

Bombas circuladoras de rotor húmedo para calefacción  
**UPS Series 200 (50Hz)**



Las bombas circuladoras Grundfos tipo UPS y UPSD están diseñadas para la circulación de líquidos poco densos, limpios, no agresivos ni explosivos, sin partículas sólidas, fibras o aceite mineral en sistemas de calefacción y sistemas de refrigeración y aire acondicionado. En sistemas de agua caliente sanitaria se recomienda utilizar bombas de bronce.

### Gama adaptada

Cada bomba circuladora posee 3 velocidades de funcionamiento que permite elegir la curva que mejor se adapte a las necesidades del sistema.

Las bombas serie 200 ofrecen una amplia gama de resultados gracias a los más de 100 modelos disponibles tanto en versión monofásica (1x230V) como en versión trifásica (3x230V y 3x400V).

### Seguridad

Las bombas dobles permiten tener una bomba en reserva en caso de fallo. Además gracias al accesorio opcional módulo relé permite definir el modo de funcionamiento:

En alternancia, las bombas funcionan alternativamente en reserva y en servicio. Funcionamiento en reserva, en el que las bombas funcionan constantemente como bomba de servicio mientras que la otra se encuentra en reserva y como bomba sencilla que funcionan independientemente.

El módulo relé permite además, tanto en las bombas dobles como sencillas, la conexión directa de la bomba a un interruptor externo de red y un dispositivo externo para indicación de funcionamiento o fallo. La bomba se conecta directamente a la red, ya que incorpora protección contra sobrecarga en las 3 velocidades.

## UPS Series 200



## CARACTERÍSTICAS / CONSTRUCCIONES

Las bombas UPS y UPSD son del tipo rotor encapsulado, es decir, la bomba y el motor forman un conjunto sin cierre de eje y con solo dos juntas para el sellado. Los cojinetes están lubricados por el líquido bombeado. Estas bombas se caracterizan por:

- Cojinetes radiales en cerámica.
- Cojinete de empuje en carbono.
- Camisa del rotor, soporte del cojinete y revestimiento del rotor en acero inoxidable.
- Carcasa de la bomba en fundición o bronce.
- Estator con interruptor de sobrecarga térmica incorporado.
- Motor con 3 velocidades.
- Temperatura del líquido:
  - Durante breves períodos: +140°C
  - Constantemente de -10°C a +120°C
- Grado de protección IP44.
- Clase aislamiento H y F según modelos.
- Presión máxima de trabajo 10 bares.

La bomba no necesita protección externa si lleva incorporado el módulo de protección.

Las bombas sencillas y dobles pueden suministrarse con un módulo estándar en la caja de conexiones. El módulo estándar se conecta al suministro de red mediante un contactor exterior.

Dependiendo de la versión de fundición y de la aplicación de la bomba, la temperatura máxima del líquido puede estar limitada por las normativas locales.

## UPS 32-30 F 220, UPSD 32-30 F 220

### Inlet pressure

|                 |      |     |     |
|-----------------|------|-----|-----|
| $t_m$ [°C]      | 75   | 90  | 120 |
| $H_{min}$ [bar] | 0.05 | 0.2 | 1.3 |

### Electrical data

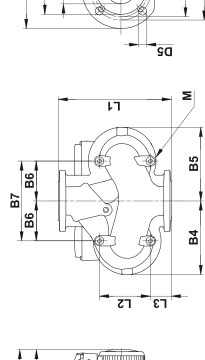
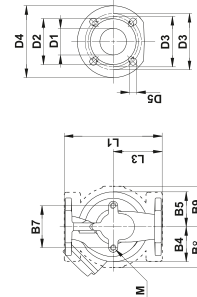
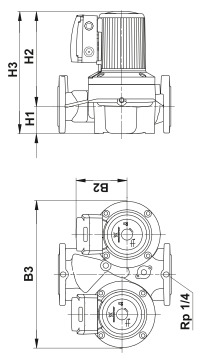
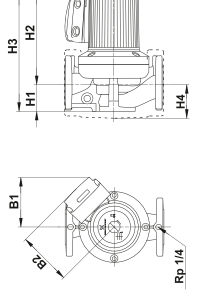
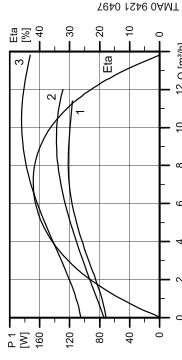
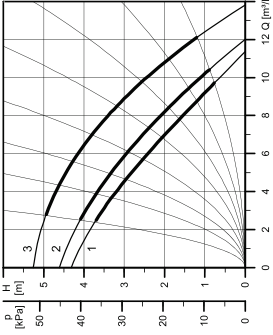
|                      | $P_{max}$ [W] | $D_{in}$ [W] | $I/I1$ [A] | $Cos \varphi$ |
|----------------------|---------------|--------------|------------|---------------|
|                      |               |              |            |               |
| <b>3 x 230 V</b>     |               |              |            |               |
| Speed 1              | 60            | 35           | 0.26       | 0.58          |
| Speed 2              | 70            | 40           | 0.31       | 0.56          |
| Speed 3              | 115           | 85           | 0.87       | 0.33          |
| <b>3 x 400-415 V</b> |               |              |            |               |
| Speed 1              | 60            | 35           | 0.15       | 0.58          |
| Speed 2              | 70            | 40           | 0.18       | 0.56          |
| Speed 3              | 115           | 85           | 0.50       | 0.33          |

Series 200 is also available for 1 x 230-240 V.

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class  |
|------------------|---------------|
| UPS 32-30 F 220  | 3 x 230 V     |
| UPSD 32-30 F 220 | 3 x 400-415 V |
|                  | D             |
|                  | E             |
|                  | E             |



### Dimensions and weights

| Pump type | PN | L1 | L2 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | H1 | H2 | H3 | H4 | D1 | D2 | D3 | D4 | D5 | M | Net Gross | Ship vol. |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|-----------|-----------|
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|-----------|-----------|

|                  |          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |    |        |     |       |     |      |      |       |
|------------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|--------|-----|-------|-----|------|------|-------|
| UPS 32-30 F 220  | 6/10 220 | -   | 110 | 135 | 141 | -   | 75  | 75  | -   | 80  | 110 | 110 | 88 | 245 | 312 | 104 | 32 | 76 | 90/100 | 140 | 14/19 | M12 | 16.0 | 17.4 | 0.026 |
| UPSD 32-30 F 220 | 6/10 220 | 103 | 52  | -   | 141 | 360 | 180 | 180 | 100 | 200 | -   | -   | 68 | 242 | 310 | -   | 32 | 76 | 90/100 | 140 | 14/19 | M12 | 30.6 | 32.4 | 0.044 |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 32-60 F 220, UPSD 32-60 F 220

### Inlet pressure

|                 |      |     |     |
|-----------------|------|-----|-----|
| $t_m$ [°C]      | 75   | 90  | 120 |
| $H_{min}$ [bar] | 0.05 | 0.2 | 1.5 |

### Electrical data

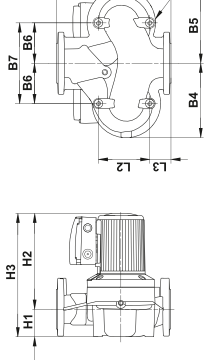
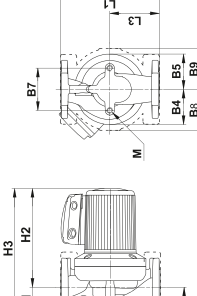
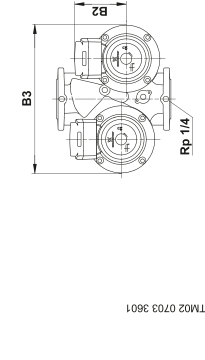
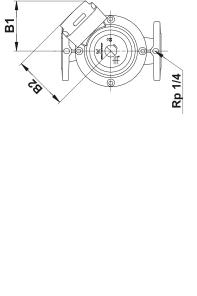
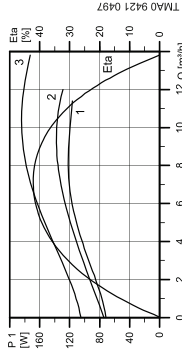
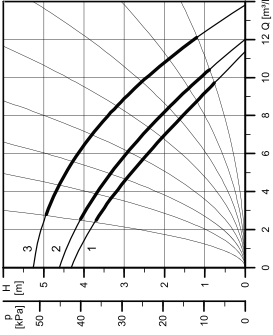
|                      | $P_{max}$ [W] | $D_{in}$ [W] | $I/I1$ [A] | $Cos \varphi$ |
|----------------------|---------------|--------------|------------|---------------|
|                      |               |              |            |               |
| <b>3 x 230 V</b>     |               |              |            |               |
| Speed 1              | 120           | 70           | 0.37       | 0.82          |
| Speed 2              | 140           | 75           | 0.40       | 0.88          |
| Speed 3              | 185           | 105          | 0.68       | 0.66          |
| <b>3 x 400-415 V</b> |               |              |            |               |
| Speed 1              | 120           | 70           | 0.21       | 0.82          |
| Speed 2              | 140           | 75           | 0.23       | 0.88          |
| Speed 3              | 185           | 105          | 0.39       | 0.68          |

Series 200 is also available for 1 x 230-240 V.

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class  |
|------------------|---------------|
| UPS 32-60 F 220  | 3 x 230 V     |
| UPSD 32-60 F 220 | 3 x 400-415 V |
|                  | C             |
|                  | C             |
|                  | C             |



### Dimensions and weights

| Pump type | PN | L1 | L2 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | H1 | H2 | H3 | H4 | D1 | D2 | D3 | D4 | D5 | M | Net Gross | Ship vol. |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|-----------|-----------|
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|-----------|-----------|

|                  |          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |    |        |     |       |     |      |      |       |
|------------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|--------|-----|-------|-----|------|------|-------|
| UPS 32-60 F 220  | 6/10 220 | -   | 110 | 135 | 141 | -   | 75  | 75  | -   | 80  | 110 | 110 | 88 | 242 | 310 | 103 | 32 | 76 | 90/100 | 140 | 14/19 | M12 | 16.1 | 17.5 | 0.026 |
| UPSD 32-60 F 220 | 6/10 220 | 103 | 52  | -   | 141 | 360 | 180 | 180 | 100 | 200 | -   | -   | 68 | 242 | 310 | -   | 32 | 76 | 90/100 | 140 | 14/19 | M12 | 31.6 | 33.3 | 0.044 |

\*Weights of bronze versions are approx. 10 % higher.

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## UPS 32-120 F 220, UPSD 32-120 F 220

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 0.4 | 0.7 | 1.95 |

### Electrical data

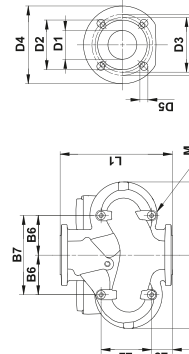
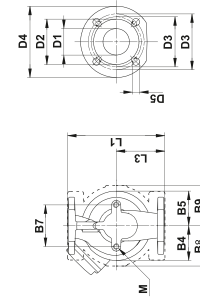
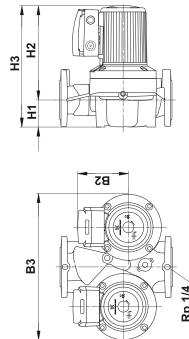
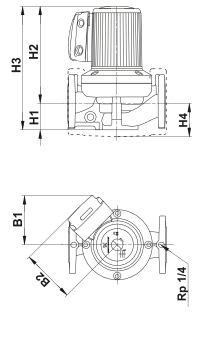
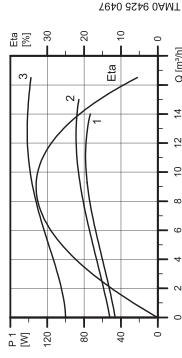
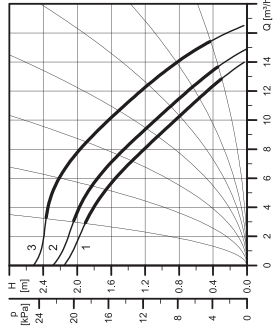
|                      | $P_{max}$ [W] | $P_{min}$ [W] | I1/I1 | Cos $\phi$ |
|----------------------|---------------|---------------|-------|------------|
| <b>3 x 230 V</b>     |               |               |       |            |
| Speed 1              | 245           | 120           | 0.73  | 0.84       |
| Speed 2              | 280           | 130           | 0.82  | 0.86       |
| Speed 3              | 400           | 170           | 1.36  | 0.74       |
| <b>3 x 400-415 V</b> |               |               |       |            |
| Speed 1              | 245           | 120           | 0.42  | 0.84       |
| Speed 2              | 280           | 130           | 0.47  | 0.86       |
| Speed 3              | 400           | 170           | 0.78  | 0.74       |

Series 200 is also available for 1 x 230-240 V.

