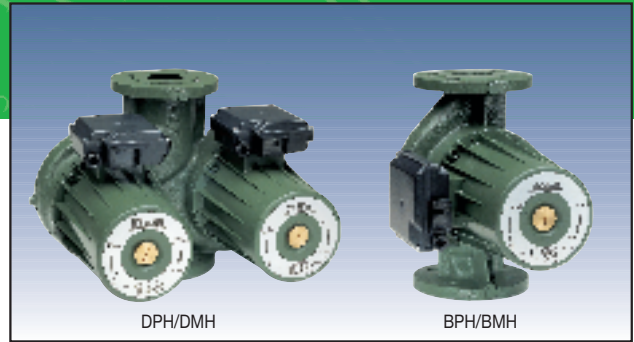


CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS



Pump for circulating hot water in small closed and pressurised or open tank civil and industrial community heating systems. Cast iron body and wet rotor motor. Die-cast aluminium motor casing. Flanged inlet and delivery mouths, fitted with threaded unions for pressure gauges. Technopolymer impeller, tempered stainless steel driving shaft. Stainless steel protective rotor sleeve and stator sleeve. Four pole asynchronous motor for the BMH and DMH versions, two pole motor for the BPH and DPH versions. The Single-phase circulator has been designed to work at three speeds - 230V, while the Three-phase circulator has been designed to work at two speeds - 230 V and at three speeds - 400 V. Thermal overload protection incorporated in the single-phase version. For the three-phase version the motor must be connected to the power supply through an external contactor. An automatic clapet type valve is incorporated into the delivery mouth of the twin version in order to prevent water from recirculating while the unit is not working; a blank flange is also supplied standard if one of the two motors must be serviced.

Protection level: IP 44

Operating range: from 1.5 to 78 m³/h with head up to 18 metres.

Liquid temperature range: for three-phase version: from -10°C to +120°C (for the models BPH-DPH 150/340.65 T and BPH-DPH 150/360.80 T; BPH-DPH 150-180/280.50 T; BPH-DPH 180/340.65 T; BPH-DPH 180/360.80 T: from -10°C to +110°C).

For single-phase version: from -10°C to +110°C.

Characteristics of pumped liquid: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max. glycol 30%).

Maximum operating pressure: 10 bar (1000 kPa).

Standard flanging: DN 40, DN 50, DN 65, DN 80 in PN 6/PN 10 (4 holes)

Flanging on request: DN 80 in PN 10/PN 16 (8 holes)

Installation: with MOTOR AXIS HORIZONTAL

Cable grommet: PG 11

ELECTRICAL DATA

BMH - DMH 1400 r.p.m.
BPH - DPH 2800 r.p.m.

| MODEL | | VOLTAGE 50 Hz | CENTRE DISTANCE mm | FLANGES ON REQUEST | ELECTRICAL DATA | | | | MINIMUM HEAD PRESSURE |
|------------------|-------------------|------------------|--------------------------|-----------------------|-----------------|-------------|-------------|---------|---|
| SINGLE | TWIN | | | | SPEED | n r.p.m. | P1 MAX W | In A | |
| BMH 30/250.40 T | *DMH 30/250.40 T | 3x230 V ~ | 250 | DN 40 - PN 10 | 2 | 1340 | 100 | 0.48 | t° 75°C 90°C 110°C 120°C m.t. 0.9 4 - 18 |
| | | 3x400 V ~ | | | 1 | 1260 | 88 | 0.39 | |
| BPH 60/250.40 M | *DPH 60/250.40 M | 1x230 V ~ | 250 | DN 40 - PN 10 | 3 | 2830 | 316 | 1.43 | t° 75°C 90°C 110°C 120°C m.t. 1.6 4 14 - |
| | | 2 | | | 2750 | 309 | 1.53 | | |
| | | 1 | | | 2410 | 292 | 1.51 | | |
| BPH 60/250.40 T | *DPH 60/250.40 T | 3x230 V ~ | 250 | DN 40 - PN 10 | 2 | 2570 | 253 | 0.81 | t° 75°C 90°C 110°C 120°C m.t. 1.6 4 - 19 |
| | | 1 | | | 2420 | 229 | 0.72 | | |
| | | 3 | | | 2850 | 348 | 0.99 | | |
| | | 2 | | | 2810 | 316 | 0.75 | | |
| BPH 120/250.40 M | *DPH 120/250.40 M | 1x230 V ~ | 250 | DN 40 - PN 10 | 3 | 2650 | 510 | 2.24 | t° 75°C 90°C 110°C 120°C m.t. 6 9 18 - |
| | | 2 | | | 2320 | 498 | 2.35 | | |
| | | 1 | | | 1520 | 376 | 1.96 | | |
| BPH 120/250.40 T | *DPH 120/250.40 T | 3x230 V ~ | 250 | DN 40 - PN 10 | 2 | 2300 | 395 | 1.2 | t° 75°C 90°C 110°C 120°C m.t. 6 9 - 23 |
| | | 1 | | | 2070 | 340 | 1.07 | | |
| | | 3 | | | 2780 | 536 | 1.16 | | |
| | | 2 | | | 2710 | 499 | 0.98 | | |
| BMH 30/280.50 T | *DMH 30/280.50 T | 3x230 V ~ | 280 | DN 50 - PN 10 | 2 | 1390 | 148 | 0.7 | t° 75°C 90°C 110°C 120°C m.t. 0.9 4 - 18 |
| | | 1 | | | 1340 | 134 | 0.55 | | |
| | | 3 | | | 1460 | 255 | 1.12 | | |
| BMH 60/280.50 T | *DMH 60/280.50 T | 3x230 V ~ | 280 | DN 50 - PN 10 | 2 | 1210 | 272 | 0.94 | t° 75°C 90°C 110°C 120°C m.t. 4 7.5 - 21 |
| | | 1 | | | 1120 | 240 | 0.8 | | |
| | | 3 | | | 1400 | 410 | 1.2 | | |
| | | 2 | | | 1360 | 367 | 0.95 | | |
| BPH 60/280.50 M | *DPH 60/280.50 M | 1x230 V ~ | 280 | DN 50 - PN 10 | 3 | 2840 | 595 | 2.79 | t° 75°C 90°C 110°C 120°C m.t. 1.6 6 14 - |
| | | 2 | | | 2730 | 540 | 2.45 | | |
| | | 1 | | | 2200 | 506 | 2.58 | | |
| BPH 60/280.50 T | *DPH 60/280.50 T | 3x230 V ~ | 280 | DN 50 - PN 10 | 2 | 2670 | 464 | 1.35 | t° 75°C 90°C 110°C 120°C m.t. 1.6 6 - 19 |
| | | 1 | | | 2570 | 432 | 1.23 | | |
| | | 3 | | | 2890 | 589 | 1.31 | | |
| | | 2 | | | 2860 | 546 | 1.1 | | |
| BPH 120/280.50 M | *DPH 120/280.50 M | 1x230 V ~ | 280 | DN 50 - PN 10 | 3 | 2690 | 870 | 3.97 | t° 75°C 90°C 110°C 120°C m.t. 2 5 - 20 |
| | | 2 | | | 2360 | 800 | 3.69 | | |
| | | 1 | | | 1340 | 590 | 3.12 | | |
| BPH 120/280.50 T | *DPH 120/280.50 T | 3x230 V ~ | 280 | DN 50 - PN 10 | 2 | 2430 | 683 | 1.95 | t° 75°C 90°C 110°C 120°C m.t. 2 5 - 20 |
| | | 1 | | | 2240 | 605 | 1.75 | | |
| | | 3 | | | 2810 | 898 | 1.67 | | |
| | | 2 | | | 2740 | 840 | 1.47 | | |
| BPH 150/280.50 T | *DPH 150/280.50 T | 3x230 V ~ | 280 | DN 50 - PN 10 | 1 | 2260 | 603 | 1 | t° 75°C 90°C 110°C 120°C m.t. 2 5 - 20 |
| | | 2 | | | 2553 | 1130 | 3.22 | | |
| | | 1 | | | 2420 | 1032 | 3 | | |
| | | 3 | | | 2850 | 1470 | 2.9 | | |
| BPH 180/280.50 T | *DPH 180.280.50 T | 3x230 V ~ | 280 | DN 50 - PN 10 | 2 | 2802 | 1360 | 2.5 | t° 75°C 90°C 110°C 120°C m.t. 2 5 - 20 |
| | | 1 | | | 2425 | 1030 | 1.7 | | |
| | | 2 | | | 2520 | 1230 | 3.5 | | |
| | | 1 | | | 2340 | 1120 | 3.2 | | |
| BPH 180/280.50 T | *DPH 180.280.50 T | 3x400 V ~ | 280 | DN 50 - PN 10 | 3 | 2830 | 1630 | 3 | t° 75°C 90°C 110°C 120°C m.t. 2 5 - 20 |
| | | 2 | | | 2780 | 1540 | 2.70 | | |
| | | 1 | | | 2360 | 1130 | 1.85 | | |

*Hydraulic values refer to one motor.

