 40POe60A/B MEGA | 1~230-240     | 10                 | 90  | 0,10               | 0,67 | F              | IP 44           |

CHARAKTERYSTYKA



DANE MONTAŻOWE

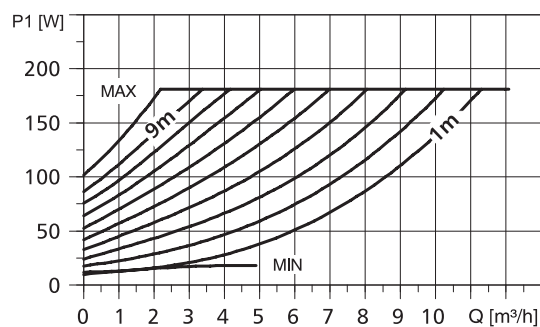
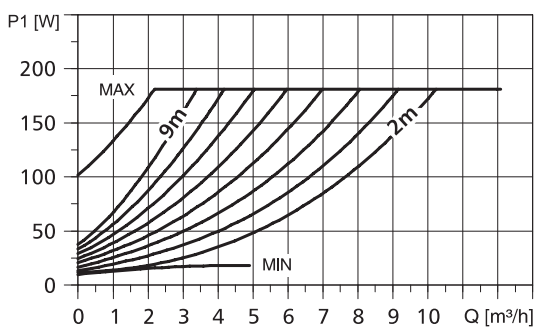
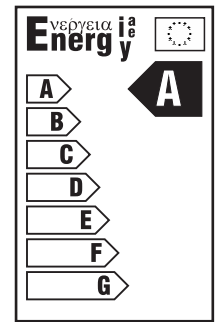
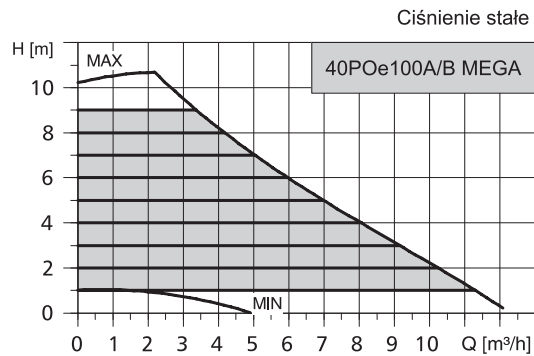
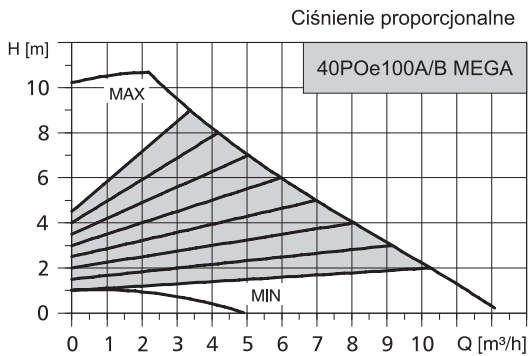


| TYP POMPY       | Wymiary [mm] |    |    |    |    |     |    |    |         |     |    | Masa [kg] |
|-----------------|--------------|----|----|----|----|-----|----|----|---------|-----|----|-----------|
|                 | L1           | I  | B1 | B2 | H1 | H2  | D1 | D2 | D3      | D4  | D5 |           |
| 40POe80A/B MEGA | 220          | 62 | 62 | 87 | 62 | 157 | 40 | 84 | 100/110 | 150 | 19 | 8,3       |

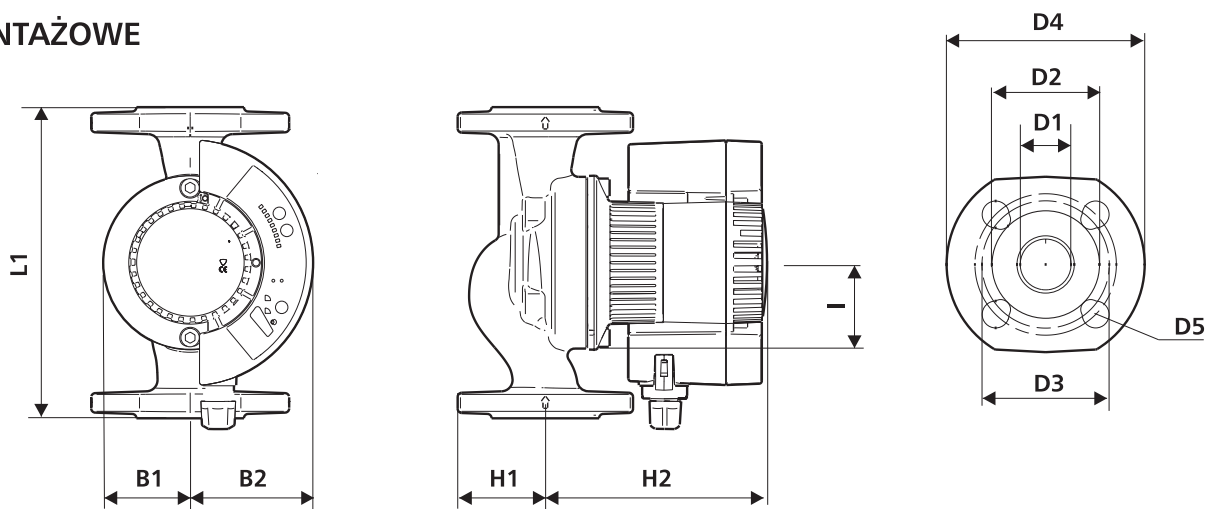
DANE ELEKTRYCZNE

| TYP POMPY       | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|-----------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                 |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 40POe80A/B MEGA | 1~230-240     | 10                 | 136 | 0,10               | 1,00 | F              | IP 44           |