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type         | Energy class    |
|-------------------|-----------------|
| UPS 32-120 F 220  | 3 x 400-415 V C |
| UPSD 32-120 F 220 | D               |



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## UPS 40-30 F 250, UPSD 40-30 F 250

### Inlet pressure

|                 |      |      |      |
|-----------------|------|------|------|
| $t_m$ [°C]      | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0.05 | 0.15 | 1.45 |

### Electrical data

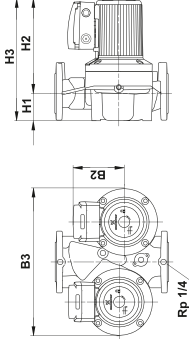
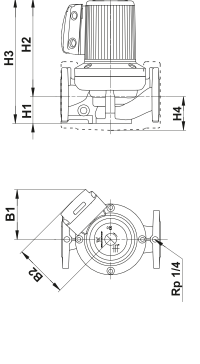
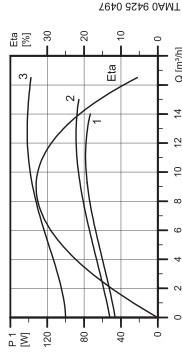
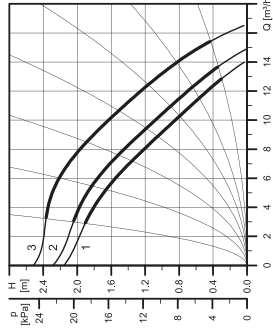
|                      | $P_{max}$ [W] | $P_{min}$ [W] | I1/I1 | Cos $\phi$ |
|----------------------|---------------|---------------|-------|------------|
| <b>3 x 230 V</b>     |               |               |       |            |
| Speed 1              | 80            | 45            | 0.30  | 0.68       |
| Speed 2              | 90            | 50            | 0.35  | 0.65       |
| Speed 3              | 140           | 100           | 0.90  | 0.39       |
| <b>3 x 400-415 V</b> |               |               |       |            |
| Speed 1              | 80            | 45            | 0.17  | 0.68       |
| Speed 2              | 90            | 50            | 0.20  | 0.65       |
| Speed 3              | 140           | 100           | 0.52  | 0.39       |

Series 200 is also available for 1 x 230-240 V.

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class    |
|------------------|-----------------|
| UPS 40-30 F 250  | 3 x 400-415 V C |
| UPSD 40-30 F 250 | D               |



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### Dimensions and weights

| Pump type     | PN       | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | H1  | H2  | H3  | H4  | D1  | D2  | D3  | D4     | D5  | M     | Net Gross | Ship. vol. |       |       |      |      |       |
|---------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-------|-----------|------------|-------|-------|------|------|-------|
| UPS 32-120 F  | 6/10 220 | -   | 110 | 135 | 141 | -   | 75  | 75  | -   | 80  | 110 | 110 | 88  | 242 | 310 | 103 | 32  | 76  | 90/100 | 140 | 14/19 | M12       | 16.3       | 17.8  | 0.026 |      |      |       |
| UPSD 32-120 F | 6/10 220 | 103 | 52  | -   | 141 | 360 | 180 | 180 | 100 | 200 | -   | 68  | 243 | 311 | -   | 68  | 243 | 311 | -      | 32  | 76    | 90/100    | 140        | 14/19 | M12   | 33.0 | 34.5 | 0.045 |

\*Weights of bronze versions are approx. 10 % higher.

### Dimensions and weights

| Pump type        | PN       | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | H1  | H2  | H3  | H4  | D1  | D2  | D3  | D4      | D5  | M     | Net Gross | Ship. vol. |       |       |      |      |       |
|------------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-------|-----------|------------|-------|-------|------|------|-------|
| UPS 40-30 F 250  | 6/10 250 | -   | 125 | 135 | 141 | -   | 85  | 75  | -   | 120 | 118 | 110 | 88  | 249 | 317 | 108 | 40  | 84  | 100/110 | 150 | 14/19 | M12       | 18.8       | 20.1  | 0.027 |      |      |       |
| UPSD 40-30 F 250 | 6/10 250 | 126 | 45  | -   | 141 | 360 | 180 | 180 | 100 | 200 | -   | 68  | 249 | 317 | -   | 68  | 249 | 317 | -       | 40  | 84    | 100/110   | 150        | 14/19 | M12   | 32.0 | 34.4 | 0.044 |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 40-30 F 254

### Inlet pressure

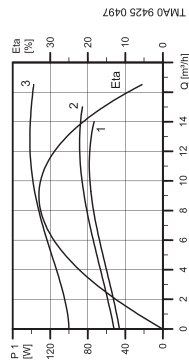
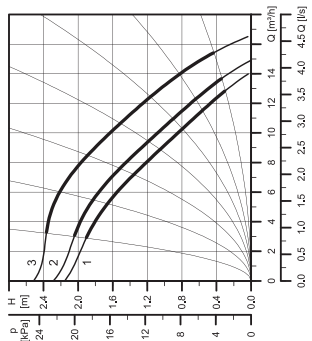
|                 |      |      |      |
|-----------------|------|------|------|
| $t_{in}$ [°C]   | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0.05 | 0.15 | 1.45 |

### Electrical data

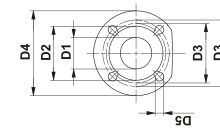
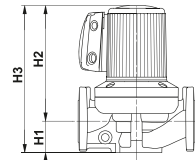
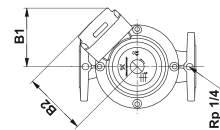
| Speed   | P <sub>max</sub> [W] | P <sub>min</sub> [W] | I/1 [A] | I/1 [A] | Cos φ |
|---------|----------------------|----------------------|---------|---------|-------|
|         |                      |                      |         |         |       |
| Speed 1 | 80                   | 45                   | 0.17    | 0.68    |       |
| Speed 2 | 90                   | 50                   | 0.20    | 0.65    |       |
| Speed 3 | 140                  | 100                  | 0.52    | 0.39    |       |

### Energy labelling

|                 |               |
|-----------------|---------------|
| Pump type       | Energy class  |
| UPS 40-30 F 254 | 3 x 400-415 V |
|                 | D             |



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### Dimensions and weights

| Pump type       | PN       | L1 | L2  | L3  | B1  | B2 | B3 | B4 | B5 | B6  | B7  | B8  | H1 | H2  | H3  | H4 | D1 | D2 | D3      | D4  | D5    | M   | Net Gross | Ship. vol. |       |
|-----------------|----------|----|-----|-----|-----|----|----|----|----|-----|-----|-----|----|-----|-----|----|----|----|---------|-----|-------|-----|-----------|------------|-------|
| UPS 40-30 F 254 | 6/10 254 | -  | 127 | 135 | 141 | -  | 85 | 75 | -  | 120 | 118 | 110 | 68 | 249 | 317 | -  | 40 | 84 | 100/110 | 150 | 14/19 | M12 | 18.8      | 20.1       | 0.027 |

### Inlet pressure

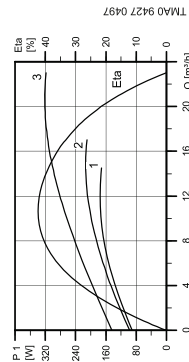
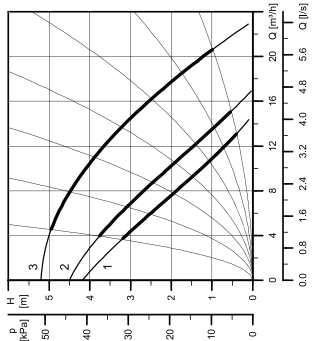
|                 |      |      |     |
|-----------------|------|------|-----|
| $t_{in}$ [°C]   | 75   | 90   | 120 |
| $H_{min}$ [bar] | 0.05 | 0.05 | 1.3 |

### Electrical data

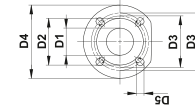
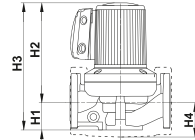
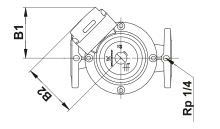
| Speed   | P <sub>max</sub> [W] | P <sub>min</sub> [W] | I/1 [A] | I/1 [A] | Cos φ |
|---------|----------------------|----------------------|---------|---------|-------|
|         |                      |                      |         |         |       |
| Speed 1 | 175                  | 90                   | 0.56    | 0.79    |       |
| Speed 2 | 215                  | 100                  | 0.66    | 0.82    |       |
| Speed 3 | 320                  | 145                  | 1.15    | 0.70    |       |

### Energy labelling

|                   |               |
|-------------------|---------------|
| Pump type         | Energy class  |
| UPS 40-60/4 F 250 | 3 x 400-415 V |
|                   | C             |



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### Dimensions and weights

| Pump type         | PN       | L1 | L2  | L3  | B1  | B2 | B3  | B4  | B5 | B6  | B7  | B8  | H1 | H2  | H3  | H4  | D1 | D2 | D3      | D4  | D5    | M   | Net Gross | Ship. vol. |       |
|-------------------|----------|----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|---------|-----|-------|-----|-----------|------------|-------|
| UPS 40-60/4 F 250 | 6/10 250 | -  | 125 | 135 | 141 | -  | 100 | 100 | -  | 120 | 134 | 134 | 75 | 231 | 306 | 115 | 40 | 84 | 100/110 | 150 | 14/19 | M12 | 20.8      | 22.4       | 0.034 |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 40-60/2 F 220

### Inlet pressure

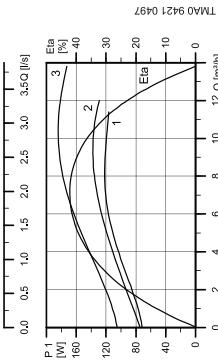
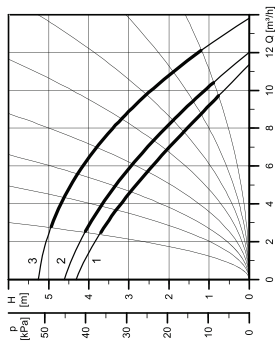
|                 |      |      |      |
|-----------------|------|------|------|
| $t_m$ [°C]      | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0.15 | 0.45 | 1.75 |

### Electrical data

| Speed   | $P_{max}$ [W] | $P_{min}$ [W] | I1/I1 | Cos $\phi$ |
|---------|---------------|---------------|-------|------------|
|         |               |               |       |            |
| Speed 1 | 120           | 70            | 0.21  | 0.82       |
| Speed 2 | 140           | 75            | 0.23  | 0.88       |
| Speed 3 | 185           | 105           | 0.39  | 0.68       |