ELECTRICAL DATA

BMH - DMH 1400 r.p.m.
BPH - DPH 2800 r.p.m.

| MODEL | | VOLTAGE 50 Hz | CENTRE DISTANCE mm | FLANGES ON REQUEST | ELECTRICAL DATA | | | | MINIMUM HEAD PRESSURE |
|------------------|-------------------|------------------|--------------------------|-----------------------|-----------------|-------------|-------------|---------|---|
| SINGLE | TWIN | | | | SPEED | n r.p.m. | P1 MAX W | In A | |
| BMH 30/340.65 T | *DMH 30/340.65 T | 3x230 V ~ | 340 | DN 65 - PN 10 | 2 | 1360 | 170 | 0,73 | t° 75°C 90°C 110°C 120°C m.t. 4 7,5 - 21 |
| | | | | | 1 | 1310 | 154 | 0,60 | |
| | | 3x400 V ~ | | | 3 | 1450 | 270 | 1,12 | |
| | | | | | 2 | 1430 | 233 | 0,84 | |
| | | 1 | | | 1310 | 150 | 0,35 | | |
| | | | | | | | | | |
| BMH 60/340.65 T | *DMH 60/340.65 T | 3x230 V ~ | 340 | DN 65 - PN 10 | 2 | 1170 | 295 | 1 | t° 75°C 90°C 110°C 120°C m.t. 4 7,5 - 21 |
| | | | | | 1 | 1070 | 257 | 0,85 | |
| | | 3x400 V ~ | | | 3 | 1380 | 445 | 1,2 | |
| | | | | | 2 | 1350 | 403 | 0,97 | |
| | | 1 | | | 1090 | 255 | 0,49 | | |
| | | | | | | | | | |
| BPH 60/340.65 M | *DPH 60/340.65 M | 1x230 V ~ | 340 | DN 65 - PN 10 | 3 | 2780 | 735 | 3,37 | t° 75°C 90°C 110°C 120°C m.t. 1 4 13 - |
| | | | | | 2 | 2580 | 685 | 3,13 | |
| | | | | | 1 | 1460 | 564 | 3,12 | |
| BPH 60/340.65 T | *DPH 60/340.65 T | 3x230 V ~ | 340 | DN 65 - PN 10 | 2 | 2550 | 582 | 1,67 | t° 75°C 90°C 110°C 120°C m.t. 1 4 - 18 |
| | | | | | 1 | 2380 | 532 | 1,53 | |
| | | 3x400 V ~ | | | 3 | 2850 | 756 | 1,5 | |
| | | | | | 2 | 2800 | 705 | 1,3 | |
| | | 1 | | | 2400 | 535 | 0,9 | | |
| | | | | | | | | | |
| BPH 120/340.65 T | *DPH 120/340.65 T | 3x230 V ~ | 340 | DN 65 - PN 10 | 2 | 2630 | 1001 | 2,85 | t° 75°C 90°C 110°C 120°C m.t. 6 9 - 22 |
| | | | | | 1 | 2500 | 940 | 2,66 | |
| | | 3x400 V ~ | | | 3 | 2880 | 1275 | 2,64 | |
| | | | | | 2 | 2830 | 1200 | 2,25 | |
| | | 1 | | | 2520 | 934 | 1,52 | | |
| | | | | | | | | | |
| BPH 150/340.65 T | *DPH 150/340.65 T | 3x230 V ~ | 340 | DN 65 - PN 10 | 2 | 2410 | 1345 | 3,8 | t° 75°C 90°C 110°C 120°C m.t. 7 11 18 - |
| | | | | | 1 | 2250 | 1188 | 3,36 | |
| | | 3x400 V ~ | | | 3 | 2800 | 1796 | 3,25 | |
| | | | | | 2 | 2730 | 1690 | 2,93 | |
| | | 1 | | | 2250 | 1210 | 2 | | |
| | | | | | | | | | |
| BPH 180/340.65 T | *DPH 180/340.65 T | 3x230 V ~ | 340 | DN 65 - PN 10 | 2 | 2330 | 1730 | 4,85 | t° 75°C 90°C 110°C 120°C m.t. 7 11 18 - |
| | | | | | 1 | 2100 | 1570 | 4,5 | |
| | | 3x400 V ~ | | | 3 | 2760 | 2760 | 4,2 | |
| | | | | | 2 | 2680 | 2330 | 3,8 | |
| | | 1 | | | 2150 | 1560 | 2,5 | | |
| | | | | | | | | | |
| BMH 30/360.80 T | *DMH 30/360.80 T | 3x230 V ~ | 360 | DN 80 - PN 10 | 2 | 1110 | 313 | 1,05 | t° 75°C 90°C 110°C 120°C m.t. 4 7,5 - 21 |
| | | | | | 1 | 1010 | 268 | 0,88 | |
| | | 3x400 V ~ | | | 3 | 1370 | 484 | 1,23 | |
| | | | | | 2 | 1330 | 437 | 1 | |
| | | 1 | | | 1030 | 266 | 0,51 | | |
| | | | | | | | | | |
| BMH 60/360.80 T | *DMH 60/360.80 T | 3x230 V ~ | 360 | DN 80 - PN 10 | 2 | 1180 | 535 | 1,82 | t° 75°C 90°C 110°C 120°C m.t. 2 5 - 20 |
| | | | | | 1 | 1100 | 465 | 1,55 | |
| | | 3x400 V ~ | | | 3 | 1390 | 763 | 2,04 | |
| | | | | | 2 | 1350 | 663 | 1,65 | |
| | | 1 | | | 1100 | 465 | 0,89 | | |
| | | | | | | | | | |
| BPH 120/360.80 T | *DPH 120/360.80 T | 3x230 V ~ | 360 | DN 80 - PN 10 | 2 | 2500 | 1410 | 3,95 | t° 75°C 90°C 110°C 120°C m.t. 6 10 - 22 |
| | | | | | 1 | 2340 | 1292 | 3,6 | |
| | | 3x400 V ~ | | | 3 | 2830 | 1820 | 3,3 | |
| | | | | | 2 | 2780 | 1710 | 2,93 | |
| | | 1 | | | 2350 | 1302 | 2,13 | | |
| | | | | | | | | | |
| BPH 150/360.80 T | *DPH 150/360.80 T | 3x230 V ~ | 360 | DN 80 - PN 10 | 2 | 2140 | 1984 | 5,62 | t° 75°C 90°C 110°C 120°C m.t. 7 11 18 - |
| | | | | | 1 | 1900 | 1695 | 4,82 | |
| | | 3x400 V ~ | | | 3 | 2710 | 2870 | 4,64 | |
| | | | | | 2 | 2610 | 2686 | 4,32 | |
| | | 1 | | | 1940 | 1710 | 2,85 | | |
| | | | | | | | | | |
| BPH 180/360.80 T | *DPH 180/360.80 T | 3x230 V ~ | 360 | DN 80 - PN 10 | 2 | 2380 | 1670 | 4,7 | t° 75°C 90°C 110°C 120°C m.t. 7 11 18 - |
| | | | | | 1 | 2170 | 1490 | 4,25 | |
| | | 3x400 V ~ | | | 3 | 2780 | 2310 | 4 | |
| | | | | | 2 | 2700 | 2210 | 3,5 | |
| | | 1 | | | 2200 | 1490 | 2,4 | | |
| | | | | | | | | | |

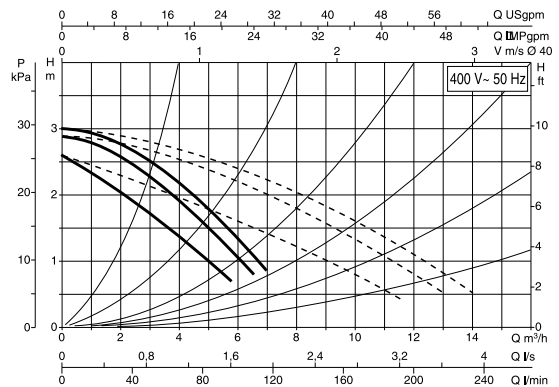
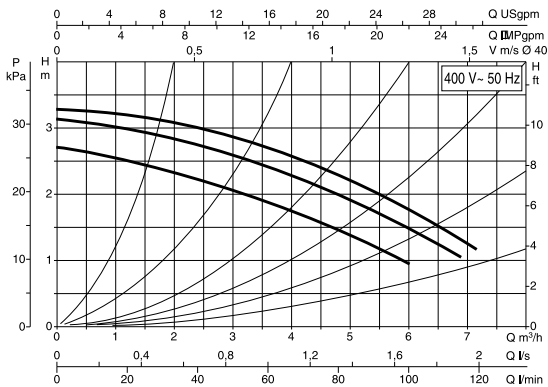
*Hydraulic values refer to one motor.

HYDRAULIC DATA

BMH 30/250.40 T

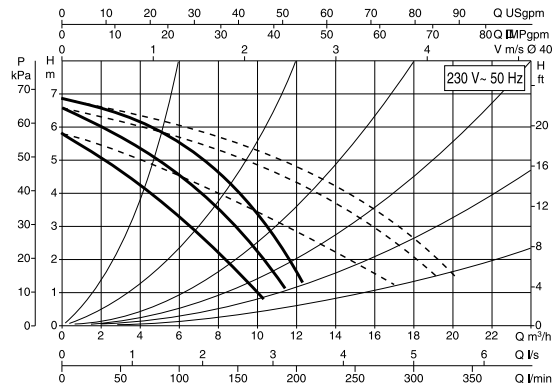
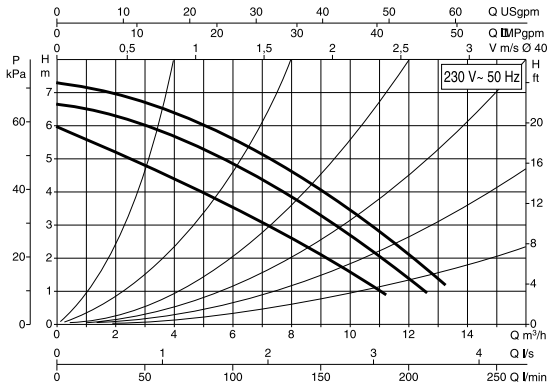
380 V~ - 400 V~

DMH 30/250.40 T



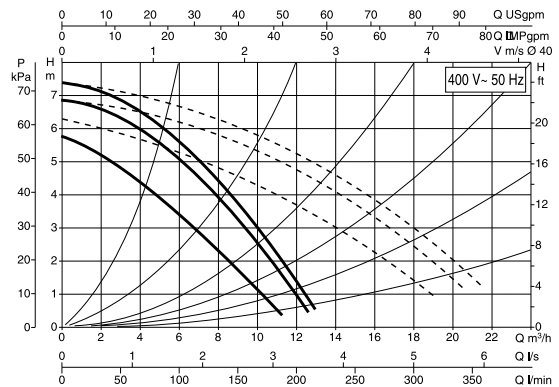
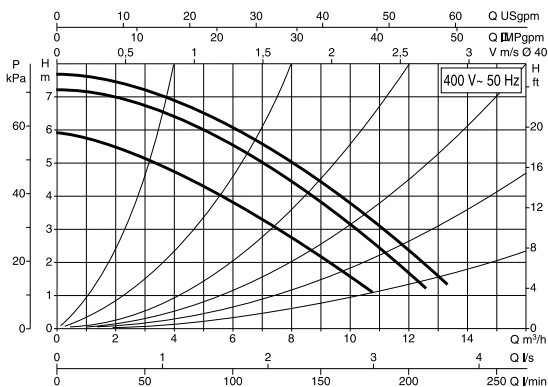
BMH 60/250.40 M