#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

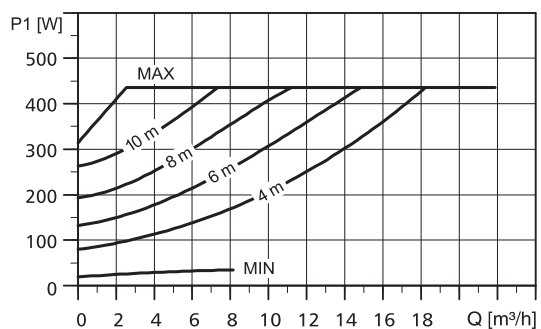
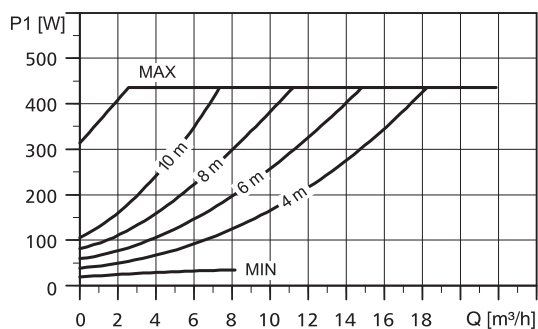
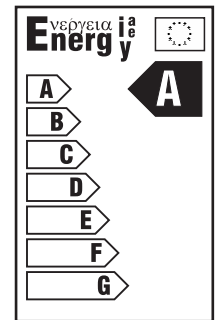
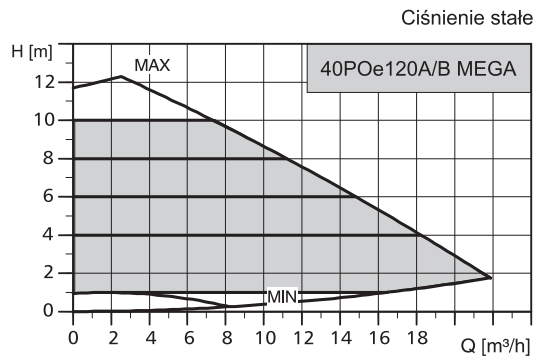
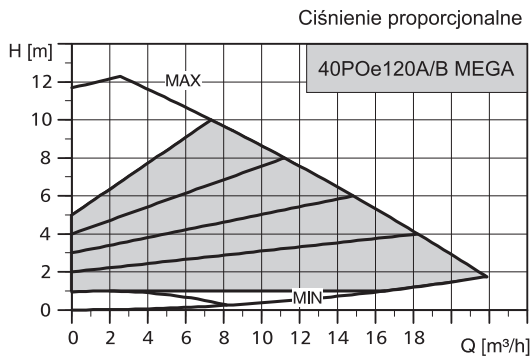


| TYP POMPY        | Wymiary [mm] |    |    |    |    |     |    |    |         |     |    | Masa [kg] |
|------------------|--------------|----|----|----|----|-----|----|----|---------|-----|----|-----------|
|                  | L1           | I  | B1 | B2 | H1 | H2  | D1 | D2 | D3      | D4  | D5 |           |
| 40POe100A/B MEGA | 220          | 62 | 62 | 87 | 62 | 157 | 40 | 84 | 100/110 | 150 | 19 | 8,3       |

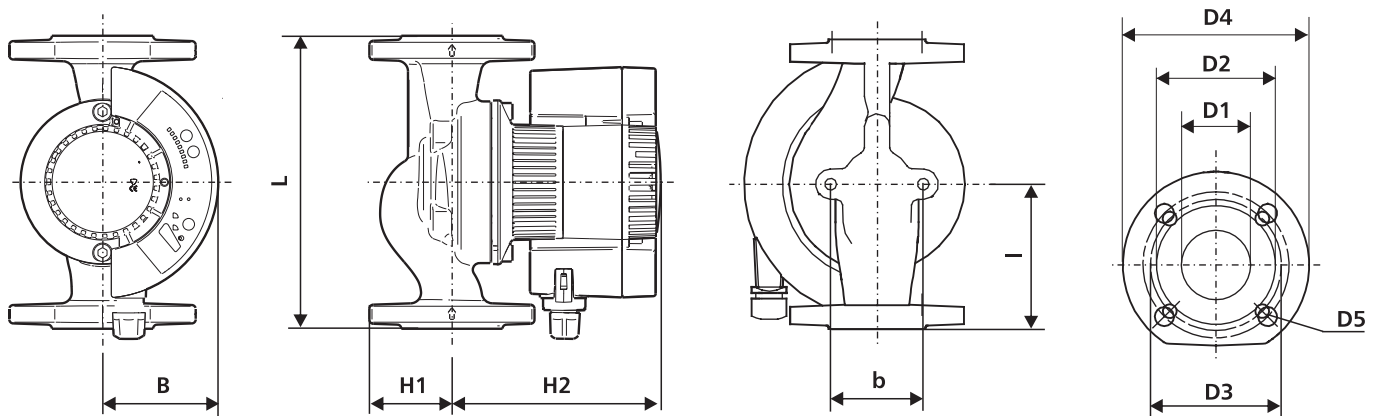
#### DANE ELEKTRYCZNE

| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 40POe100A/B MEGA | 1~230-240     | 10                 | 180 | 0,09               | 1,26 | F              | IP 44           |

### CHARAKTERYSTYKA



### DANE MONTAŻOWE



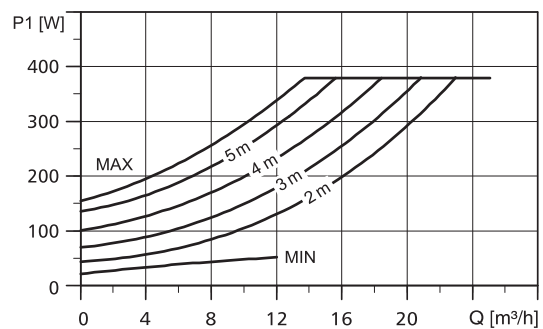
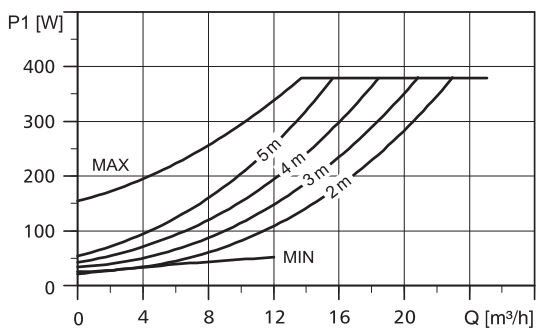
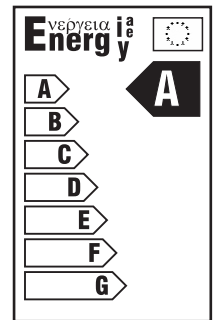
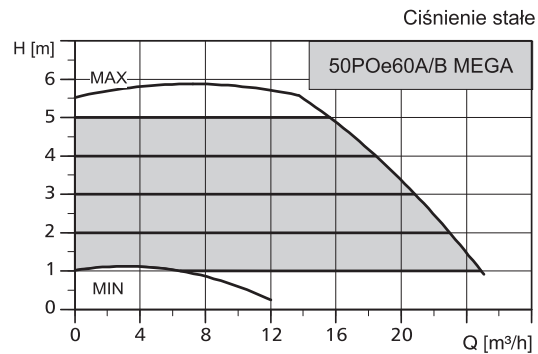
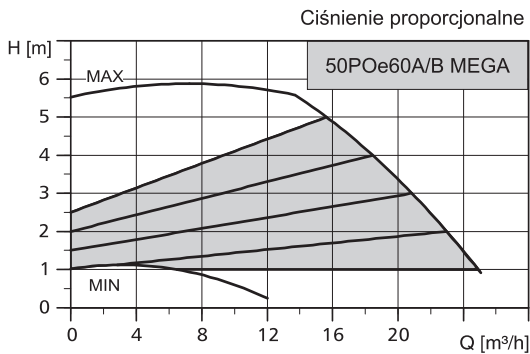
| TYP POMPY        | Wymiary [mm] |     |    |     |     |    |    |    |         |     |         | Masa [kg] |
|------------------|--------------|-----|----|-----|-----|----|----|----|---------|-----|---------|-----------|
|                  | L            | B   | H1 | H2  | I   | b  | D1 | D2 | D3      | D4  | D5      |           |
| 40POe120A/B MEGA | 250          | 115 | 65 | 266 | 125 | 96 | 40 | 84 | 100/110 | 150 | 4x14/19 | 15,5      |