### Energy labelling

| Energy class  |
|---------------|
| 3 x 400-415 V |
| C             |



TMA03 9421 0497

## UPS 40-60/2 F 250, UPSD 40-60/2 F 250

### Inlet pressure

|                 |      |      |      |
|-----------------|------|------|------|
| $t_m$ [°C]      | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0.15 | 0.45 | 1.75 |

### Electrical data

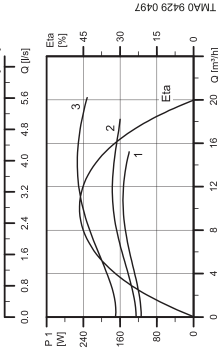
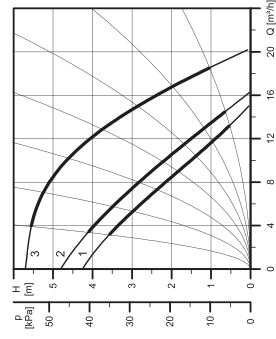
| Speed   | $P_{max}$ [W] | $P_{min}$ [W] | I1/I1 | Cos $\phi$ |
|---------|---------------|---------------|-------|------------|
|         |               |               |       |            |
| Speed 1 | 155           | 115           | 0.43  | 0.89       |
| Speed 2 | 175           | 125           | 0.50  | 0.87       |
| Speed 3 | 250           | 170           | 0.80  | 0.78       |
| Speed 1 | 155           | 115           | 0.25  | 0.89       |
| Speed 2 | 175           | 125           | 0.29  | 0.87       |
| Speed 3 | 250           | 170           | 0.46  | 0.78       |

Series 200 is also available for 1 x 230-240 V

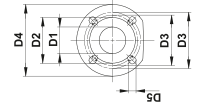
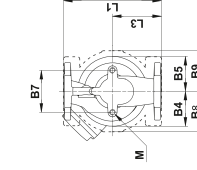
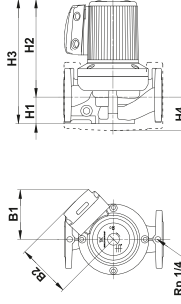
Single-head pumps are available with bronze housing, type B.

### Energy labelling

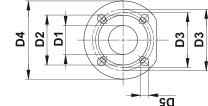
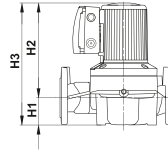
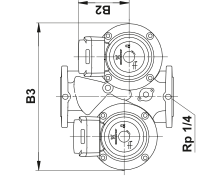
| Energy class  |
|---------------|
| 3 x 230 V     |
| 3 x 400-415 V |
| C             |
| D             |
| D             |



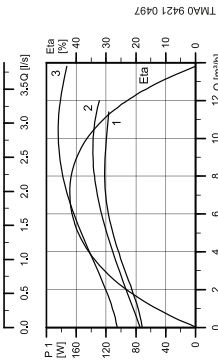
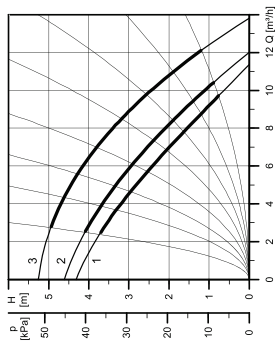
TMA03 9429 0497



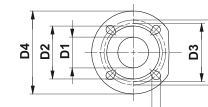
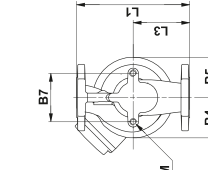
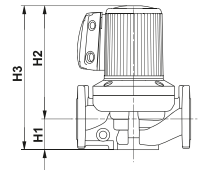
TM02 0701 3601



TM02 0703 3601



TMA03 9421 0497



TM03 2075 3605

### Dimensions and weights

| Pump type          | PN       | Dimensions [mm] |     |     |     |    |    |    |    |     |     | Weights [kg] |     |     |     |     |    |         |         |       |       |      |      |           |            |       |
|--------------------|----------|-----------------|-----|-----|-----|----|----|----|----|-----|-----|--------------|-----|-----|-----|-----|----|---------|---------|-------|-------|------|------|-----------|------------|-------|
|                    |          | L1              | L2  | L3  | B1  | B2 | B3 | B4 | B5 | B6  | B7  | B8           | B9  | H1  | H2  | H3  | H4 | D1      | D2      | D3    | D4    | D5   | M    | Net Gross | Ship. vol. |       |
| UPS 40-60/2 F 250  | 6/10 250 | -               | 125 | 135 | 141 | -  | 75 | 75 | -  | 80  | 110 | 110          | 68  | 248 | 316 | 103 | 40 | 84      | 100/110 | 150   | 14/19 | M12  | 16.6 | 17.9      | 0.026      | 0.026 |
| UPSD 40-60/2 F 250 | 6/10 250 | 125             | 135 | 141 | -   | 75 | 75 | -  | 80 | 110 | 110 | 68           | 248 | 316 | 103 | 40  | 84 | 100/110 | 150     | 14/19 | M12   | 16.6 | 17.9 | 0.026     | 0.026      |       |
| UPS 40-60/2 F 220  | 6/10 220 | -               | 110 | 135 | 141 | -  | 75 | 75 | -  | 80  | 110 | 110          | 68  | 242 | 310 | -   | 40 | 84      | 100/110 | 150   | 14/19 | M12  | 18.3 | 19.6      | 0.027      | 0.027 |
| UPSD 40-60/2 F 220 | 6/10 220 | 110             | 135 | 141 | -   | 75 | 75 | -  | 80 | 110 | 110 | 68           | 242 | 310 | -   | 40  | 84 | 100/110 | 150     | 14/19 | M12   | 18.3 | 19.6 | 0.027     | 0.027      |       |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 40-120 F 250, UPSD 40-120 F 250

### Inlet pressure

|                 |     |     |     |
|-----------------|-----|-----|-----|
| $t_m$ [°C]      | 75  | 90  | 120 |
| $H_{min}$ [bar] | 0.1 | 0.4 | 1.7 |

### Electrical data

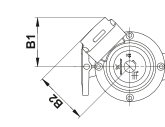
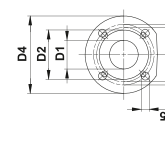
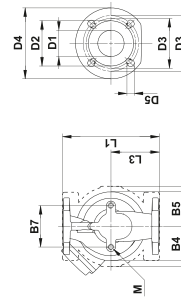
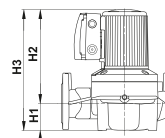
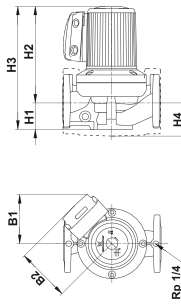
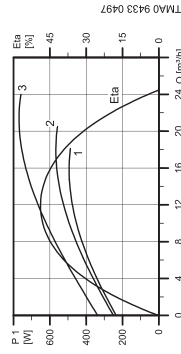
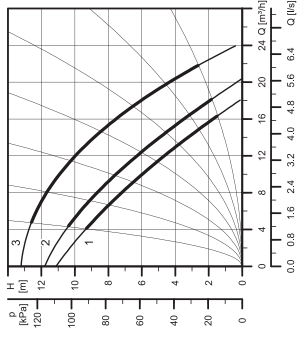
|         | $P_{max}$<br>[W] | $P_{min}$<br>[W] | I1/I1<br>[A] | Cos $\phi$ |
|---------|------------------|------------------|--------------|------------|
| Speed 1 | 290              | 175              | 0.85         | 0.85       |
| Speed 2 | 330              | 190              | 0.87         | 0.85       |
| Speed 3 | 460              | 260              | 1.60         | 0.72       |
| Speed 1 | 290              | 175              | 0.49         | 0.85       |
| Speed 2 | 330              | 190              | 0.56         | 0.85       |
| Speed 3 | 460              | 260              | 0.92         | 0.72       |

Series 200 is also available for 1 x 230-240 V

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type         | Energy class |
|-------------------|--------------|
| UPS 40-120 F 250  | C            |
| UPSD 40-120 F 250 | D            |



## UPS 40-180 F 250

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 0.4 | 0.7 | 1.95 |

### Electrical data

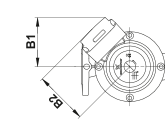
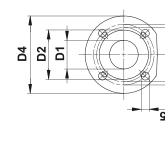
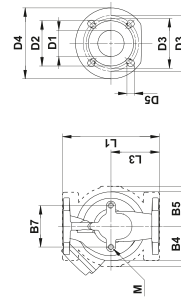
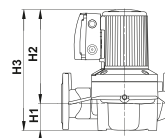
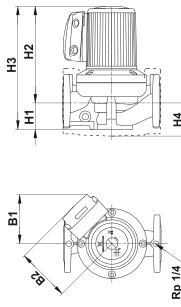
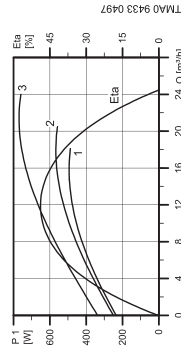
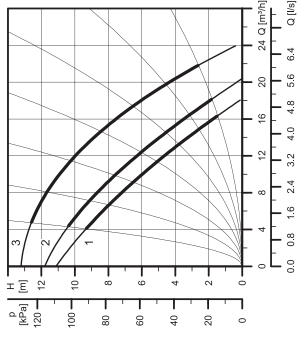
|         | $P_{max}$<br>[W] | $P_{min}$<br>[W] | I1/I1<br>[A] | Cos $\phi$ |
|---------|------------------|------------------|--------------|------------|
| Speed 1 | 490              | 235              | 1.43         | 0.86       |
| Speed 2 | 570              | 250              | 1.63         | 0.86       |
| Speed 3 | 770              | 350              | 2.26         | 0.85       |
| Speed 1 | 490              | 235              | 0.82         | 0.86       |
| Speed 2 | 570              | 250              | 0.94         | 0.86       |
| Speed 3 | 770              | 350              | 1.30         | 0.85       |

Series 200 is also available for 1 x 230-240 V

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class |
|------------------|--------------|
| UPS 40-180 F 250 | C            |
| UPS 40-180 F 250 | C            |



### Dimensions and weights

| Pump type         | PN   | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | H1  | H2  | H3 | H4  | D1  | D2  | D3 | D4 | D5      | M   | Net Gross | Ship. vol. |      |      |       |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|---------|-----|-----------|------------|------|------|-------|
| UPS 40-120 F 250  | 6/10 | 250 | -   | 125 | 135 | 141 | -   | 75  | 75  | -   | 80  | 110 | 110 | 68 | 246 | 314 | 103 | 40 | 84 | 100/110 | 150 | 14/19     | M12        | 17.7 | 19.2 | 0.026 |
| UPSD 40-120 F 250 | 6/10 | 250 | 125 | 45  | -   | 141 | 360 | 180 | 180 | 100 | 200 | -   | -   | 68 | 246 | 313 | -   | 40 | 84 | 100/110 | 150 | 14/19     | M12        | 33.0 | 37.7 | 0.044 |

\*Weights of bronze versions are approx. 10 % higher.

### Dimensions and weights

| Pump type        | PN   | L1  | L2 | L3  | B1  | B2  | B3 | B4  | B5  | B6 | B7 | H1  | H2  | H3 | H4  | D1  | D2  | D3 | D4 | D5      | M   | Net Gross | Ship. vol. |      |      |       |
|------------------|------|-----|----|-----|-----|-----|----|-----|-----|----|----|-----|-----|----|-----|-----|-----|----|----|---------|-----|-----------|------------|------|------|-------|
| UPS 40-180 F 250 | 6/10 | 250 | -  | 125 | 145 | 169 | -  | 100 | 100 | -  | 80 | 134 | 134 | 66 | 240 | 308 | 106 | 40 | 84 | 100/110 | 150 | 14/19     | M12        | 21.4 | 22.8 | 0.034 |

\*Weights of bronze versions are approx. 10 % higher.