DPH 60/250.40 M



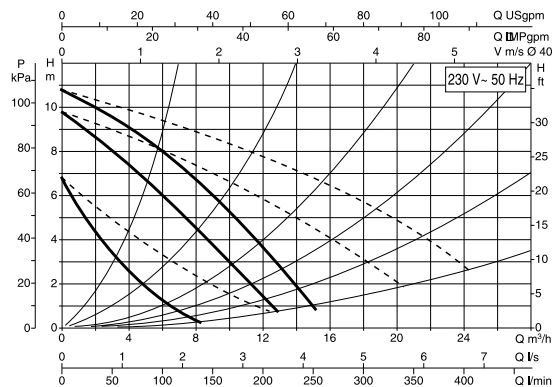
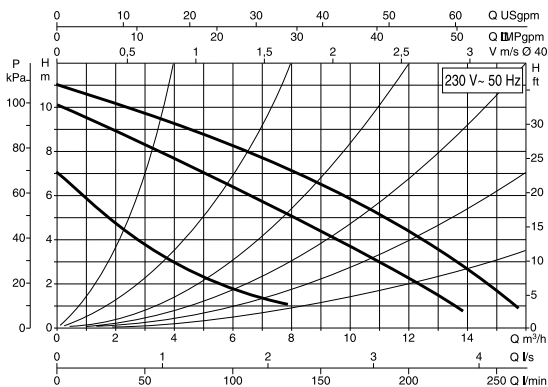
BPH 60/250.40 T

DPH 60/250.40 T



BPH 120/250.40 M

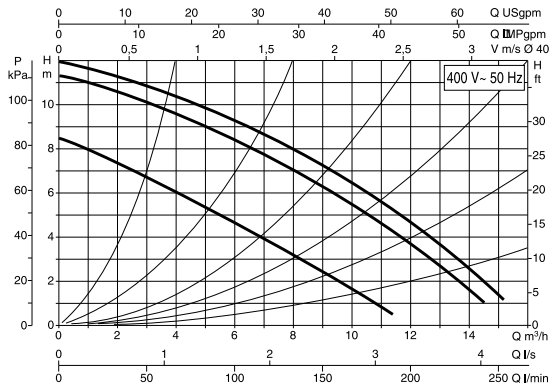
DPH 120/250.40 M



* The hydraulic data for the double versions talk about to an only motor one in operation.

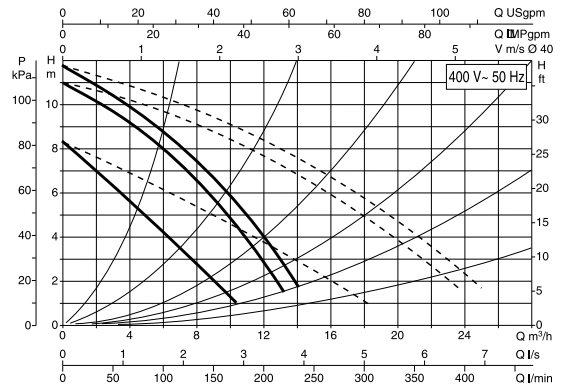
HYDRAULIC DATA

BPH 120/250.40 T

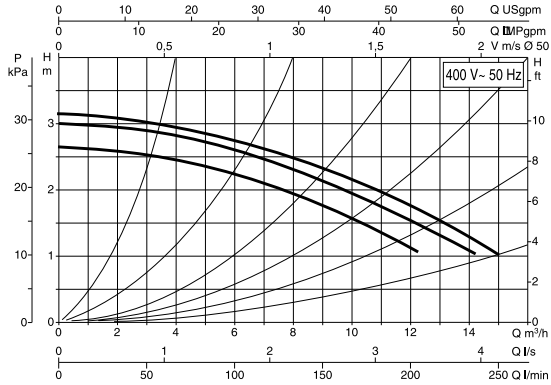


380 V~ - 400 V~

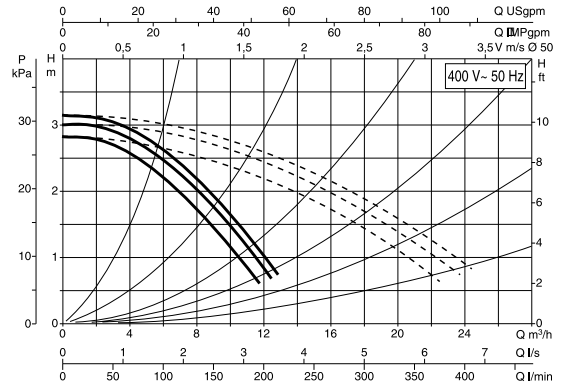
DPH 120/250.40 T



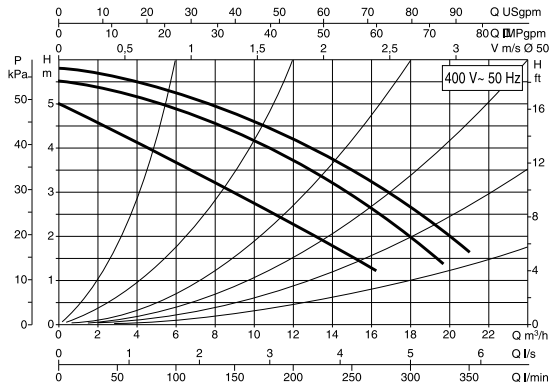
BMH 30/280.50 T



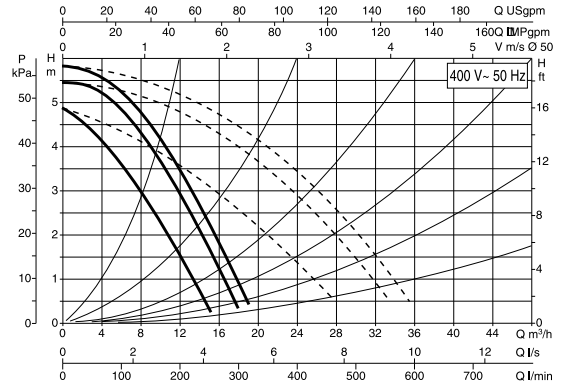
DMH 30/280.50 T



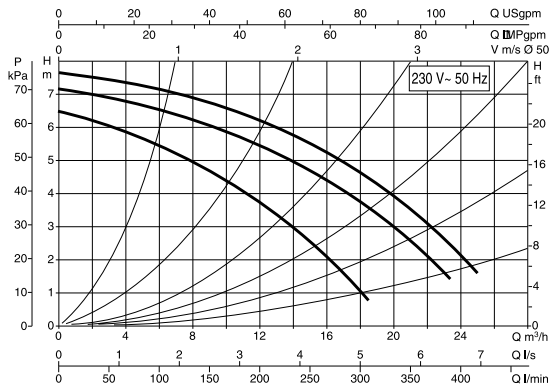
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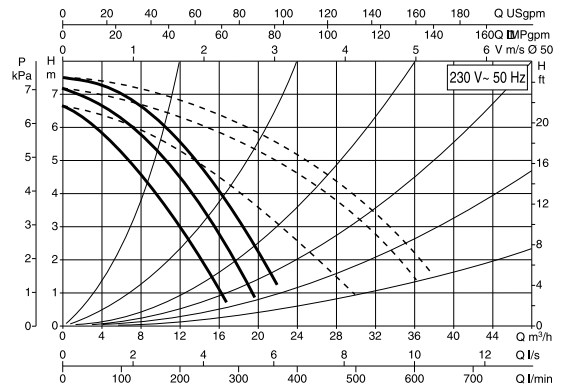
DMH 60/280.50 T



BPH 60/280.50 M



DPH 60/280.50 M

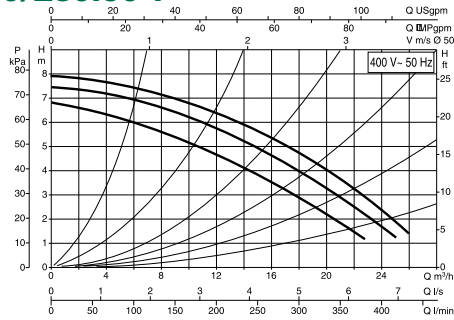


* The hydraulic data for the double versions talk about to an only motor one in operation.

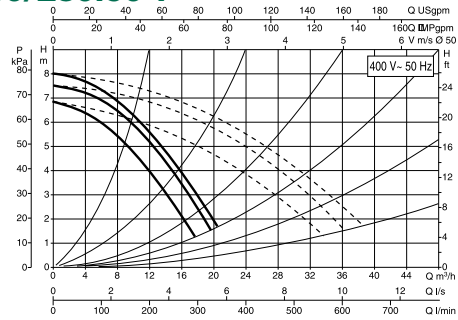
HYDRAULIC DATA

380 V~ - 400 V~

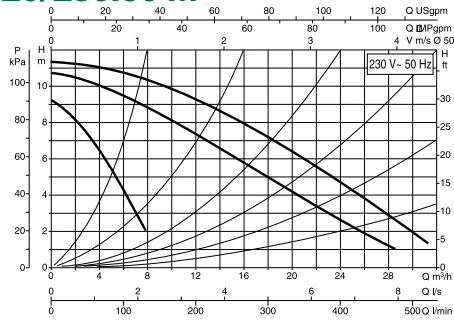
BPH 60/280.50 T



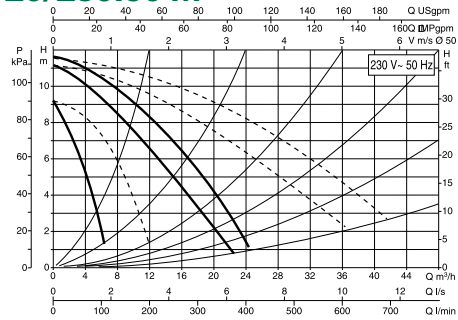
DPH 60/280.50 T



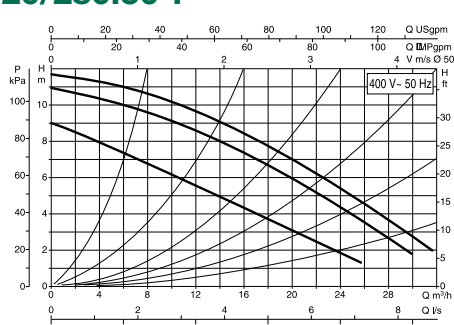
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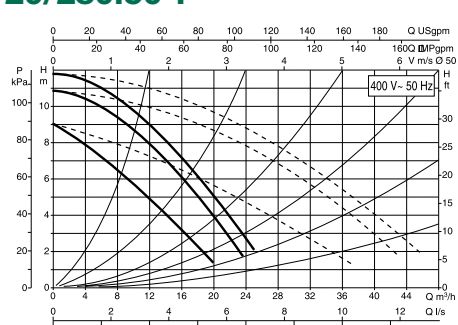
DPH 120/280.50 M