### DANE ELEKTRYCZNE

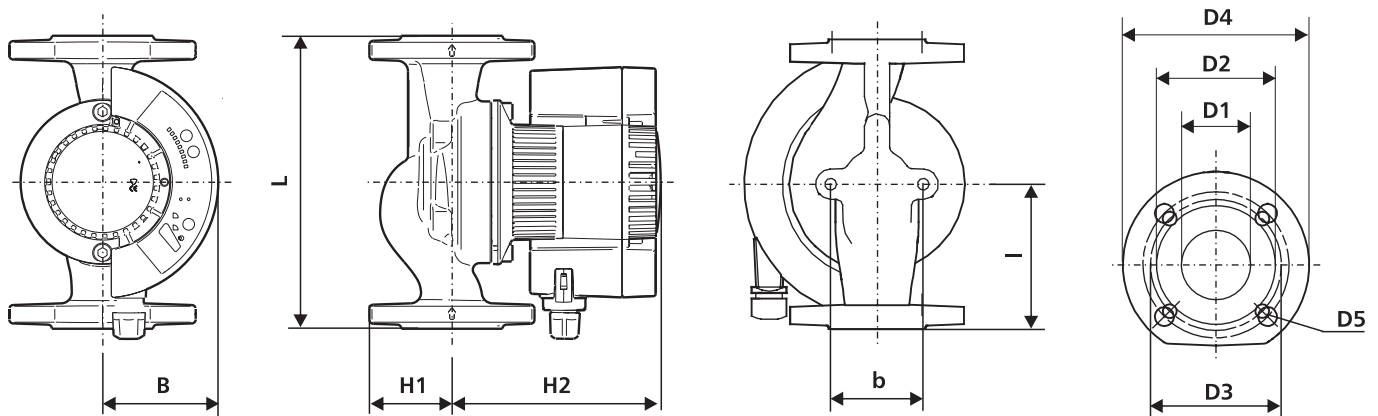
| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 40POe120A/B MEGA | 1~230-240     | 25                 | 450 | 0,17               | 2,00 | F              | IP 44           |



#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

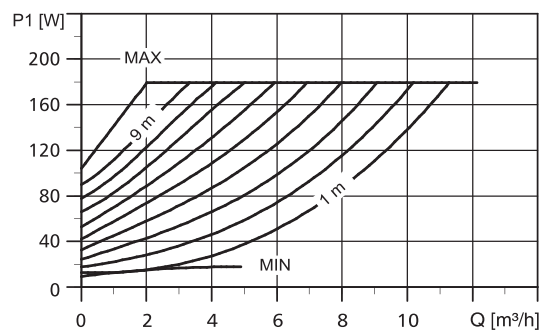
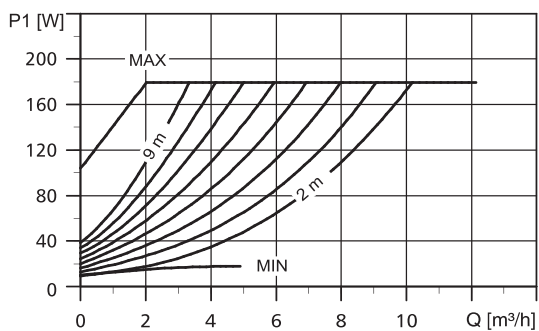
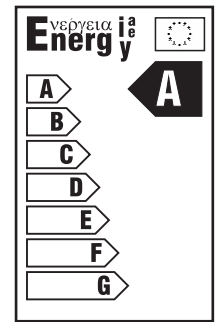
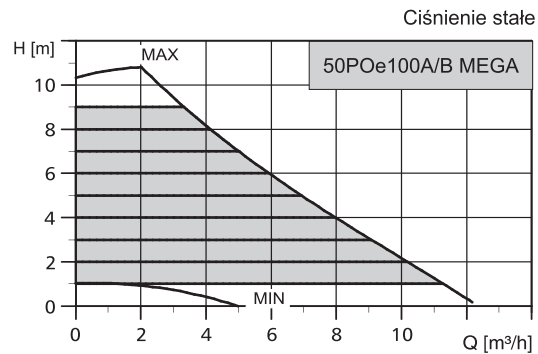
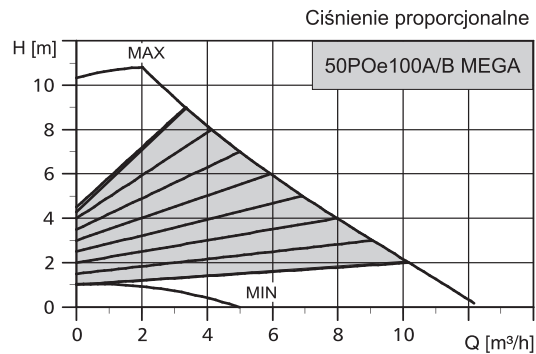


| TYP POMPY       | Wymiary [mm] |     |    |     |     |    |    |     |         |     |         | Masa [kg] |
|-----------------|--------------|-----|----|-----|-----|----|----|-----|---------|-----|---------|-----------|
|                 | L            | B   | H1 | H2  | l   | b  | D1 | D2  | D3      | D4  | D5      |           |
| 50POe60A/B MEGA | 280          | 115 | 78 | 245 | 140 | 96 | 50 | 102 | 110/125 | 165 | 4X14/19 | 18,5      |