TMA02 0701 3601

TMA0 9433 0497

TMA02 0701 3601

TMA02 0703 3601

## UPS 40-185 F 250

### Inlet pressure

|                 |      |      |     |
|-----------------|------|------|-----|
| $t_m$ [°C]      | 70   | 90   | 120 |
| $H_{min}$ [bar] | 0,55 | 0,90 | 1,8 |

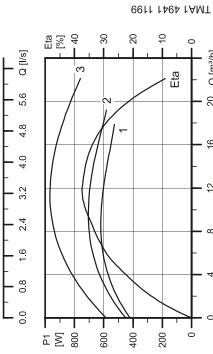
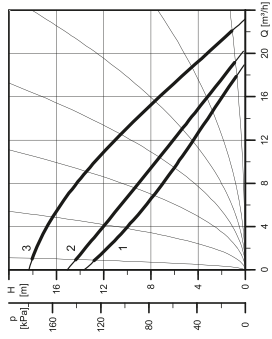
### Electrical data

| Speed   | $P_{max}$ [W] | $P_{min}$ [W] | I/I <sub>1</sub> | I/I <sub>1</sub> | Cos |
|---------|---------------|---------------|------------------|------------------|-----|
|         |               |               |                  |                  |     |
| Speed 1 | 620           | 415           | 1,04             | 0,86             |     |
| Speed 2 | 705           | 450           | 1,18             | 0,86             |     |
| Speed 3 | 975           | 580           | 1,30             | 0,78             |     |

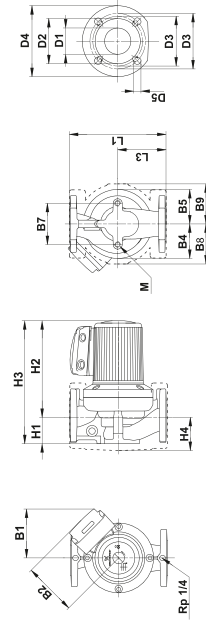
Series 200 is also available for 1 x 230-240 V

### Energy labelling

| Pump type        | Energy class |   |
|------------------|--------------|---|
|                  | C            | C |
| UPS 40-185 F 250 | C            | C |



TMA1 4941 1199



TMA2 0701 3801

### Dimensions and weights

| Pump type        | PN       | Dimensions [mm] |     |     |     |    |     |     |    |    |    | Weights [kg] |     |     |    |    |    |         |     |        |     |      |      |       |
|------------------|----------|-----------------|-----|-----|-----|----|-----|-----|----|----|----|--------------|-----|-----|----|----|----|---------|-----|--------|-----|------|------|-------|
|                  |          | L1              | L2  | L3  | B1  | B2 | B3  | B4  | B5 | B6 | B7 | B8           | B9  | H1  | H2 | H3 | H4 | D1      | D2  | D3     | D4  | D5   | M    | Net   |
| UPS 40-185 F 250 | 6/10 250 | -               | 125 | 142 | 135 | -  | 100 | 102 | -  | 96 | -  | 67           | 243 | 310 | -  | 42 | 88 | 100/110 | 150 | 147/19 | M12 | 19,7 | 21,4 | 0,034 |

## UPS 50-30 F 280, UPSD 50-30 F 280

### Inlet pressure

|                 |      |     |      |
|-----------------|------|-----|------|
| $t_m$ [°C]      | 75   | 90  | 120  |
| $H_{min}$ [bar] | 1,85 | 1,0 | 2,15 |

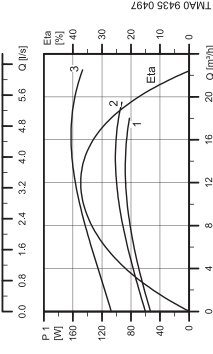
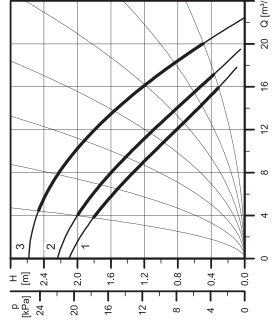
### Electrical data

| Speed   | $P_{max}$ [W] | $P_{min}$ [W] | I/I <sub>1</sub> | I/I <sub>1</sub> | Cos |
|---------|---------------|---------------|------------------|------------------|-----|
|         |               |               |                  |                  |     |
| Speed 1 | 90            | 55            | 0,37             | 0,62             |     |
| Speed 2 | 100           | 60            | 0,38             | 0,66             |     |
| Speed 3 | 160           | 105           | 0,90             | 0,44             |     |

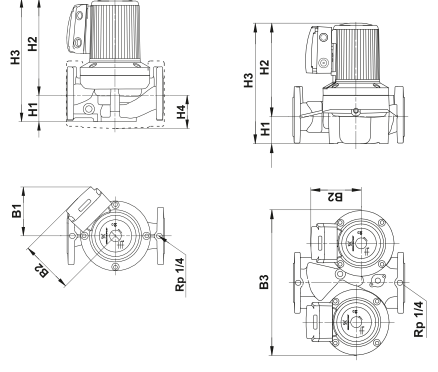
Series 200 is also available for 1 x 230-240 V.

### Energy labelling

| Pump type        | Energy class |   |
|------------------|--------------|---|
|                  | C            | C |
| UPS 50-30 F 280  | C            | C |
| UPSD 50-30 F 280 | D            | D |



TMA0 9435 0497



TMA2 0701 3801

TMA2 0703 3801

### Dimensions and weights

| Pump type        | PN       | Dimensions [mm] |     |     |     |     |     |     |     |     |     | Weights [kg] |     |     |     |     |    |         |         |        |        |      |      |       |       |
|------------------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|-----|-----|----|---------|---------|--------|--------|------|------|-------|-------|
|                  |          | L1              | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | B8           | B9  | H1  | H2  | H3  | H4 | D1      | D2      | D3     | D4     | D5   | M    | Net   | Gross |
| UPS 50-30 F 280  | 6/10 280 | -               | 140 | 135 | 141 | -   | 90  | 75  | -   | 120 | 122 | 111          | 82  | 251 | 333 | 123 | 50 | 99      | 110/125 | 165    | 147/19 | M12  | 20,7 | 22,3  | 0,054 |
| UPSD 50-30 F 280 | 6/10 280 | 125             | 60  | -   | 141 | 360 | 190 | 185 | 100 | 200 | -   | 90           | 251 | 341 | -   | 50  | 99 | 110/125 | 165     | 147/19 | M12    | 37,0 | 40,1 | 0,061 |       |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 50-60/4 F 280, UPSD 50-60/4 F 280

### Inlet pressure

|                 |      |      |      |
|-----------------|------|------|------|
| $t_m$ [°C]      | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0.05 | 0.15 | 1.45 |

### Electrical data

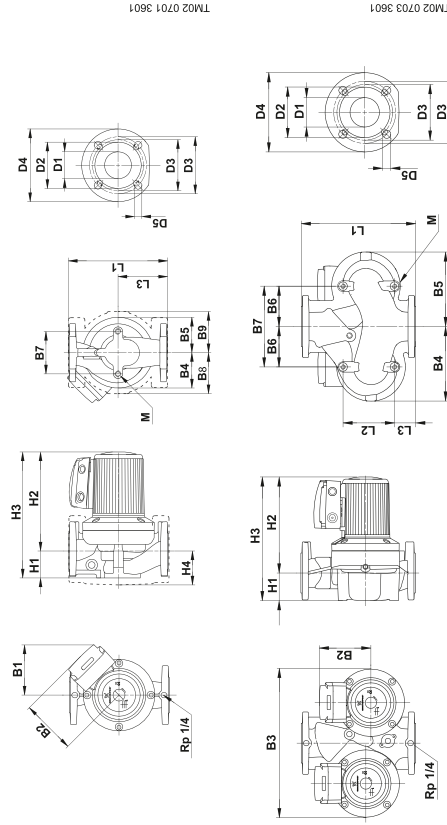
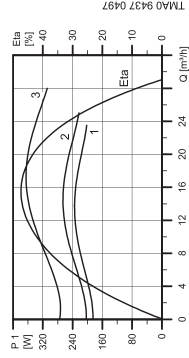
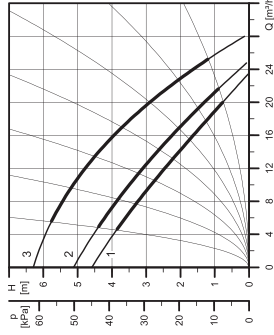
|               | Speed   | $P_{max}$ [W] | $P_{min}$ [W] | I1/I1 | I1/I1 | Cos |
|---------------|---------|---------------|---------------|-------|-------|-----|
|               |         |               |               |       |       |     |
| 3 x 230 V     | Speed 1 | 240           | 130           | 0.75  | 0.81  |     |
|               | Speed 2 | 290           | 140           | 0.87  | 0.84  |     |
|               | Speed 3 | 430           | 220           | 1.60  | 0.67  |     |
| 3 x 400-415 V | Speed 1 | 240           | 130           | 0.43  | 0.81  |     |
|               | Speed 2 | 290           | 140           | 0.50  | 0.84  |     |
|               | Speed 3 | 430           | 220           | 0.92  | 0.67  |     |

Series 200 is also available for 1 x 230-240 V

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type          | Energy class       |
|--------------------|--------------------|
| UPS 50-60/4 F 280  | 3 x 400-415 V<br>C |
| UPSD 50-60/4 F 280 | D                  |



TMA0 0701 9601

TMA0 0703 9601

### Dimensions and weights

| Pump type          | PN              | Dimensions [mm] |     |     |     |     |     |     |    |     |     | Weights [kg] |     |     |     |     |       |         |      |       |       |      |      |           |            |  |  |  |
|--------------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|----|-----|-----|--------------|-----|-----|-----|-----|-------|---------|------|-------|-------|------|------|-----------|------------|--|--|--|
|                    |                 | L1              | L2  | L3  | B1  | B2  | B3  | B4  | B5 | B6  | B7  | B8           | B9  | H1  | H2  | H3  | H4    | D1      | D2   | D3    | D4    | D5   | M    | Net Gross | Ship. vol. |  |  |  |
| UPS 50-60/4 F 280  | 6/10 280        | -               | 140 | 135 | 141 | -   | 110 | 100 | -  | 120 | 135 | 82           | 236 | 318 | 120 | 50  | 99    | 110/125 | 165  | 14/19 | M12   | 23.1 | 24.4 | 0.034     |            |  |  |  |
| UPSD 50-60/4 F 280 | 6/10 280 126 60 | -               | 169 | 450 | 225 | 120 | 240 | -   | 82 | 236 | 318 | -            | 50  | 102 | 125 | 165 | 14/19 | M12     | 48.0 | 51.0  | 0.061 |      |      |           |            |  |  |  |

\*Weights of bronze versions are approx. 10% higher.