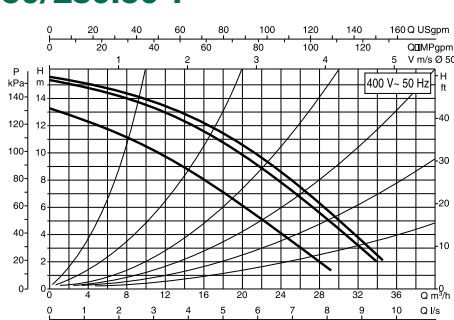
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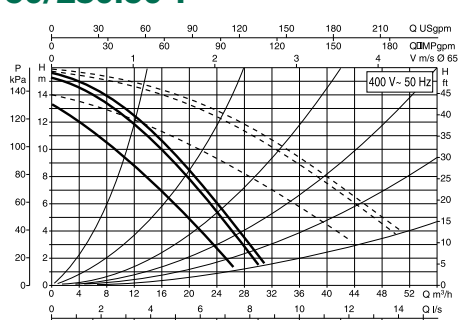
DPH 120/280.50 T



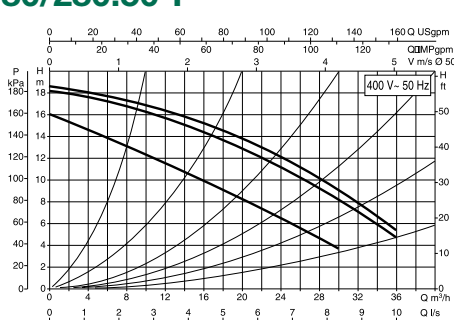
BPH 150/280.50 T



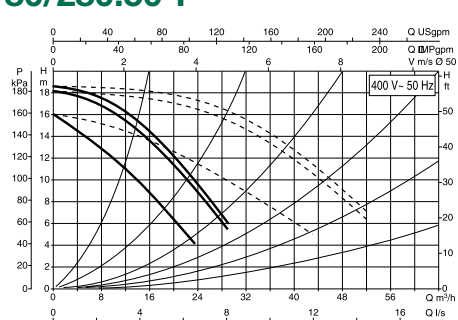
DPH 150/280.50 T



BPH 180/280.50 T



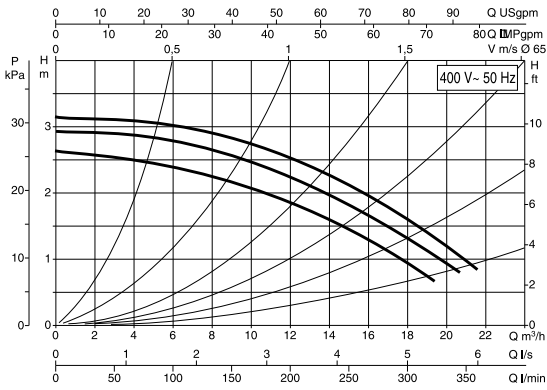
DPH 180/280.50 T



* The hydraulic data for the double versions talk about to an only motor one in operation.

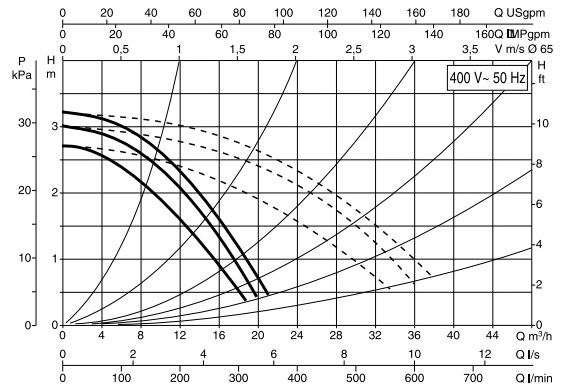
HYDRAULIC DATA

BMH 30/340.65 T

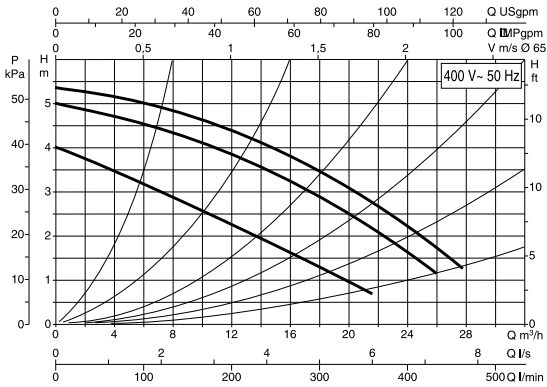


380 V~ - 400 V~

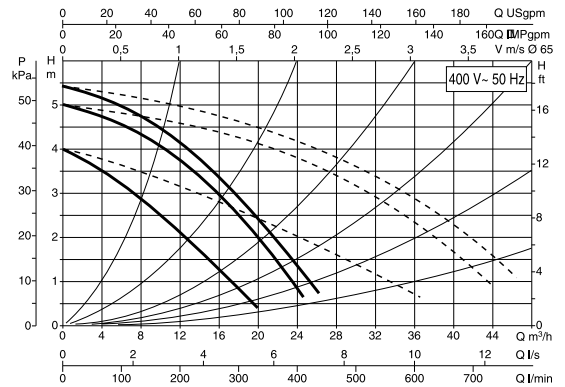
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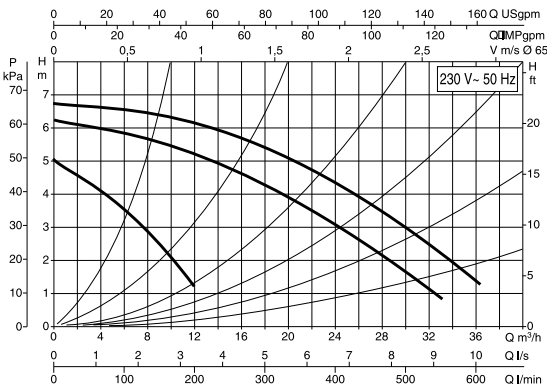
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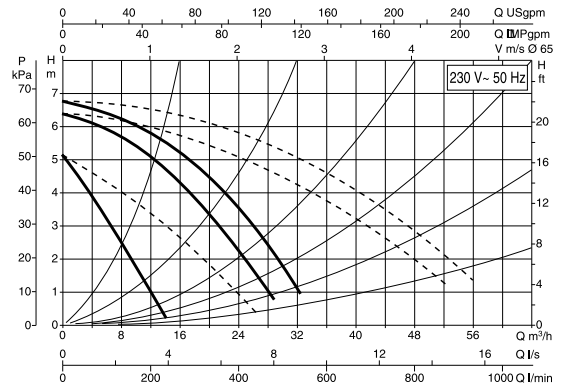
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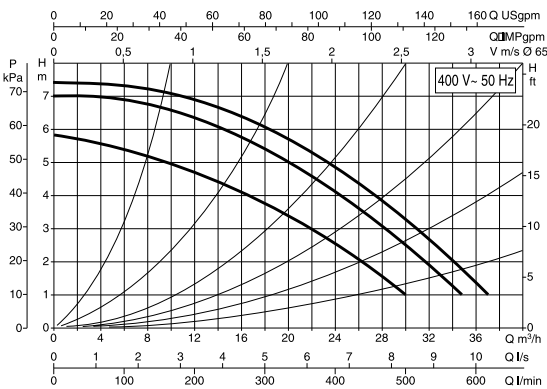
BPH 60/340.65 M



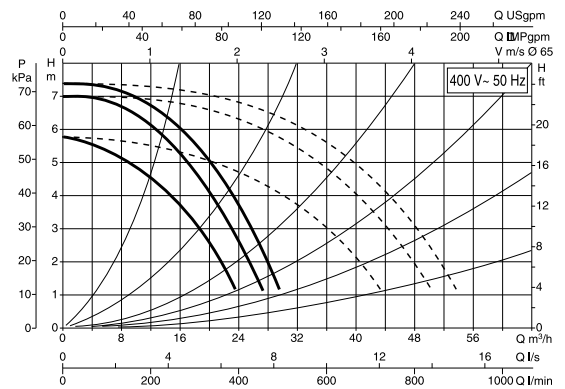
DPH 60/340.65 M



BPH 60/340.65 T



DPH 60/340.65 T

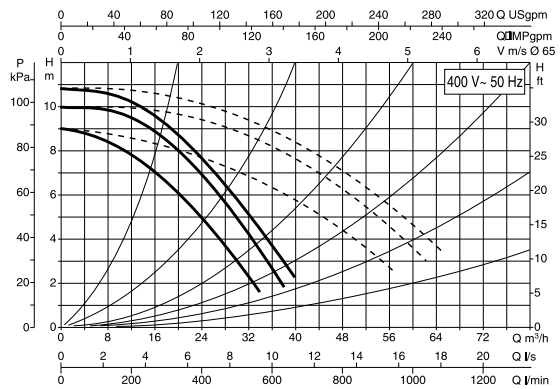
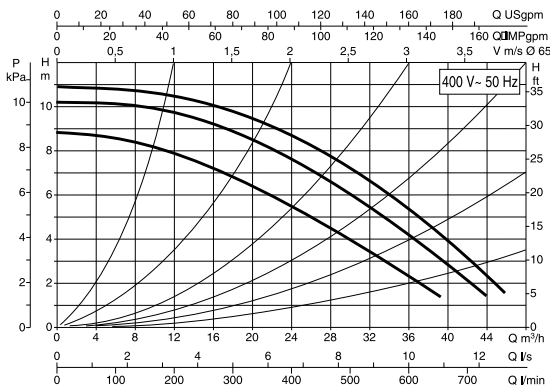


* The hydraulic data for the double versions talk about to an only motor one in operation.