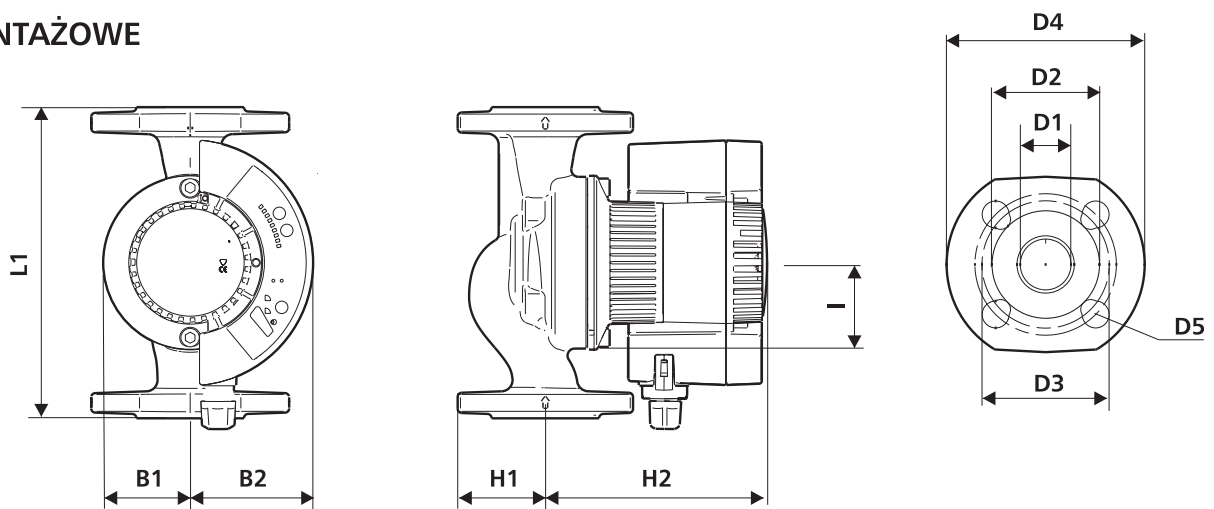
#### DANE ELEKTRYCZNE

| TYP POMPY       | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |     | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|-----------------|---------------|--------------------|-----|--------------------|-----|----------------|-----------------|
|                 |               | MIN                | MAX | MIN                | MAX |                |                 |
| 50POe60A/B MEGA | 1~230-240     | 25                 | 400 | 0,17               | 1,7 | F              | IP 44           |

### CHARAKTERYSTYKA



### DANE MONTAŻOWE

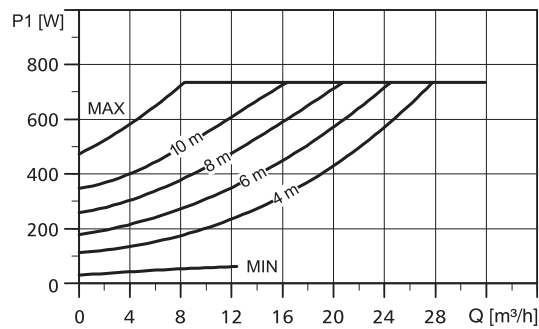
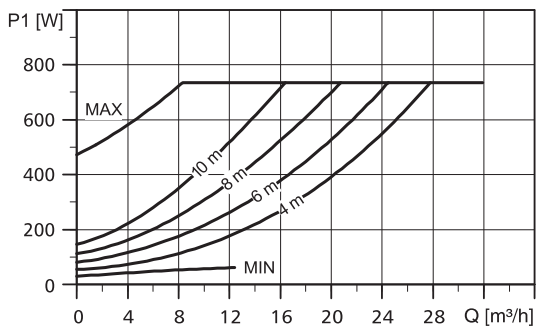
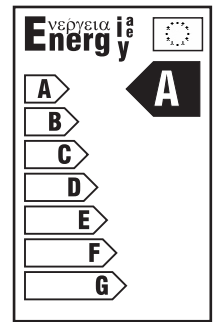
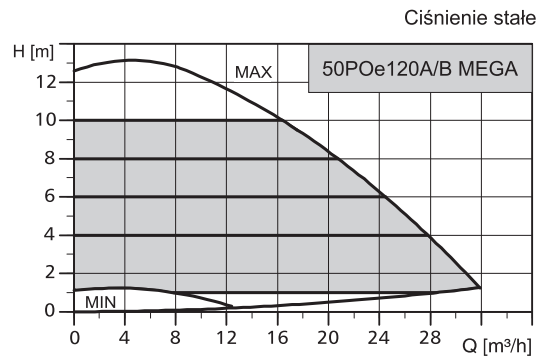
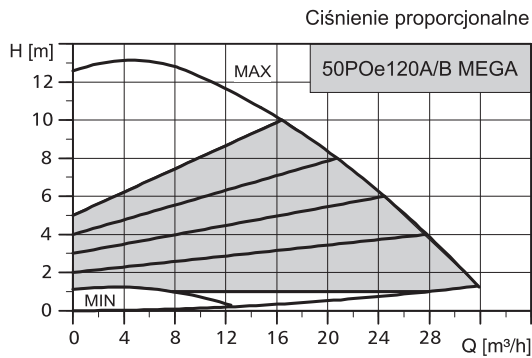


| TYP POMPY        | Wymiary [mm] |    |    |    |    |     |    |    |         |     |    | Masa [kg] |
|------------------|--------------|----|----|----|----|-----|----|----|---------|-----|----|-----------|
|                  | L1           | I  | B1 | B2 | H1 | H2  | D1 | D2 | D3      | D4  | D5 |           |
| 50POe100A/B MEGA | 240          | 62 | 62 | 87 | 73 | 163 | 50 | 99 | 100/125 | 165 | 19 | 10,2      |