### Inlet pressure

|                 |      |      |      |
|-----------------|------|------|------|
| $t_m$ [°C]      | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0.05 | 0.35 | 1.65 |

### Electrical data

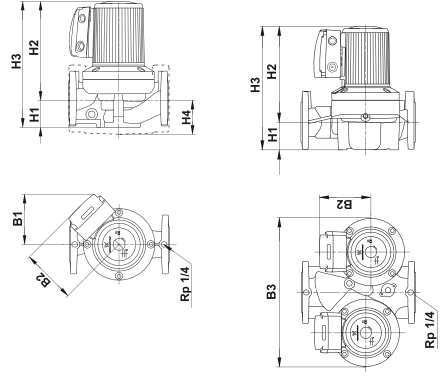
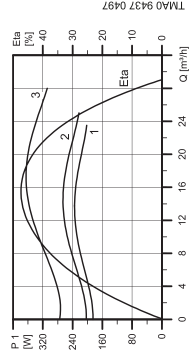
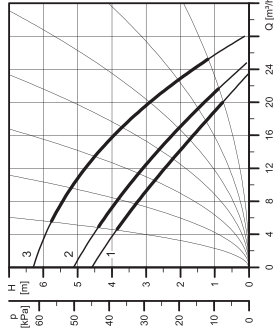
|               | Speed   | $P_{max}$ [W] | $P_{min}$ [W] | I1/I1 | I1/I1 | Cos |
|---------------|---------|---------------|---------------|-------|-------|-----|
|               |         |               |               |       |       |     |
| 3 x 230 V     | Speed 1 | 235           | 185           | 0.66  | 0.87  |     |
|               | Speed 2 | 270           | 205           | 0.78  | 0.87  |     |
|               | Speed 3 | 360           | 270           | 1.29  | 0.70  |     |
| 3 x 400-415 V | Speed 1 | 235           | 185           | 0.39  | 0.87  |     |
|               | Speed 2 | 270           | 205           | 0.45  | 0.87  |     |
|               | Speed 3 | 360           | 270           | 0.74  | 0.70  |     |

Series 200 is also available for 1 x 230-240 V

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type          | Energy class   |
|--------------------|----------------|
| UPS 50-60/2 F 280  | 3 x 230 V<br>C |
| UPSD 50-60/2 F 280 | D              |



TMA0 0701 9601

TMA0 0703 9601

### Dimensions and weights

| Pump type          | PN              | Dimensions [mm] |     |     |     |     |     |    |    |     |     | Weights [kg] |    |     |     |     |       |     |         |      |       |     |      |           |            |  |  |
|--------------------|-----------------|-----------------|-----|-----|-----|-----|-----|----|----|-----|-----|--------------|----|-----|-----|-----|-------|-----|---------|------|-------|-----|------|-----------|------------|--|--|
|                    |                 | L1              | L2  | L3  | B1  | B2  | B3  | B4 | B5 | B6  | B7  | B8           | B9 | H1  | H2  | H3  | H4    | D1  | D2      | D3   | D4    | D5  | M    | Net Gross | Ship. vol. |  |  |
| UPS 50-60/2 F 280  | 6/10 280        | -               | 140 | 135 | 141 | -   | 90  | 75 | -  | 120 | 122 | 111          | 75 | 263 | 328 | 123 | 50    | 99  | 110/125 | 165  | 14/19 | M12 | 27.7 | 28.3      | 0.043      |  |  |
| UPSD 50-60/2 F 280 | 6/10 280 125 60 | -               | 141 | 370 | 190 | 100 | 200 | -  | 75 | 254 | 329 | -            | 50 | 99  | 125 | 165 | 14/19 | M12 | 38.7    | 41.1 | 0.061 |     |      |           |            |  |  |

\*Weights of bronze versions are approx. 10% higher.

## UPS 50-60/2 F 280, UPSD 50-60/2 F 280

## UPS 50-60/2 F 300

### Inlet pressure

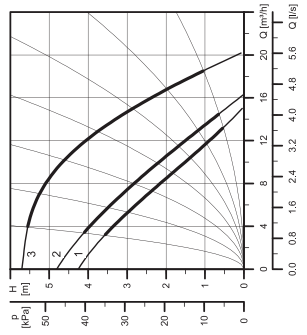
|                 |      |      |      |
|-----------------|------|------|------|
| $t_m$ [°C]      | 75   | 90   | 120  |
| $H_{min}$ [bar] | 0,05 | 0,35 | 1,65 |

### Electrical data

|         | $P_{max}$ [W] | $P_{min}$ [W] | I/I1 | Cos $\phi$ |
|---------|---------------|---------------|------|------------|
| Speed 1 | 155           | 115           | 0,25 | 0,69       |
| Speed 2 | 175           | 125           | 0,29 | 0,67       |
| Speed 3 | 250           | 170           | 0,46 | 0,78       |

### Energy labelling

|                   |                    |
|-------------------|--------------------|
| Pump type         | Energy class       |
| UPS 50-60/2 F 300 | 3 x 400-415 V<br>C |



TMA04 9429 0497

## UPS 50-120 F 280, UPSD 50-120 F 280

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 0,4 | 0,7 | 1,95 |

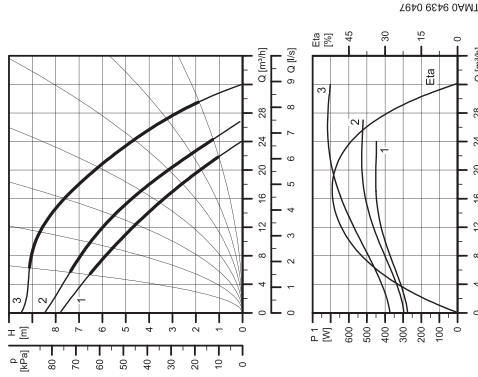
### Electrical data

|         | $P_{max}$ [W] | $P_{min}$ [W] | I/I1 | Cos $\phi$ |
|---------|---------------|---------------|------|------------|
| Speed 1 | 450           | 280           | 1,43 | 0,79       |
| Speed 2 | 530           | 300           | 1,63 | 0,81       |
| Speed 3 | 720           | 380           | 2,26 | 0,80       |

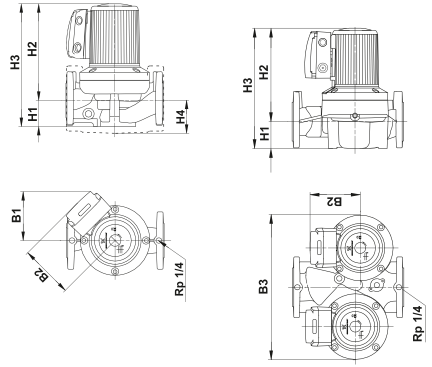
### Energy labelling

|                                       |                         |
|---------------------------------------|-------------------------|
| Pump type                             | Energy class            |
| UPS 50-120 F 280<br>UPSD 50-120 F 280 | 3 x 400-415 V<br>C<br>C |

Series 200 is also available for 1 x 230-240 V.  
Single-head pumps are available with bronze housing, type B.



TMA02 0701 3601



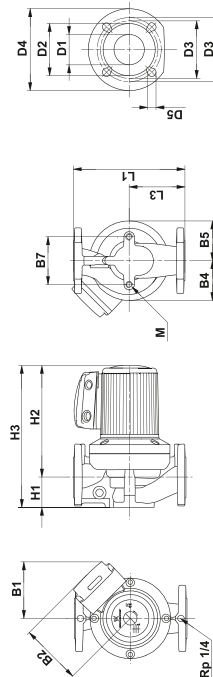
TMA02 0701 3601

TMA02 0703 3601

### Dimensions and weights

| Pump type         | PN         | Dimensions [mm] |     |     |    |    |    |    |    |    |    | Weights [kg]* |     | Ship. vol. [m³] |    |    |     |      |     |       |     |      |      |       |
|-------------------|------------|-----------------|-----|-----|----|----|----|----|----|----|----|---------------|-----|-----------------|----|----|-----|------|-----|-------|-----|------|------|-------|
|                   |            | L1              | L2  | L3  | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8            | B9  |                 | H1 | H2 | H3  | H4   | D1  | D2    | D3  | D4   | D5   | M     |
| UPS 50-60/2 F 300 | 6/10 300 - | 150             | 135 | 141 | -  | 75 | 75 | -  | 80 | -  | 68 | 248           | 316 | -               | 50 | 99 | 125 | 110/ | 165 | 14/19 | M12 | 21,8 | 23,4 | 0,034 |

TMA03 2075 3605



### Dimensions and weights

| Pump type         | PN           | Dimensions [mm] |     |     |     |     |     |     |     |     |     | Weights [kg]* |     | Ship. vol. [m³] |     |     |      |      |       |       |      |      |       |       |
|-------------------|--------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----------------|-----|-----|------|------|-------|-------|------|------|-------|-------|
|                   |              | L1              | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | B8            | B9  |                 | H1  | H2  | H3   | H4   | D1    | D2    | D3   | D4   | D5    | M     |
| UPS 50-120 F 280  | 6/10 280 -   | 140             | 145 | 169 | -   | 100 | 100 | -   | 120 | 135 | 135 | 75            | 232 | 307             | 116 | 50  | 99   | 110/ | 165   | 14/19 | M12  | 24,3 | 25,4  | 0,034 |
| UPSD 50-120 F 280 | 6/10 280 126 | 60              | -   | 169 | 450 | 225 | 120 | 240 | -   | 75  | 231 | 306           | -   | 50              | 99  | 125 | 110/ | 165  | 14/19 | M12   | 46,1 | 46,1 | 0,061 |       |

\*Weights of bronze versions are approx. 10 % higher.



## UPS 50-180 F 280, UPSD 50-180 F 280

### Inlet pressure

|                 |      |      |     |
|-----------------|------|------|-----|
| $t_m$ [°C]      | 75   | 90   | 120 |
| $H_{min}$ [bar] | 0.35 | 0.65 | 1.9 |

### Electrical data

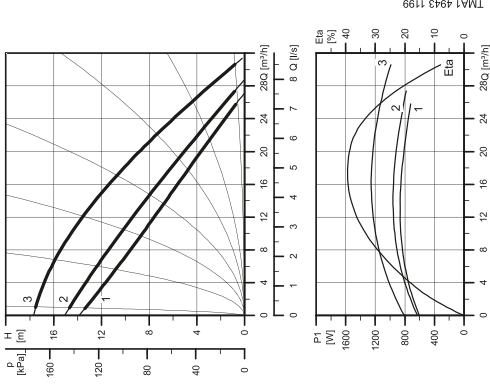
|         | $P_{max}$ [W] | $P_{min}$ [W] | $I1/1$ [A] | $I1/1$ [A] | $\cos \phi$ |
|---------|---------------|---------------|------------|------------|-------------|
| Speed 1 | 760           | 360           | 2.17       | 0.88       |             |
| Speed 2 | 850           | 380           | 2.43       | 0.88       |             |
| Speed 3 | 1000          | 520           | 3.48       | 0.72       |             |
| Speed 1 | 760           | 360           | 1.25       | 0.88       |             |
| Speed 2 | 850           | 380           | 1.40       | 0.88       |             |
| Speed 3 | 1000          | 520           | 2.00       | 0.72       |             |

Series 200 is also available for 1 x 230-240 V

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type         | Energy class    |
|-------------------|-----------------|
| UPS 50-180 F 280  | 3 x 230 V C     |
| UPSD 50-180 F 280 | 3 x 400-415 V C |



TMA1 4943 1199

## UPS 50-185 F 280

### Inlet pressure

|                 |      |     |      |
|-----------------|------|-----|------|
| $t_m$ [°C]      | 75   | 90  | 120  |
| $H_{min}$ [bar] | 1.85 | 1.0 | 2.15 |