HYDRAULIC DATA BPH 120/340.65 T

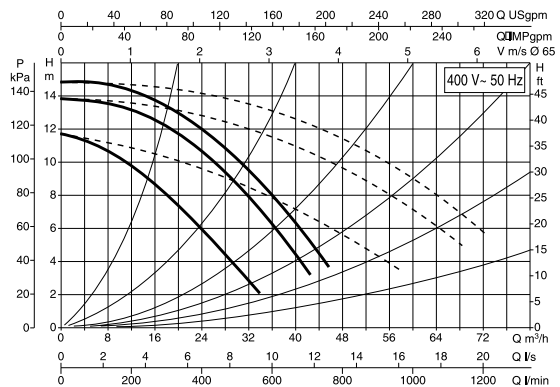
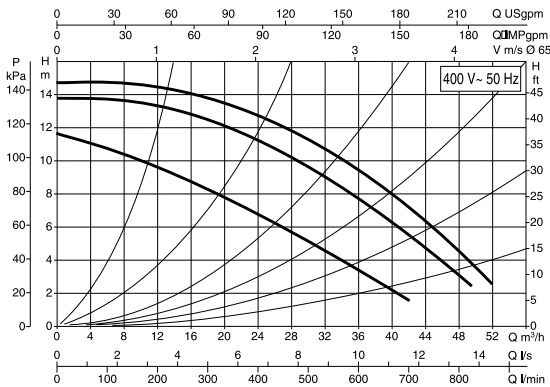
380 V~ - 400 V~

DPH 120/340.65 T



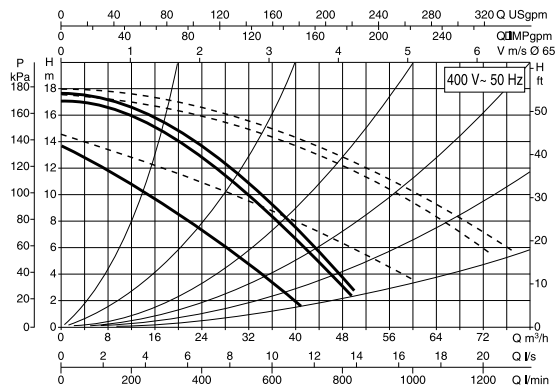
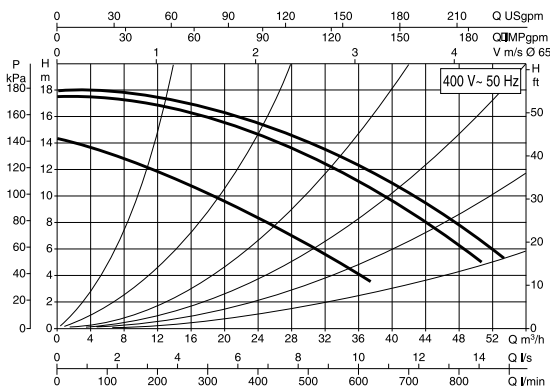
BPH 150/340.65 T

DPH 150/340.65 T



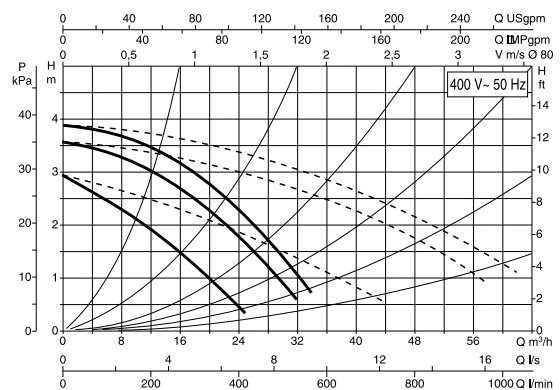
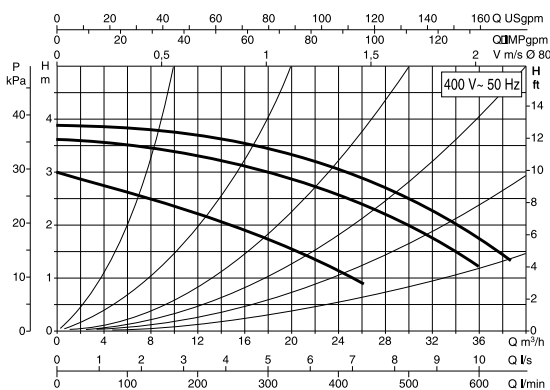
BPH 180/340.65 T

DPH 180/340.65 T



BMH 30/360.80 T

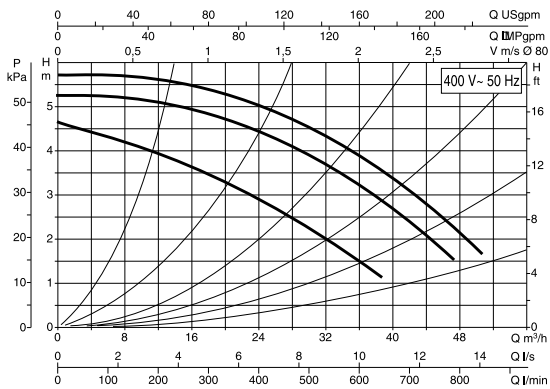
DMH 30/360.80 T



* The hydraulic data for the double versions talk about to an only motor one in operation.

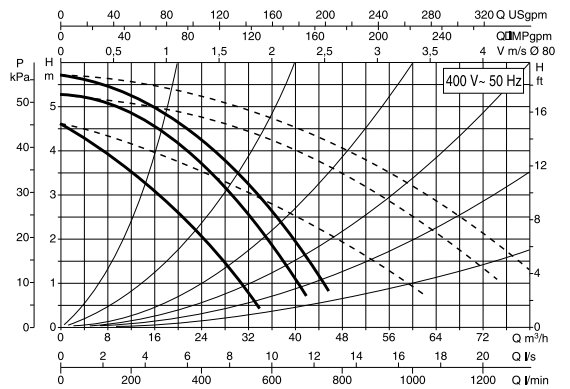
HYDRAULIC DATA

BMH 60/360.80 T

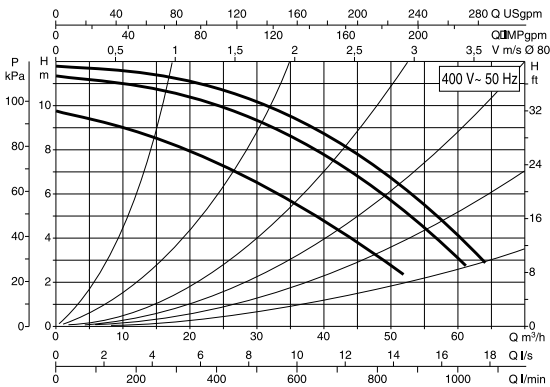


380 V~ - 400 V~

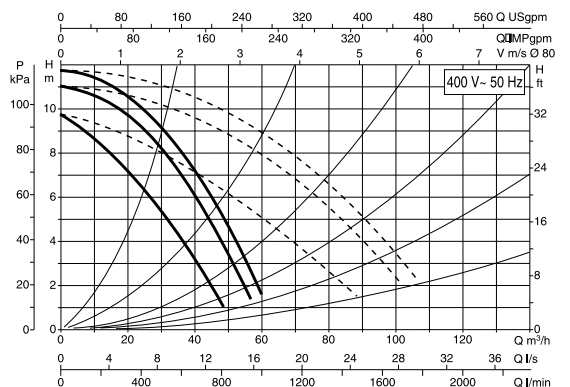
DMH 60/360.80 T



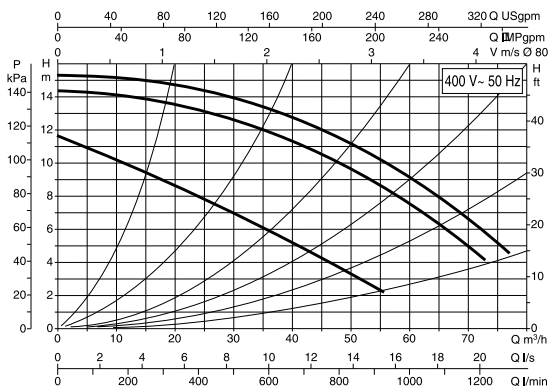
BPH 120/360.80 T



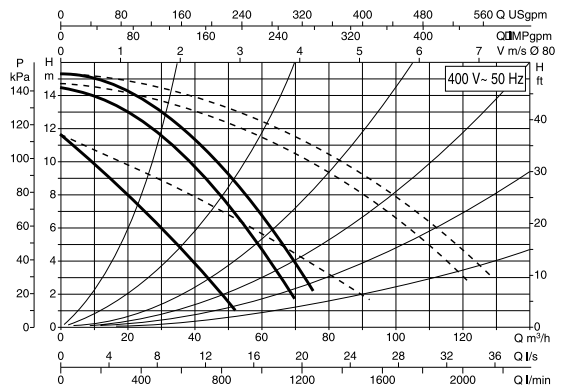
DPH 120/360.80 T



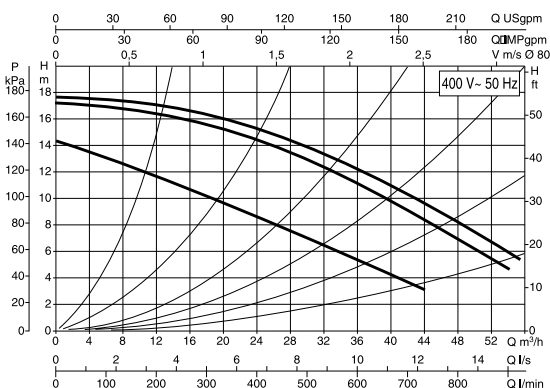
BPH 150/360.80 T



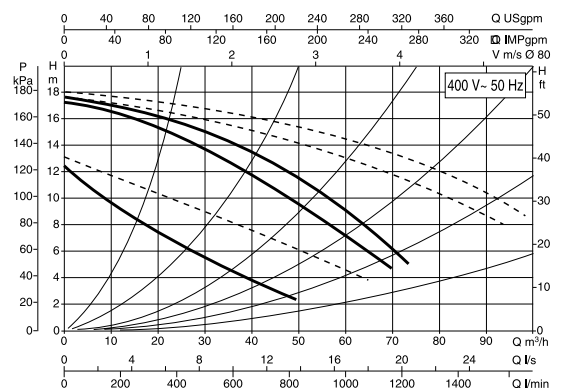
DPH 150/360.80



BPH 180/360.80 T



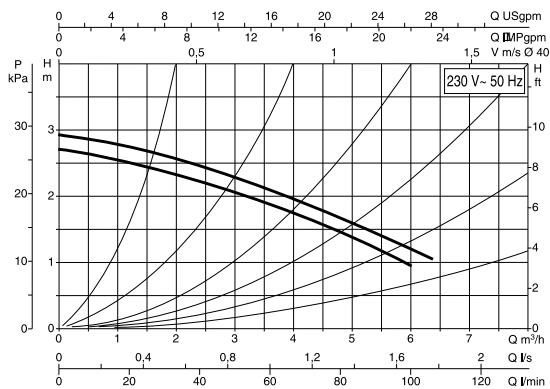
DPH 180/360.80 T



* The hydraulic data for the double versions talk about to an only motor one in operation.