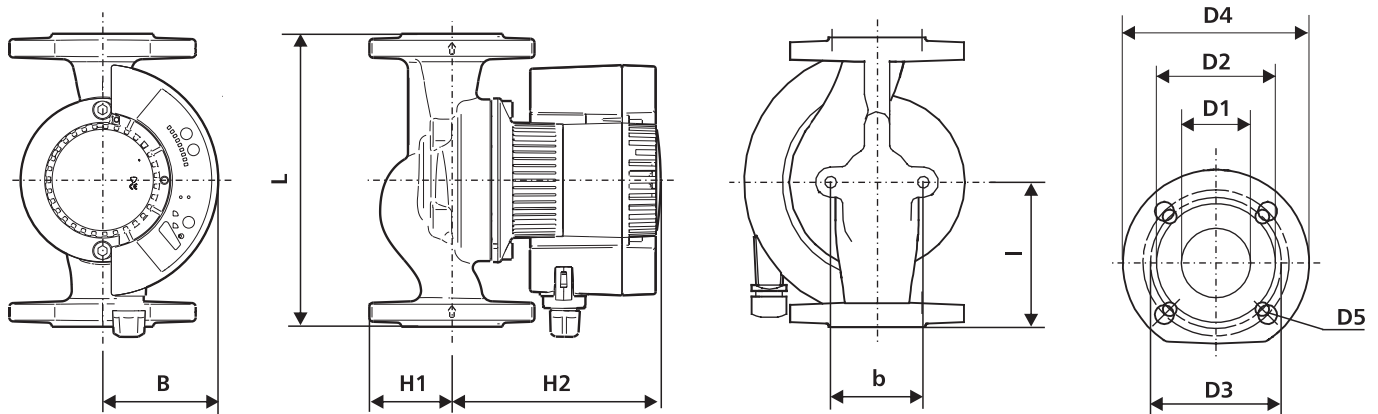
### DANE ELEKTRYCZNE

| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 50POe100A/B MEGA | 1~230-240     | 10                 | 180 | 0,10               | 1,26 | F              | IP 44           |

#### CHARAKTERYSTYKA



#### DANE MONTAŻOWE

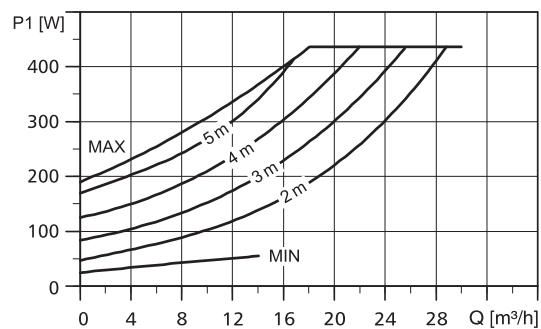
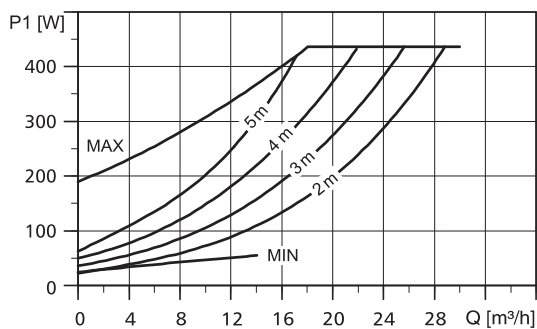
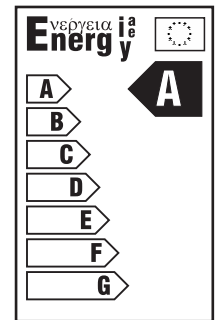
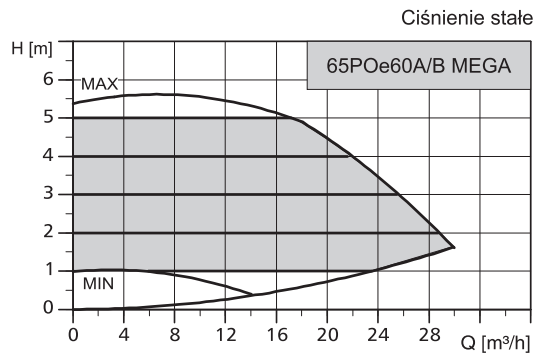
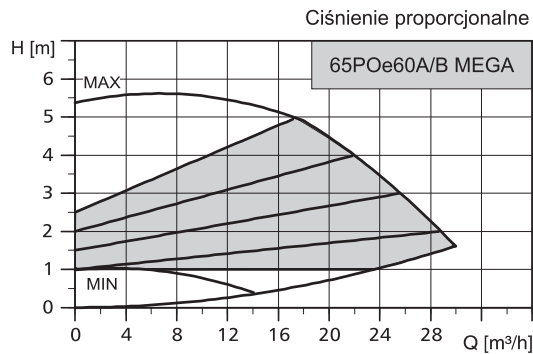


| TYP POMPY        | Wymiary [mm] |     |    |     |     |    |    |     |         |     |         | Masa [kg] |
|------------------|--------------|-----|----|-----|-----|----|----|-----|---------|-----|---------|-----------|
|                  | L            | B   | H1 | H2  | I   | b  | D1 | D2  | D3      | D4  | D5      |           |
| 50POe120A/B MEGA | 280          | 125 | 78 | 245 | 140 | 96 | 50 | 102 | 110/125 | 165 | 4x14/19 | 22,0      |

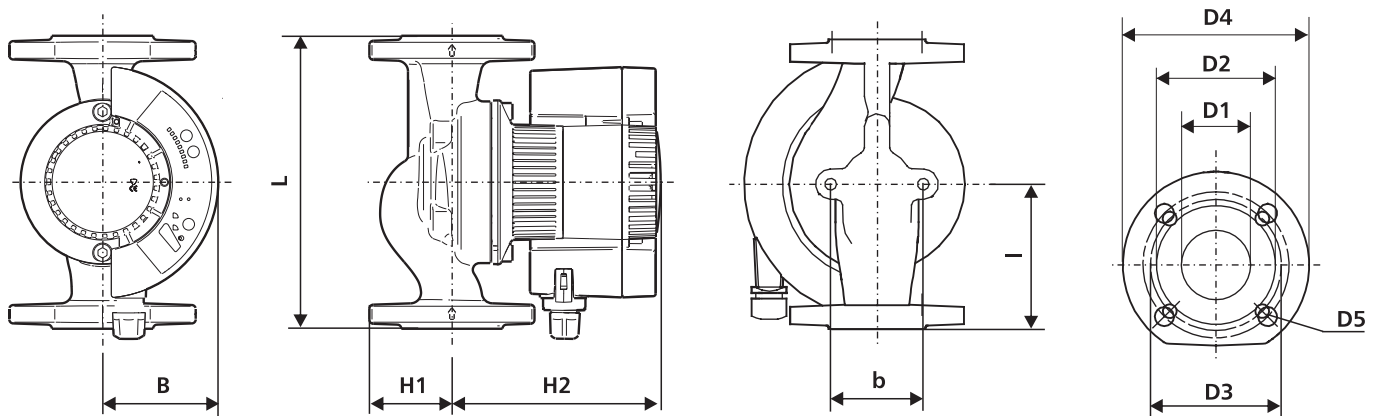
#### DANE ELEKTRYCZNE

| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 50POe120A/B MEGA | 1~230-240     | 35                 | 800 | 0,28               | 3,50 | F              | IP 44           |