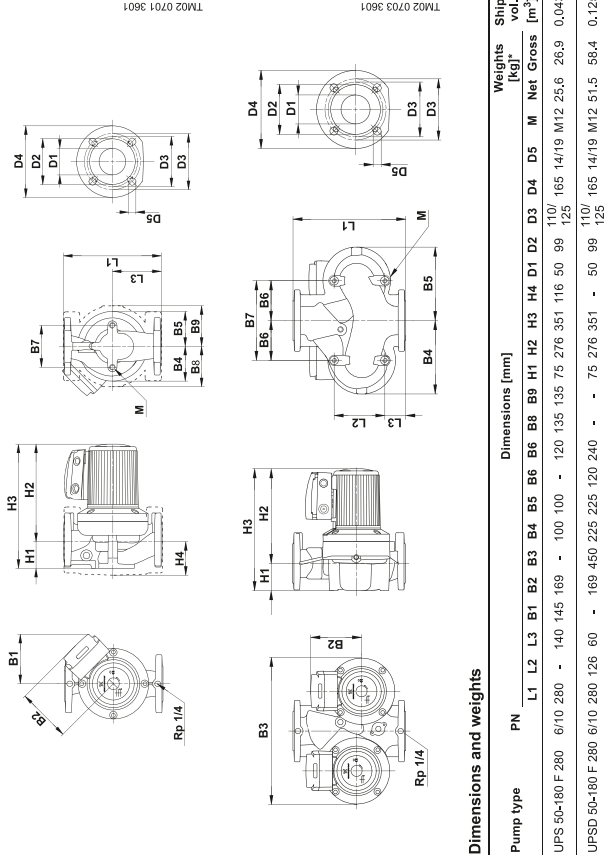
### Electrical data

|         | $P_{max}$ [W] | $P_{min}$ [W] | $I1/1$ [A] | $I1/1$ [A] | $\cos \phi$ |
|---------|---------------|---------------|------------|------------|-------------|
| Speed 1 | 1150          | 710           | 5.60       | 0.89       |             |
| Speed 2 | 1240          | 770           | 6.05       | 0.89       |             |
| Speed 3 | 1290          | 810           | 6.00       | 0.93       |             |

Series 200 is also available for 1 x 230-240 V

### Energy labelling

| Pump type        | Energy class    |
|------------------|-----------------|
| UPS 50-185 F 280 | 3 x 400-415 V D |



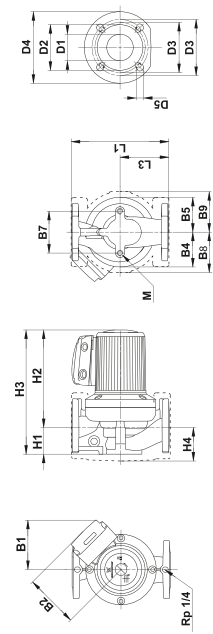
TM02 0701 3601

TM02 0703 3601

### Dimensions and weights

| Pump type         | PN              | Dimensions [mm]   | Weights [kg] | Ship. vol. [m³] |
|-------------------|-----------------|---|--------------|-----------------|
|                   |                 | L1 L2 L3 B1 B2 B3 B4 B5 B6 B8 B9 H1 H2 H3 H4 D1 D2 D3 D4 D5 M                               | Net Gross    | M Net Gross     |
| UPS 50-180 F 280  | 6/10 280        | - 140 145 169 - 100 100 - 120 135 135 75 276 351 116 50 99 125 110/185 141/19 M12 25.6 26.9 | 26.9 0.043   | 0.043           |
| UPSD 50-180 F 280 | 6/10 280 126 60 | - 169 450 225 225 120 240 - 75 276 351 - 50 89 125 110/185 141/19 M12 51.5 58.4             | 58.4 0.125   | 0.125           |

\* Weights of bronze versions are approx. 10 % higher.



TM02 0701 3601

### Dimensions and weights

| Pump type        | PN       | Dimensions [mm]  | Weights [kg] | Ship. vol. [m³] |
|------------------|----------|--|--------------|-----------------|
|                  |          | L1 L2 L3 B1 B2 B3 B4 B5 B6 B8 B9 H1 H2 H3 H4 D1 D2 D3 D4 D5 M                      | Net Gross    | M Net Gross     |
| UPS 50-185 F 280 | 6/10 280 | - 140 145 165 - 91 104 - 96 - - 75 274 349 - 50 99 110/125 165 14/19 M12 25.6 26.9 | 26.9 0.043   | 0.043           |

## UPS 65-30 F 340, UPSD 65-30 F 340

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 0.4 | 0.7 | 1.95 |

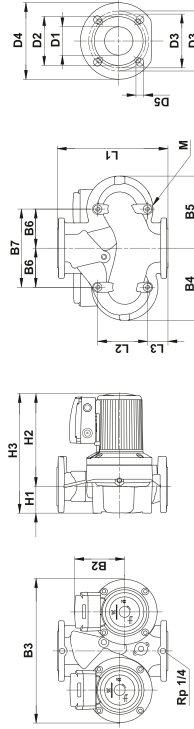
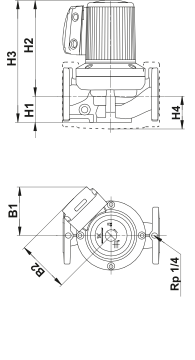
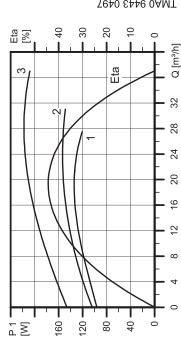
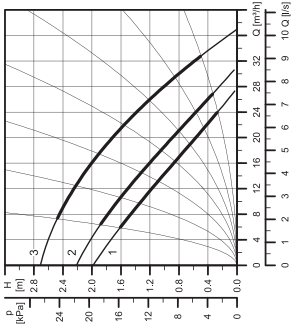
### Electrical data

|               | Speed   | $P_{max}$ [kW] | $P_{min}$ [W] | I <sub>1/1</sub> [A] | I <sub>1/1</sub> [A] | Cos $\phi_1$ |
|---------------|---------|----------------|---------------|----------------------|----------------------|--------------|
|               |         |                |               |                      |                      |              |
| 3 x 230 V     | Speed 1 | 135            | 95            | 0.42                 | 0.81                 | 0.81         |
|               | Speed 2 | 155            | 105           | 0.49                 | 0.80                 | 0.80         |
|               | Speed 3 | 215            | 145           | 0.60                 | 0.60                 | 0.60         |
| 3 x 400-415 V | Speed 1 | 135            | 95            | 0.24                 | 0.61                 | 0.61         |
|               | Speed 2 | 155            | 105           | 0.28                 | 0.60                 | 0.60         |
|               | Speed 3 | 215            | 145           | 0.52                 | 0.60                 | 0.60         |

Series 200 is also available for 1 x 230-240 V  
Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class    |
|------------------|-----------------|
| UPS 65-30 F 340  | 3 x 230 V C     |
| UPSD 65-30 F 340 | 3 x 400-415 V D |



### Dimensions and weights

| Pump type        | Dimensions [mm] |     |     |     |     |     |     |     |     |     | Weights [kg]* |     |     |     |     |     |     |     |         |         |       |       |       |      |       |       |
|------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|-----|-----|---------|---------|-------|-------|-------|------|-------|-------|
|                  | PN              | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7            | H1  | H2  | H3  | H4  | D1  | D2  | D3  | D4      | D5      | M     | Net   | Gross |      |       |       |
| UPS 65-30 F 340  | 6/10            | 340 | -   | 170 | 145 | 169 | -   | 125 | 100 | -   | 160           | 156 | 140 | 97  | 244 | 341 | 145 | 65  | 118     | 130/145 | 185   | 14/19 | M16   | 29.3 | 31.2  | 0.065 |
| UPSD 65-30 F 340 | 6/10            | 340 | 153 | 63  | -   | 169 | 470 | 230 | 240 | 120 | 240           | -   | 97  | 243 | 340 | -   | 65  | 118 | 130/145 | 185     | 14/19 | M12   | 56.5  | 65.1 | 0.125 |       |

\* Weights of bronze versions are approx. 10 % higher.

## UPS 65-60/4 F 340, UPSD 65-60/4 F 340

### Inlet pressure

|                 |      |      |     |
|-----------------|------|------|-----|
| $t_m$ [°C]      | 75   | 90   | 120 |
| $H_{min}$ [bar] | 0.55 | 0.85 | 2.1 |

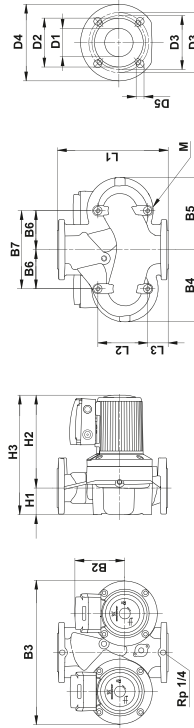
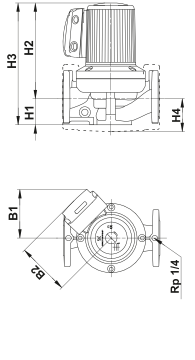
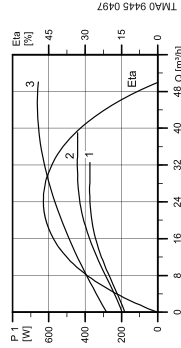
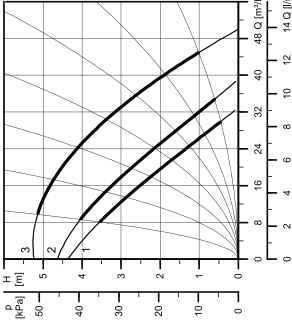
### Electrical data

|               | Speed   | $P_{max}$ [kW] | $P_{min}$ [W] | I <sub>1/1</sub> [A] | I <sub>1/1</sub> [A] | Cos $\phi_1$ |
|---------------|---------|----------------|---------------|----------------------|----------------------|--------------|
|               |         |                |               |                      |                      |              |
| 3 x 230 V     | Speed 1 | 380            | 185           | 1.18                 | 0.81                 | 0.81         |
|               | Speed 2 | 440            | 200           | 1.39                 | 0.79                 | 0.79         |
|               | Speed 3 | 660            | 290           | 2.35                 | 0.71                 | 0.71         |
| 3 x 400-415 V | Speed 1 | 380            | 185           | 0.68                 | 0.81                 | 0.81         |
|               | Speed 2 | 440            | 200           | 0.80                 | 0.79                 | 0.79         |
|               | Speed 3 | 660            | 290           | 1.35                 | 0.71                 | 0.71         |

Series 200 is also available for 1 x 230-240 V  
Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type          | Energy class    |
|--------------------|-----------------|
| UPS 65-60/4 F 340  | 3 x 230 V C     |
| UPSD 65-60/4 F 340 | 3 x 400-415 V D |



### Dimensions and weights

| Pump type          | Dimensions [mm] |     |     |     |     |     |     |     |     |     | Weights [kg]* |     |     |     |     |     |     |     |         |         |       |       |       |      |       |       |
|--------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|-----|-----|---------|---------|-------|-------|-------|------|-------|-------|
|                    | PN              | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7            | H1  | H2  | H3  | H4  | D1  | D2  | D3  | D4      | D5      | M     | Net   | Gross |      |       |       |
| UPS 65-60/4 F 340  | 6/10            | 340 | -   | 170 | 145 | 169 | -   | 125 | 100 | -   | 160           | 156 | 140 | 97  | 288 | 385 | 145 | 65  | 118     | 130/145 | 185   | 14/19 | M16   | 32.5 | 34.5  | 0.055 |
| UPSD 65-60/4 F 340 | 6/10            | 340 | 153 | 63  | -   | 169 | 470 | 240 | 240 | 120 | 240           | -   | 97  | 288 | 385 | -   | 65  | 118 | 130/145 | 185     | 14/19 | M12   | 63.0  | 69.9 | 0.125 |       |

\* Weights of bronze versions are approx. 10 % higher.