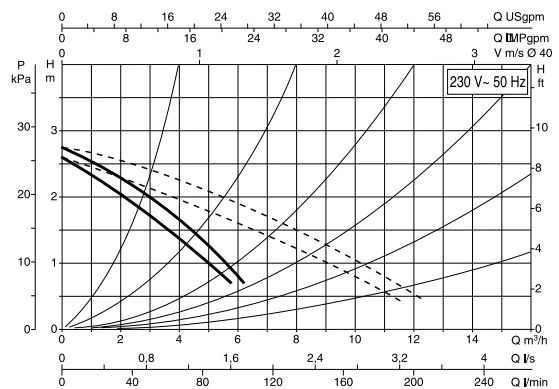
HYDRAULIC DATA

BMH 30/250.40 T

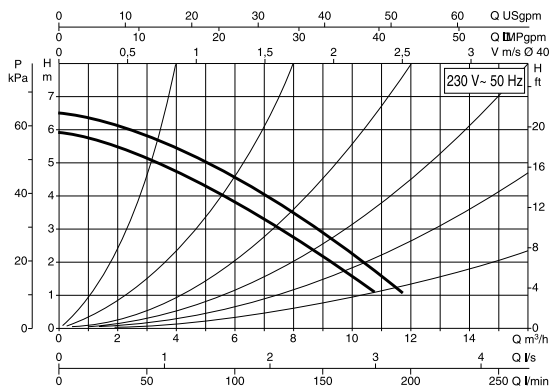


220 V~ - 230 V~

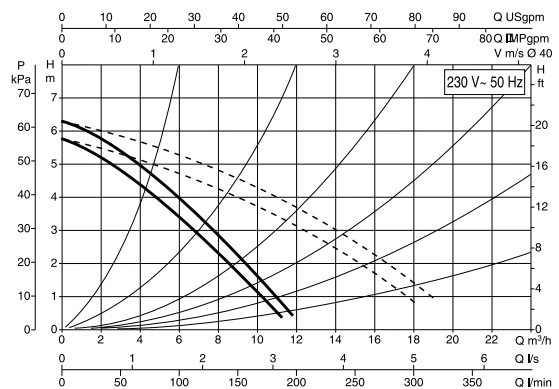
DMH 30/250.40 T



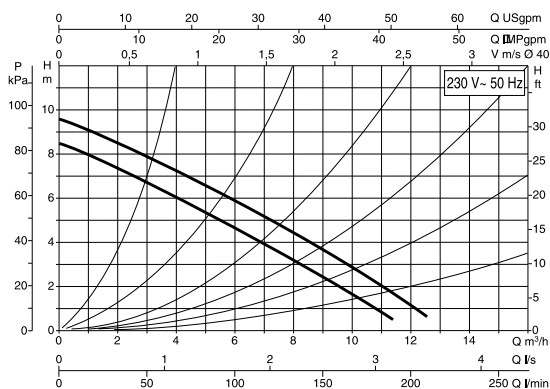
BPH 60/250.40 T



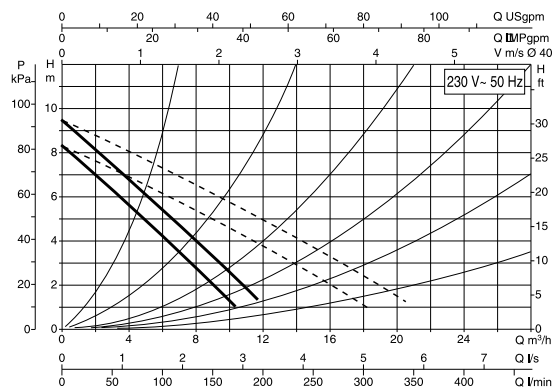
DPH 60/250.40 T



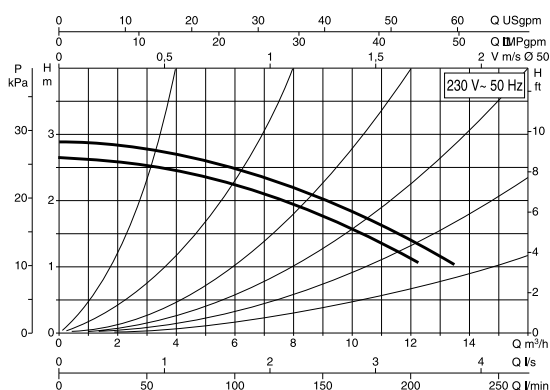
BPH 120/250.40 T



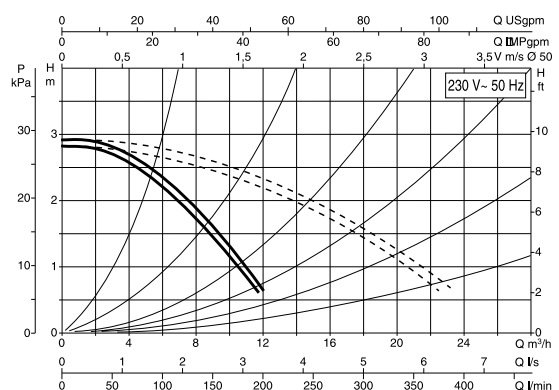
DPH 120/250.40 T



BMH 30/280.50 T



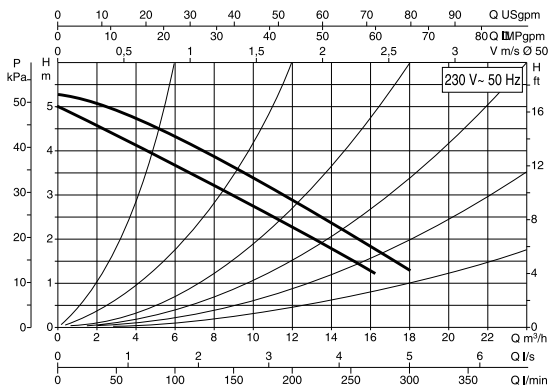
DMH 30/280.50 T



* The hydraulic data for the double versions talk about to an only motor one in operation.

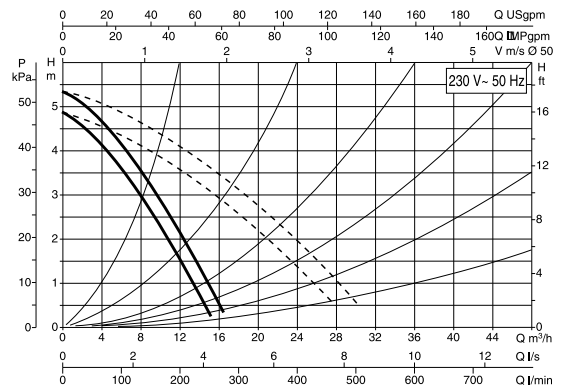
HYDRAULIC DATA

BMH 60/280.50 T

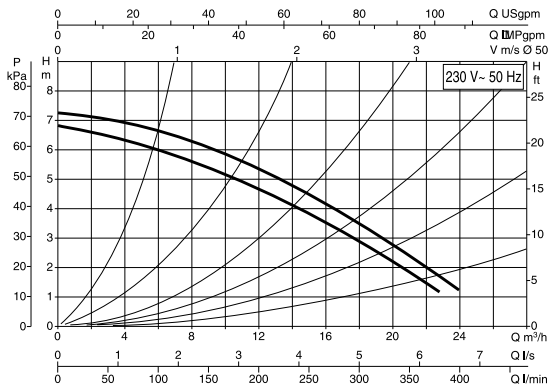


220 V~ - 230 V~

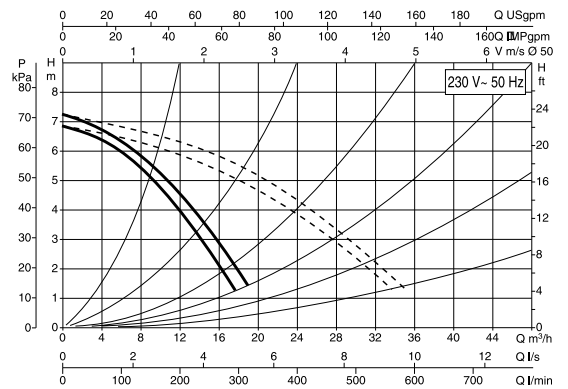
DMH 60/280.50 T



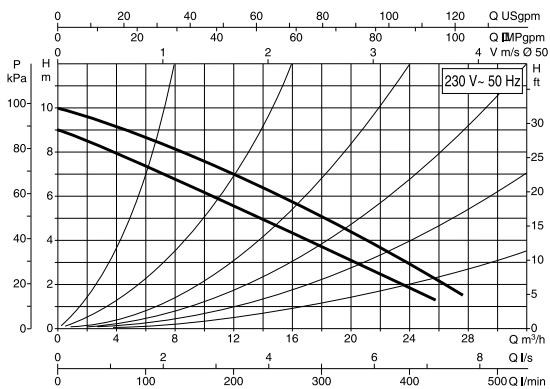
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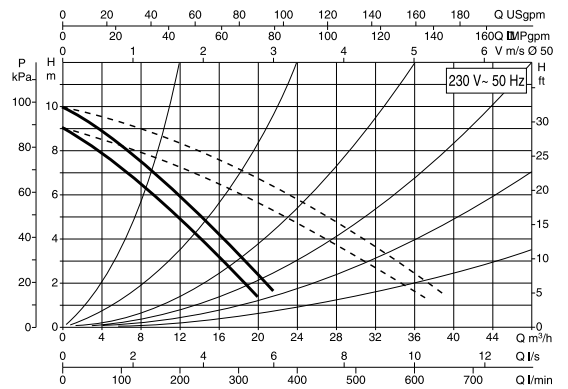
DPH 60/280.50 T