CHARAKTERYSTYKA



DANE MONTAŻOWE

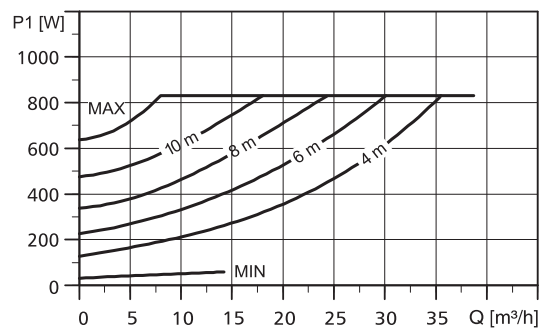
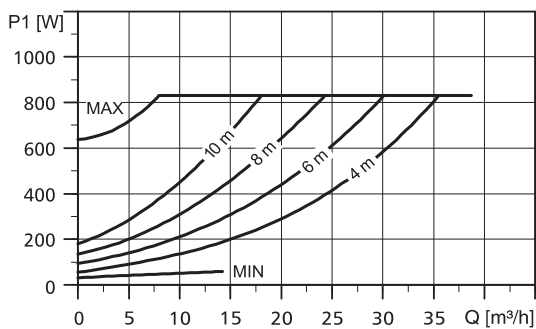
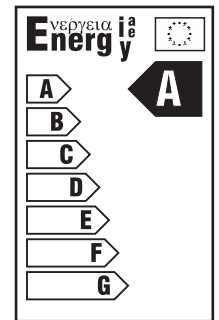
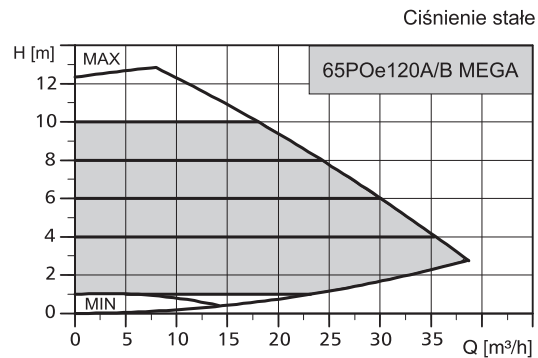
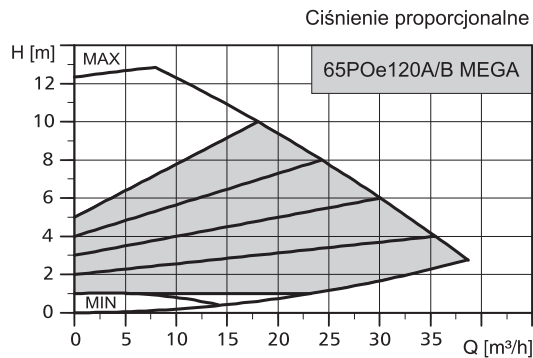


| TYP POMPY       | Wymiary [mm] |     |    |     |     |    |    |     |         |     |         | Masa [kg] |
|-----------------|--------------|-----|----|-----|-----|----|----|-----|---------|-----|---------|-----------|
|                 | L            | B   | H1 | H2  | I   | b  | D1 | D2  | D3      | D4  | D5      |           |
| 65POe60A/B MEGA | 340          | 115 | 82 | 255 | 170 | 96 | 65 | 119 | 130/145 | 185 | 4x14/19 | 22,0      |

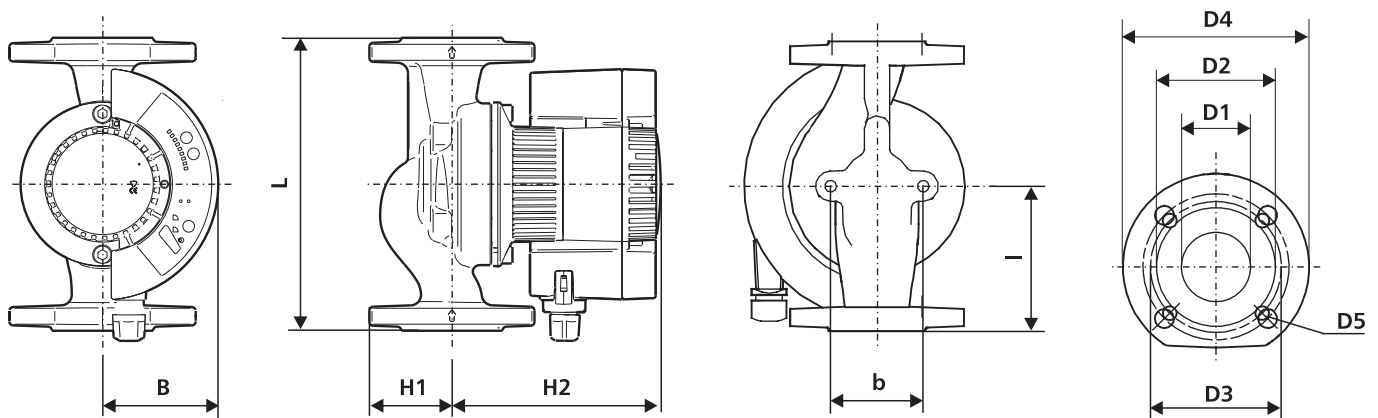
DANE ELEKTRYCZNE

| TYP POMPY       | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|-----------------|---------------|--------------------|-----|--------------------|------|----------------|-----------------|
|                 |               | MIN                | MAX | MIN                | MAX  |                |                 |
| 65POe60A/B MEGA | 1~230-240     | 25                 | 450 | 0,17               | 2,00 | F              | IP 44           |