## UPS 65-120 F 280

### Inlet pressure

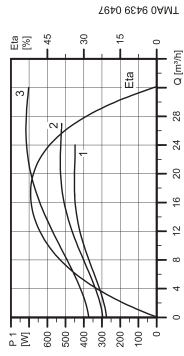
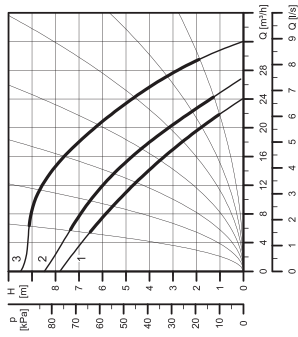
|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 0,9 | 1,2 | 2,45 |

### Electrical data

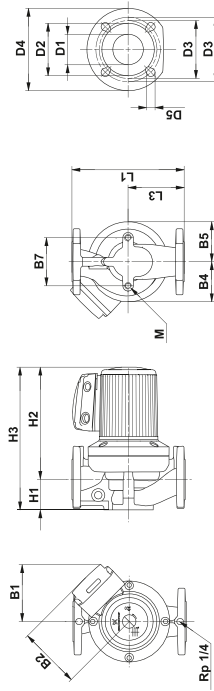
|         | $P_{max}$<br>[W] | $P_{min}$<br>[W] | I1/I1<br>[A] | cos<br>φ |
|---------|------------------|------------------|--------------|----------|
| Speed 1 | 450              | 280              | 0,82         | 0,79     |
| Speed 2 | 530              | 300              | 0,94         | 0,81     |
| Speed 3 | 720              | 380              | 1,30         | 0,80     |

### Energy labelling

| Pump type        | Energy class       |
|------------------|--------------------|
| UPS 65-120 F 280 | 3 x 400-415 V<br>C |



TM40 9439 0497



TM03 2075 3605

### Dimensions and weights

| Pump type        | PN       | Dimensions [mm] |     |     |     |    |     |     |    |    |     | Weights [kg] |    | Shipp. vol. |     |         |        |     |      |      |       |     |       |      |
|------------------|----------|-----------------|-----|-----|-----|----|-----|-----|----|----|-----|--------------|----|-------------|-----|---------|--------|-----|------|------|-------|-----|-------|------|
|                  |          | L1              | L2  | L3  | B1  | B2 | B3  | B4  | B5 | B6 | B7  | H1           | H2 | H3          | H4  | D1      | D2     | D3  | D4   | D5   | M     | Net | Gross | [m³] |
| UPS 65-120 F 280 | 6/10 280 | -               | 140 | 145 | 169 | -  | 100 | 100 | -  | 75 | 236 | 311          | -  | 65          | 118 | 130/185 | 147/19 | M12 | 25.6 | 27.1 | 0,043 |     |       |      |

## UPS 65-120 F 340, UPSD 65-120 F 340

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 0,9 | 1,2 | 2,45 |

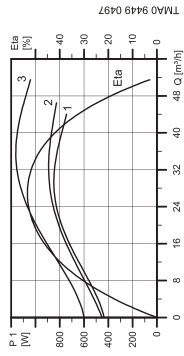
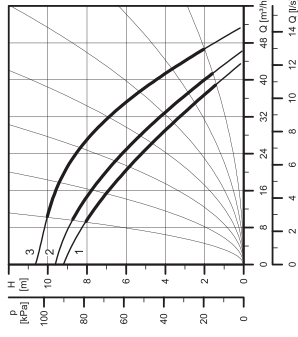
### Electrical data

|         | $P_{max}$<br>[W] | $P_{min}$<br>[W] | I1/I1<br>[A] | cos<br>φ |
|---------|------------------|------------------|--------------|----------|
| Speed 1 | 850              | 440              | 2,35         | 0,91     |
| Speed 2 | 900              | 460              | 2,52         | 0,90     |
| Speed 3 | 1150             | 600              | 3,74         | 0,77     |

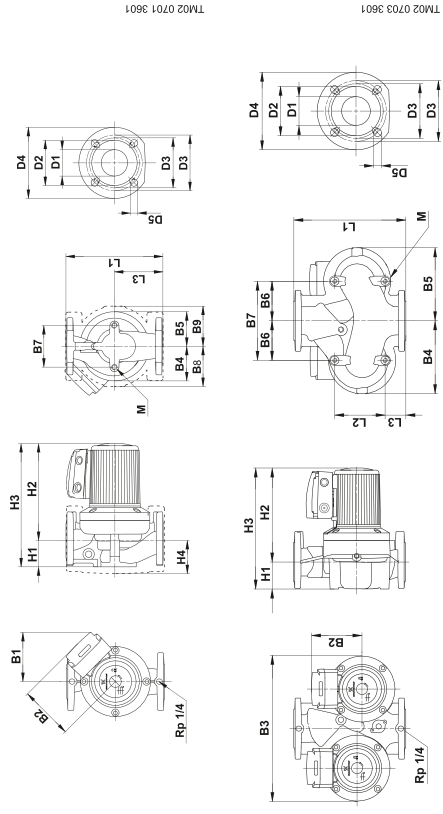
### Energy labelling

| Pump type         | Energy class   |
|-------------------|----------------|
| UPS 65-120 F 340  | 3 x 230 V<br>C |
| UPSD 65-120 F 340 | C              |

Series 200 is also available for 1 x 230-240 V  
Single-head pumps are available with bronze housing,  
type B.



TM40 9449 0497



TM02 0701 3601

TM02 0703 3601

### Dimensions and weights

| Pump type         | PN       | Dimensions [mm] |     |     |     |     |     |     |     |     |     | Weights [kg] |     | Shipp. vol. |     |     |     |     |         |         |        |      |       |       |       |
|-------------------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-------------|-----|-----|-----|-----|---------|---------|--------|------|-------|-------|-------|
|                   |          | L1              | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | H1           | H2  | H3          | H4  | D1  | D2  | D3  | D4      | D5      | M      | Net  | Gross | [m³]  |       |
| UPS 65-120 F 340  | 6/10 340 | -               | 170 | 145 | 169 | -   | 100 | 100 | -   | 120 | 140 | 140          | 140 | 82          | 285 | 367 | 127 | 65  | 118     | 130/185 | 147/19 | M12  | 27.4  | 28.8  | 0,043 |
| UPSD 65-120 F 340 | 6/10 340 | 153             | 63  | -   | 169 | 450 | 225 | 225 | 120 | 240 | -   | -            | 82  | 286         | 368 | -   | 65  | 118 | 130/185 | 147/19  | M12    | 53.0 | 60.0  | 0,125 |       |

\* Weights of bronze versions are approx. 10 % higher.



## UPS 80-30 F 360, UPSD 80-30 F 360

### Inlet pressure

|                 |      |      |     |
|-----------------|------|------|-----|
| $t_m$ [°C]      | 75   | 90   | 120 |
| $H_{min}$ [bar] | 1.15 | 1.45 | 2.7 |

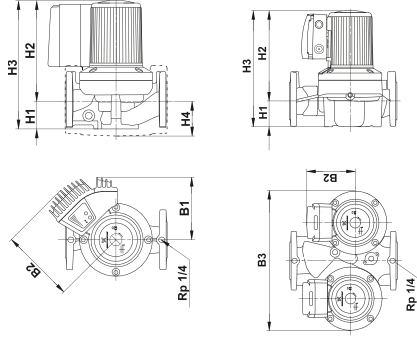
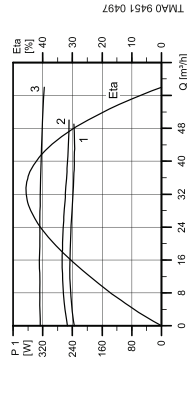
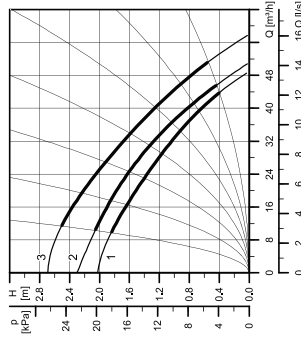
### Electrical data

|               | $P_{max}$ [W] | $P_{min}$ [W] | I1/I2 [A] | Cos $\phi$ |
|---------------|---------------|---------------|-----------|------------|
| 3 x 230 V     | 260           | 230           | 0.67      | 0.69       |
| Speed 1       | 260           | 250           | 1.01      | 0.65       |
| Speed 2       | 330           | 320           | 2.00      | 0.41       |
| 3 x 400-415 V | 240           | 230           | 0.50      | 0.69       |
| Speed 1       | 240           | 230           | 0.58      | 0.65       |
| Speed 2       | 330           | 320           | 1.15      | 0.41       |

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class  |
|------------------|---------------|
| UPS 80-30 F 360  | 3 x 230 V     |
| UPSD 80-30 F 360 | 3 x 400-415 V |
|                  | D             |
|                  | D             |



TM20 0697 3601

TM20 0815 3601

### Dimensions and weights

| Pump type        | PN | Dimensions [mm] |     |     |     |     |     |     |     |    |     |     | Weights [kg] |     |     | Ship. vol. |     |     |     |     |      |      |      |      |       |       |
|------------------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|--------------|-----|-----|------------|-----|-----|-----|-----|------|------|------|------|-------|-------|
|                  |    | L1              | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6 | B7  | B8  | B9           | H1  | H2  |            | H3  | H4  | D1  | D2  | D3   | D4   | D5   | M    | Net   | Gross |
| UPS 80-30 F 360  | 6  | 360             | -   | 180 | 145 | 169 | -   | 130 | 100 | -  | 160 | 168 | 145          | 107 | 316 | 423        | 160 | 80  | 132 | 150 | 200  | 4x19 | M16  | 38.0 | 39.9  | 0.055 |
| UPS 80-30 F 360  | 10 | 360             | -   | 180 | 145 | 169 | -   | 130 | 100 | -  | 160 | 168 | 145          | 107 | 316 | 423        | 160 | 80  | 132 | 150 | 200  | 4x19 | M16  | 38.0 | 39.9  | 0.055 |
| UPSD 80-30 F 360 | 6  | 360             | 173 | 53  | -   | 169 | 470 | 240 | 240 | -  | -   | 107 | 316          | 423 | -   | -          | 80  | 132 | 150 | 200 | 4x19 | M12  | 71.0 | 78.8 | 0.200 |       |
| UPSD 80-30 F 360 | 10 | 360             | 173 | 53  | -   | 169 | 470 | 240 | 240 | -  | -   | 107 | 316          | 423 | -   | -          | 80  | 132 | 150 | 200 | 4x19 | M12  | 71.0 | 78.8 | 0.200 |       |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 80-60 F 360, UPSD 80-60 F 360

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 1.2 | 1.5 | 2.75 |

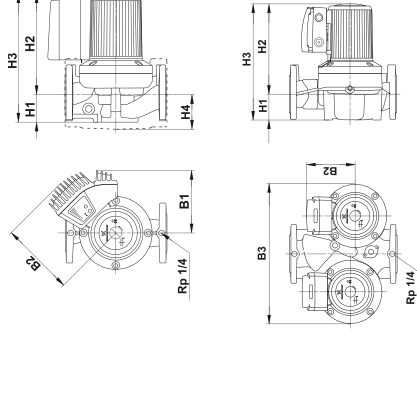
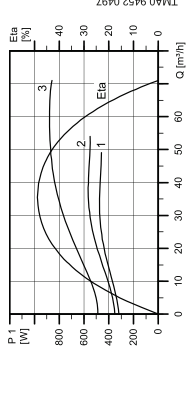
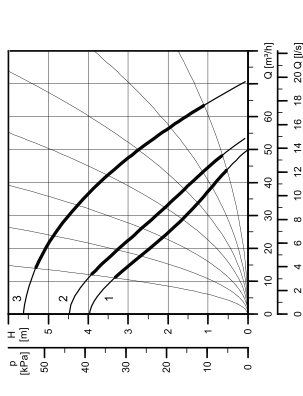
### Electrical data

|               | $P_{max}$ [W] | $P_{min}$ [W] | I1/I2 [A] | Cos $\phi$ |
|---------------|---------------|---------------|-----------|------------|
| 3 x 230 V     | 470           | 320           | 1.46      | 0.81       |
| Speed 1       | 470           | 350           | 1.74      | 0.82       |
| Speed 2       | 880           | 490           | 3.13      | 0.71       |
| 3 x 400-415 V | 470           | 320           | 0.84      | 0.81       |
| Speed 1       | 470           | 320           | 0.84      | 0.81       |
| Speed 2       | 880           | 490           | 1.80      | 0.71       |

Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type        | Energy class  |
|------------------|---------------|
| UPS 80-60 F 360  | 3 x 230 V     |
| UPSD 80-60 F 360 | 3 x 400-415 V |
|                  | C             |
|                  | D             |



TM20 0697 3601

TM20 0815 3601

### Dimensions and weights

| Pump type        | PN | Dimensions [mm] |     |     |     |     |     |     |     |     |     |     | Weights [kg] |     |     | Ship. vol. |     |     |     |     |      |      |      |      |       |       |
|------------------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|------------|-----|-----|-----|-----|------|------|------|------|-------|-------|
|                  |    | L1              | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | B8  | B9           | H1  | H2  |            | H3  | H4  | D1  | D2  | D3   | D4   | D5   | M    | Net   | Gross |
| UPS 80-60 F 360  | 6  | 360             | -   | 180 | 145 | 169 | -   | 135 | 100 | -   | 160 | 165 | 145          | 107 | 295 | 402        | 160 | 80  | 132 | 150 | 200  | 4x19 | M16  | 37.3 | 39.2  | 0.055 |
| UPS 80-60 F 360  | 10 | 360             | -   | 180 | 145 | 169 | -   | 135 | 100 | -   | 160 | 165 | 145          | 107 | 295 | 402        | 160 | 80  | 132 | 150 | 200  | 4x19 | M16  | 37.0 | 39.0  | 0.055 |
| UPSD 80-60 F 360 | 6  | 360             | 173 | 53  | -   | 169 | 490 | 250 | 240 | 240 | -   | -   | 107          | 294 | 401 | -          | 80  | 132 | 150 | 200 | 4x19 | M12  | 73.0 | 80.7 | 0.200 |       |
| UPSD 80-60 F 360 | 10 | 360             | 173 | 53  | -   | 169 | 490 | 250 | 240 | 240 | -   | -   | 107          | 294 | 401 | -          | 80  | 132 | 150 | 200 | 4x19 | M12  | 73.0 | 80.7 | 0.200 |       |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 80-120 F 360, UPSD 80-120 F 360

### Inlet pressure

|                 |     |     |      |
|-----------------|-----|-----|------|
| $t_m$ [°C]      | 75  | 90  | 120  |
| $H_{min}$ [bar] | 1,6 | 1,9 | 3,15 |

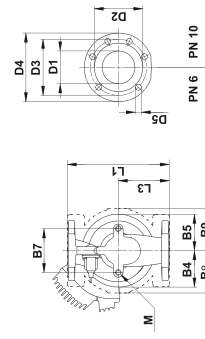
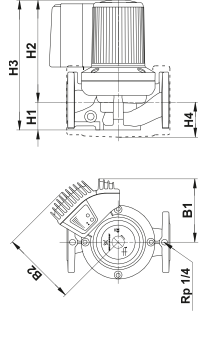
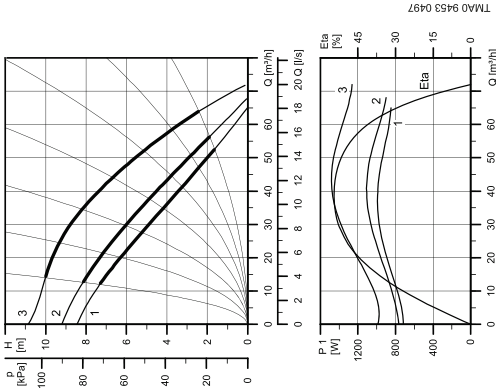
### Electrical data

|                      | P <sub>max</sub><br>[W] | P <sub>min</sub><br>[W] | I1/I1 | Cos  |
|----------------------|-------------------------|-------------------------|-------|------|
|                      |                         |                         |       |      |
| <b>3 x 230 V</b>     |                         |                         |       |      |
| Speed 1              | 1000                    | 710                     | 2,87  | 0,87 |
| Speed 2              | 1100                    | 760                     | 3,13  | 0,88 |
| Speed 3              | 1500                    | 960                     | 4,78  | 0,79 |
| <b>3 x 400-415 V</b> |                         |                         |       |      |
| Speed 1              | 1000                    | 710                     | 1,65  | 0,87 |
| Speed 2              | 1100                    | 760                     | 1,80  | 0,88 |
| Speed 3              | 1500                    | 960                     | 2,75  | 0,79 |

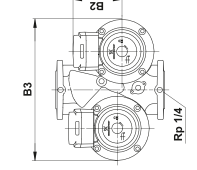
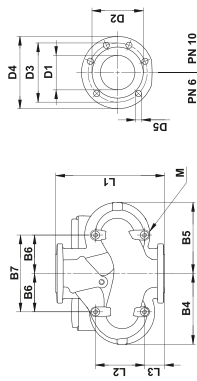
Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type         | Energy class |
|-------------------|--------------|
| UPS 80-120 F 360  | C            |
| UPSD 80-120 F 360 | C            |



TM202 0815 3601



TM202 0815 3601

### Dimensions and weights

| Pump type         | Dimensions [mm] |     |     |     |     |     |     |     |     |     |     |     |     | Weights [kg]* |     |     |     |    |     |     |     |      |     |           |            |       |
|-------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|----|-----|-----|-----|------|-----|-----------|------------|-------|
|                   | PN              | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | B8  | B9  | H1            | H2  | H3  | H4  | D1 | D2  | D3  | D4  | D5   | M   | Net Gross | Ship. vol. |       |
| UPS 80-120 F 360  | 6               | 360 | -   | 180 | 145 | 169 | -   | 125 | 100 | -   | 160 | 165 | 145 | 97            | 297 | 394 | 160 | 80 | 132 | 150 | 200 | 4x19 | M16 | 36,7      | 38,6       | 0,055 |
| UPS 80-120 F 360  | 10              | 450 | -   | 180 | 145 | 169 | -   | 125 | 100 | -   | 160 | 165 | 145 | 97            | 297 | 394 | 160 | 80 | 132 | 150 | 200 | 4x19 | M16 | 36,7      | 38,6       | 0,055 |
| UPSD 80-120 F 360 | 6               | 360 | 173 | 53  | -   | 169 | 460 | 235 | 225 | 120 | 240 | -   | -   | 97            | 294 | 391 | -   | 80 | 132 | 150 | 200 | 4x19 | M12 | 75,5      | 83,2       | 0,200 |
| UPSD 80-120 F 360 | 10              | 450 | 173 | 53  | -   | 169 | 460 | 235 | 225 | 120 | 240 | -   | -   | 97            | 294 | 391 | -   | 80 | 132 | 150 | 200 | 4x19 | M12 | 75,5      | 83,2       | 0,200 |

\*Weights of bronze versions are approx. 10 % higher.

## UPS 100-30 F 450, UPSD 100-30 F 450

### Inlet pressure

|                 |      |      |     |
|-----------------|------|------|-----|
| $t_m$ [°C]      | 75   | 90   | 120 |
| $H_{min}$ [bar] | 1,05 | 1,35 | 2,6 |

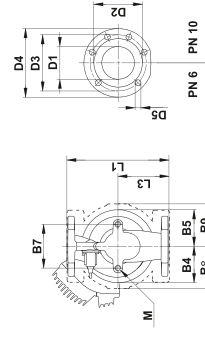
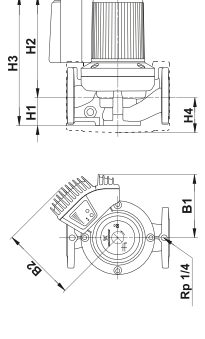
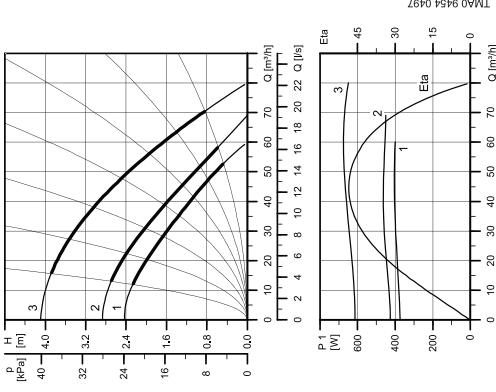
### Electrical data

|                      | P <sub>max</sub><br>[W] | P <sub>min</sub><br>[W] | I1/I1 | Cos  |
|----------------------|-------------------------|-------------------------|-------|------|
|                      |                         |                         |       |      |
| <b>3 x 230 V</b>     |                         |                         |       |      |
| Speed 1              | 410                     | 380                     | 1,25  | 0,82 |
| Speed 2              | 460                     | 430                     | 1,46  | 0,79 |
| Speed 3              | 670                     | 610                     | 2,70  | 0,62 |
| <b>3 x 400-415 V</b> |                         |                         |       |      |
| Speed 1              | 410                     | 380                     | 0,72  | 0,82 |
| Speed 2              | 460                     | 430                     | 0,84  | 0,79 |
| Speed 3              | 670                     | 610                     | 1,55  | 0,62 |

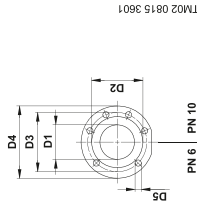
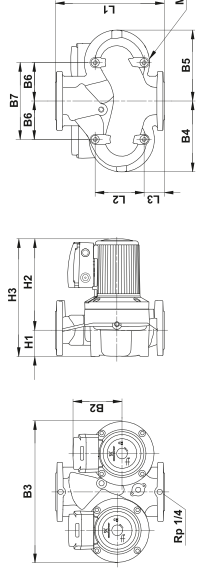
Single-head pumps are available with bronze housing, type B.

### Energy labelling

| Pump type         | Energy class |
|-------------------|--------------|
| UPS 100-30 F 450  | D            |
| UPSD 100-30 F 450 | D            |



TM202 0815 3601



TM202 0815 3601

### Dimensions and weights

| Pump type         | Dimensions [mm] |     |     |     |     |     |     |     |     |     |     |     |     | Weights [kg]* |     |     |     |     |     |     |     |      |     |           |            |       |
|-------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----------|------------|-------|
|                   | PN              | L1  | L2  | L3  | B1  | B2  | B3  | B4  | B5  | B6  | B7  | B8  | B9  | H1            | H2  | H3  | H4  | D1  | D2  | D3  | D4  | D5   | M   | Net Gross | Ship. vol. |       |
| UPS 100-30 F 450  | 6               | 450 | -   | 225 | 145 | 169 | -   | 175 | 120 | -   | 200 | 226 | 174 | 122           | 316 | 438 | 186 | 100 | 156 | 170 | 220 | 4x19 | M16 | 46,5      | 49,0       | 0,087 |
| UPS 100-30 F 450  | 10              | 450 | -   | 225 | 145 | 169 | -   | 175 | 120 | -   | 200 | 226 | 174 | 122           | 316 | 438 | 186 | 100 | 156 | 170 | 220 | 4x19 | M16 | 46,5      | 49,0       | 0,087 |
| UPSD 100-30 F 450 | 6               | 450 | 221 | 83  | -   | 169 | 595 | 280 | 315 | 140 | 280 | -   | -   | 122           | 316 | 438 | -   | 100 | 156 | 170 | 220 | 4x19 | M16 | 97,4      | 105,1      | 0,200 |
| UPSD 100-30 F 450 | 10              | 450 | 221 | 83  | -   | 169 | 595 | 280 | 315 | 140 | 280 | -   | -   | 122           | 316 | 438 | -   | 100 | 156 | 170 | 220 | 4x19 | M16 | 97,4      | 105,1      | 0,200 |

\*Weights of bronze versions are approx. 10 % higher.



ESPECIALISTAS EN CLIMATIZACION