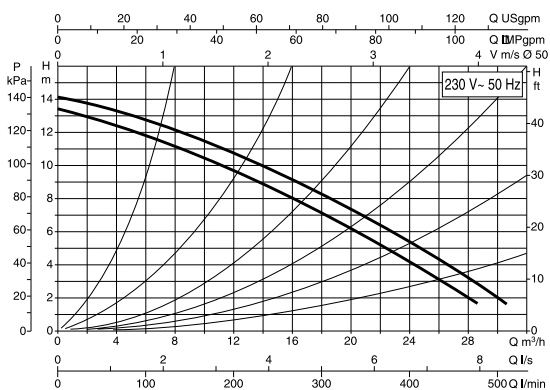
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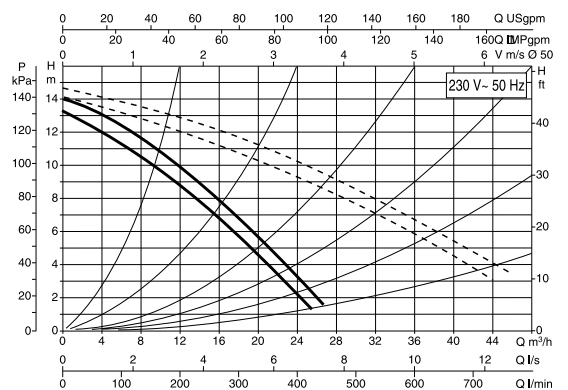
DPH 120/280.50 T



BPH 150/280.50 T



DPH 150/280.50 T



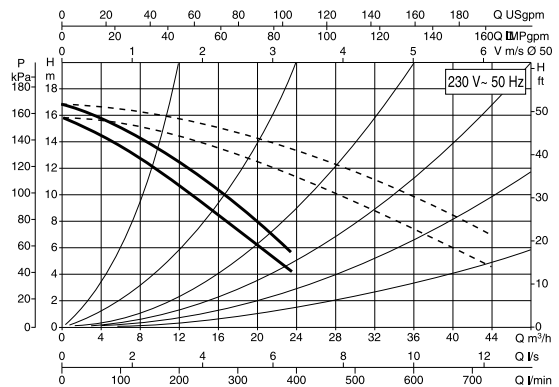
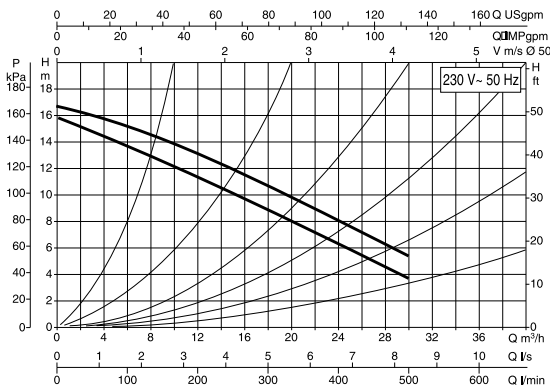
* The hydraulic data for the double versions talk about to an only motor one in operation.

HYDRAULIC DATA

BMH 180/280.50 T

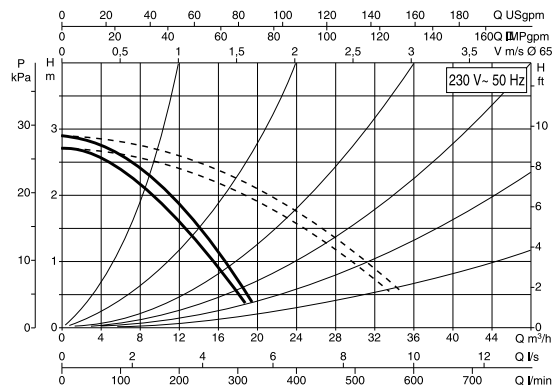
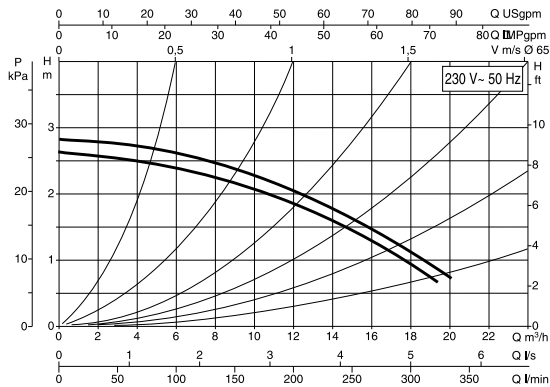
220 V~ - 230 V~

DMH 180/280.50 T



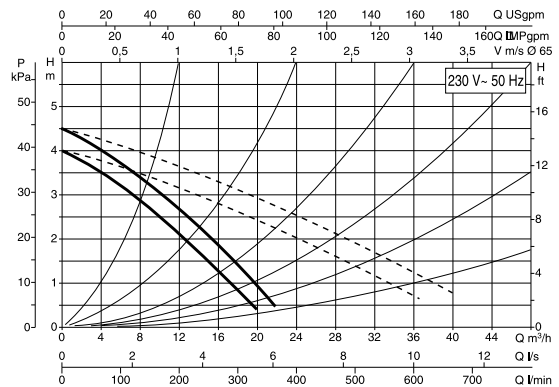
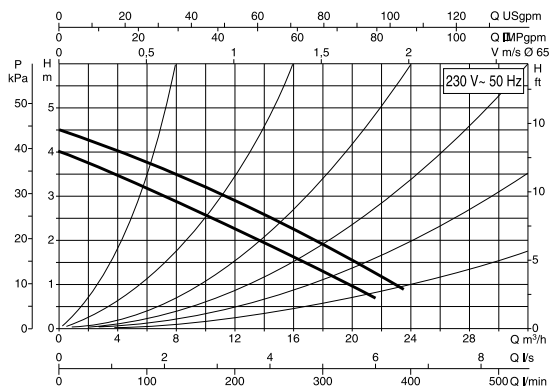
BMH 30/340.65 T

DMH 30/340.65 T



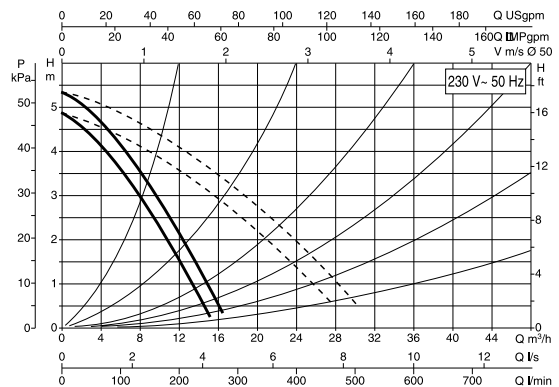
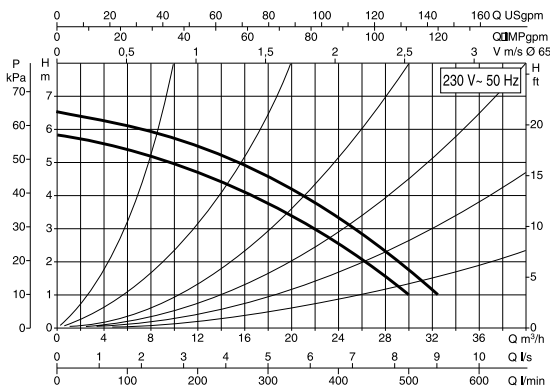
BMH 60/340.65 T

DMH 60/340.65 T



BPH 60/340.65 T

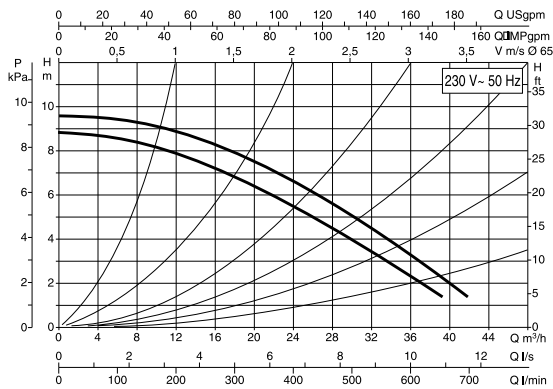
DPH 60/340.65 T



* The hydraulic data for the double versions talk about to an only motor one in operation.