### CHARAKTERYSTYKA



### DANE MONTAŻOWE



| TYP POMPY        | Wymiary [mm] |     |    |     |     |    |    |     |         |     |         | Masa [kg] |
|------------------|--------------|-----|----|-----|-----|----|----|-----|---------|-----|---------|-----------|
|                  | L            | B   | H1 | H2  | I   | b  | D1 | D2  | D3      | D4  | D5      |           |
| 65POe120A/B MEGA | 340          | 125 | 82 | 255 | 170 | 96 | 65 | 119 | 130/145 | 185 | 4x14/19 | 25,5      |

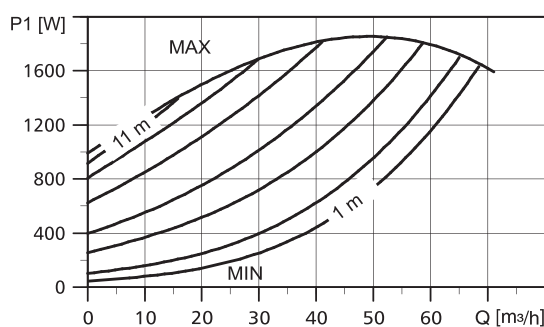
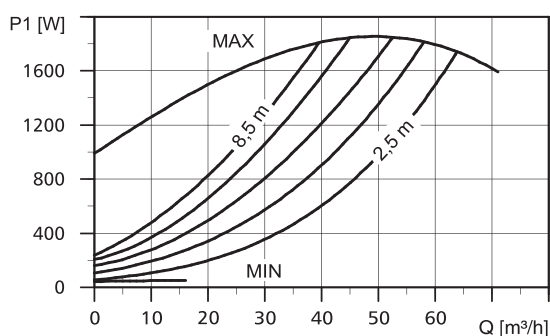
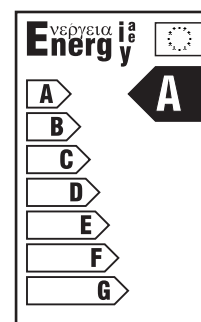
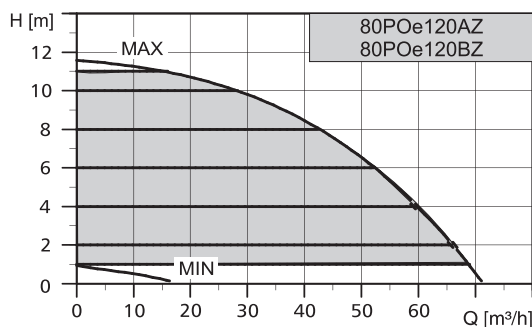
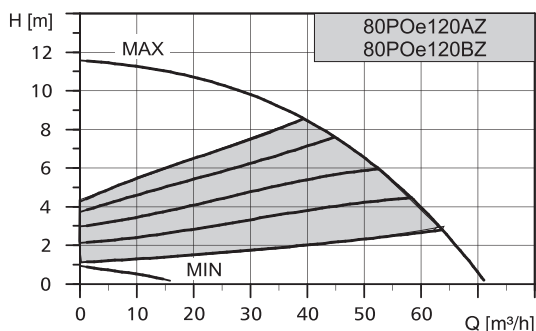
### DANE ELEKTRYCZNE

| TYP POMPY        | ZASILANIE [V] | P <sub>1</sub> [W] |     | I <sub>N</sub> [A] |     | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------------|---------------|--------------------|-----|--------------------|-----|----------------|-----------------|
|                  |               | MIN                | MAX | MIN                | MAX |                |                 |
| 65POe120A/B MEGA | 1~230-240     | 35                 | 900 | 0,28               | 3,9 | F              | IP 44           |

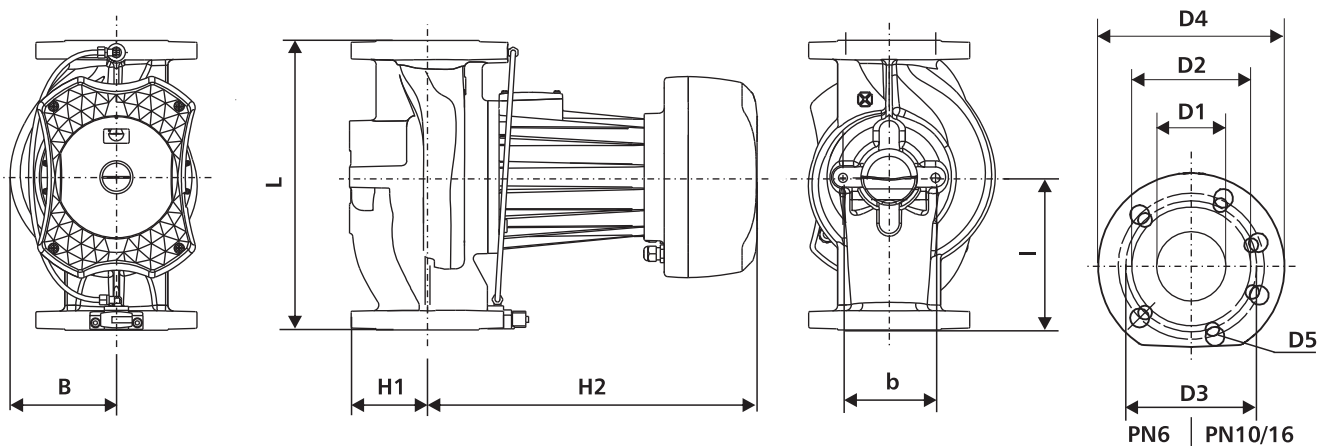
CHARAKTERYSTYKA

Ciśnienie proporcjonalne

Ciśnienie stałe



DANE MONTAŻOWE

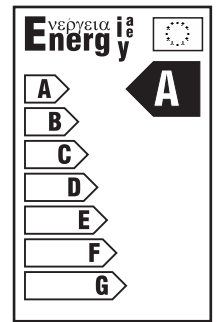
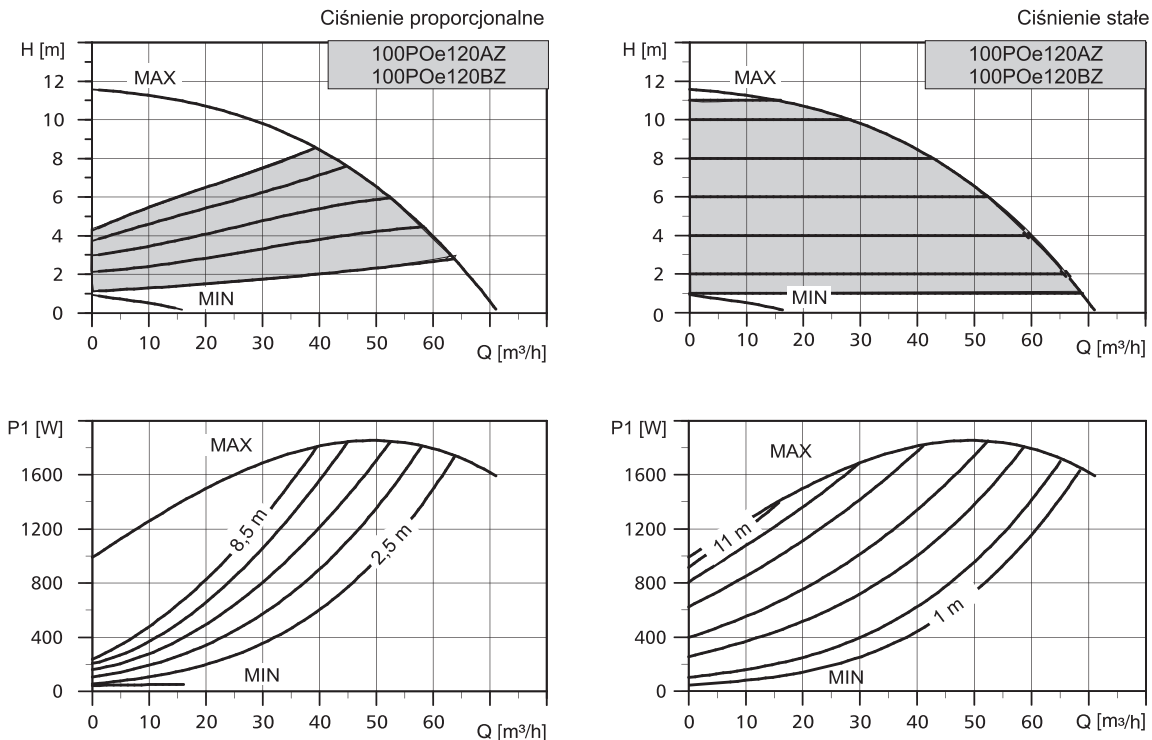


| TYP POMPY  | Wymiary [mm] |     |    |     |     |     |    |     |         |     |      | Masa [kg] |
|------------|--------------|-----|----|-----|-----|-----|----|-----|---------|-----|------|-----------|
|            | L            | B   | H1 | H2  | I   | b   | D1 | D2  | D3      | D4  | D5   |           |
| 80POe120AZ | 360          | 131 | 98 | 402 | 180 | 115 | 80 | 128 | 150/160 | 200 | 4x19 | 47,8      |
| 80POe120BZ |              |     |    |     | 190 |     |    |     | 160     |     | 8x19 |           |

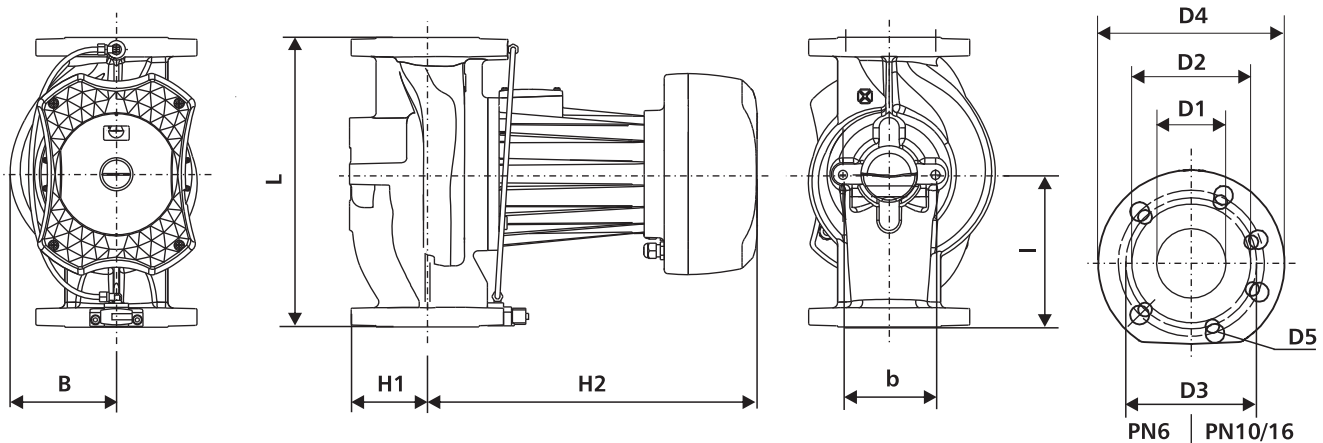
DANE ELEKTRYCZNE

| TYP POMPY  | ZASILANIE [V] | P <sub>1</sub> [W] |      | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|------------|---------------|--------------------|------|--------------------|------|----------------|-----------------|
|            |               | MIN                | MAX  | MIN                | MAX  |                |                 |
| 80POe120AZ | 1~230-240     | 60                 | 1900 | 0,60               | 13,2 | H              | IP 44           |
| 80POe120BZ |               |                    |      |                    |      |                |                 |

### CHARAKTERYSTYKA



### DANE MONTAŻOWE



| TYP POMPY   | Wymiary [mm] |     |     |     |     |     |     |     |     |     |      | Masa [kg] |
|-------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----------|
|             | L            | B   | H1  | H2  | I   | b   | D1  | D2  | D3  | D4  | D5   |           |
| 100POe120AZ | 450          | 135 | 120 | 410 | 225 | 115 | 100 | 160 | 170 | 220 | 4x19 | 56,8      |
| 100POe120BZ |              |     |     |     | 235 |     |     |     | 180 |     | 8x19 |           |

### DANE ELEKTRYCZNE

| TYP POMPY   | ZASILANIE [V] | P <sub>i</sub> [W] |      | I <sub>n</sub> [A] |      | KLASA IZOLACJI | STOPIEŃ OCHRONY |
|-------------|---------------|--------------------|------|--------------------|------|----------------|-----------------|
|             |               | MIN                | MAX  | MIN                | MAX  |                |                 |
| 100POe120AZ | 1~230-240     | 60                 | 1900 | 0,60               | 13,2 | H              | IP 44           |
| 100POe120BZ |               |                    |      |                    |      |                |                 |