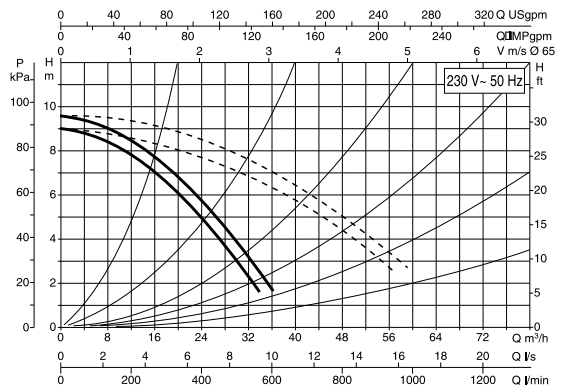
HYDRAULIC DATA

BPH 120/340.65 T

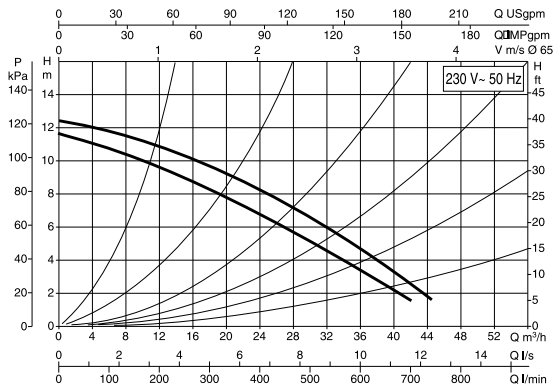


220 V~ - 230 V~

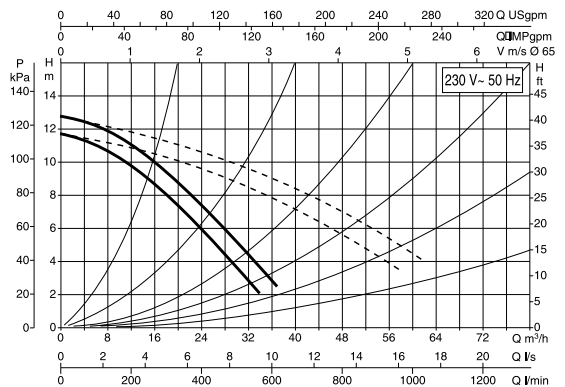
DPH 120/340.65 T



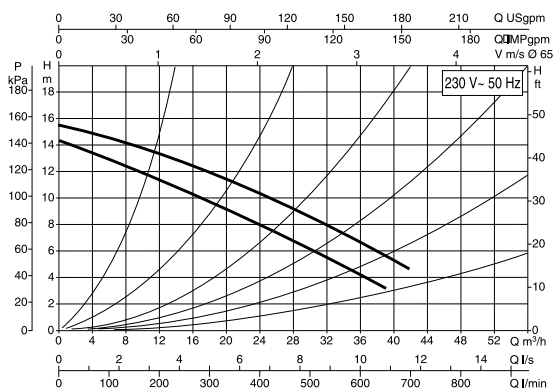
BPH 150/340.65 T



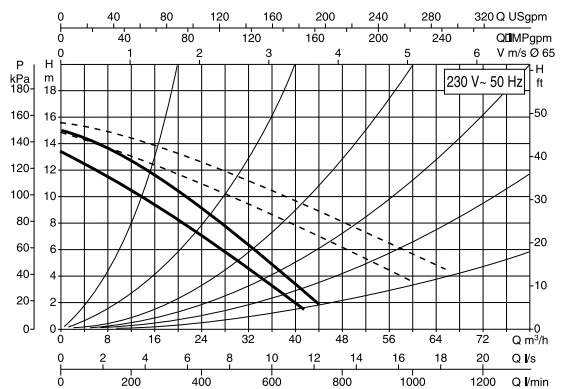
DPH 150/340.65 T



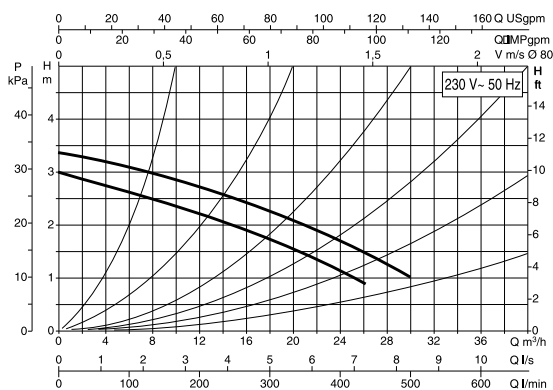
BPH 180/340.65 T



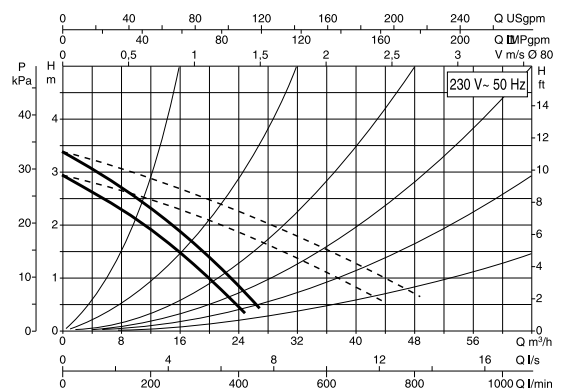
DPH 180/340.65 T



BMH 30/360.80 T



DMH 30/360.80 T



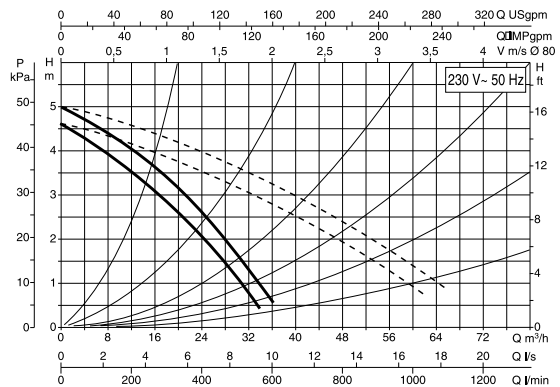
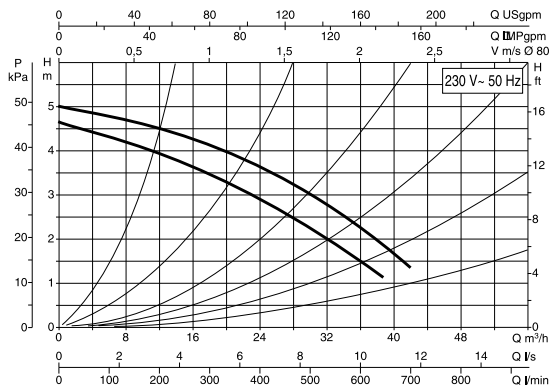
* The hydraulic data for the double versions talk about to an only motor one in operation.

HYDRAULIC DATA

BMH 60/360.80

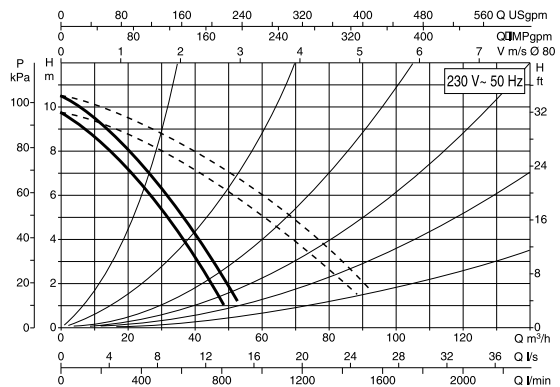
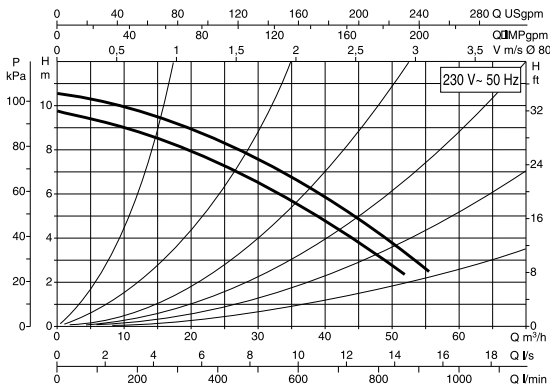
220 V~ - 230 V~

DMH 60/360.80



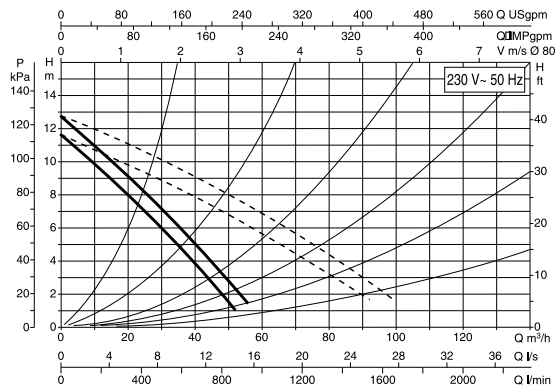
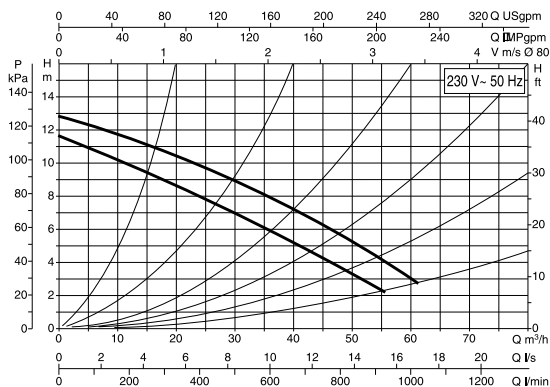
BPH 120/360.80 T

DPH 120/360.80 T



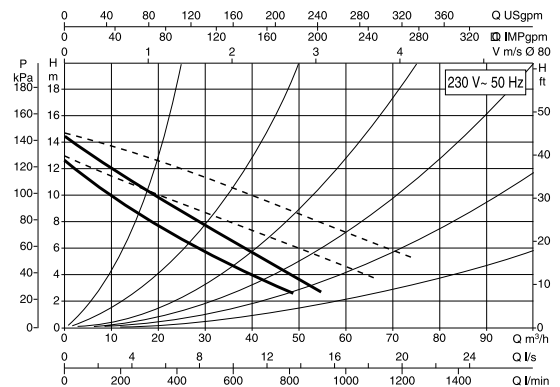
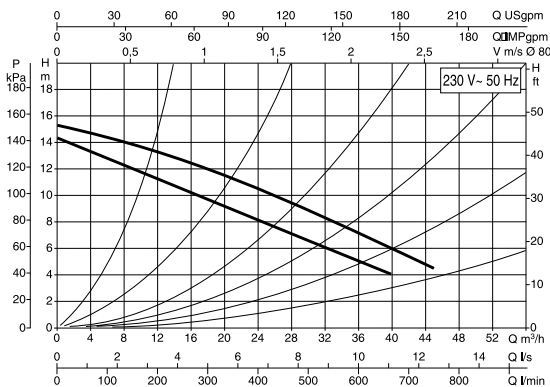
BPH 150/360.80 T

DPH 150/360.80 T



BPH 180/360.80 T

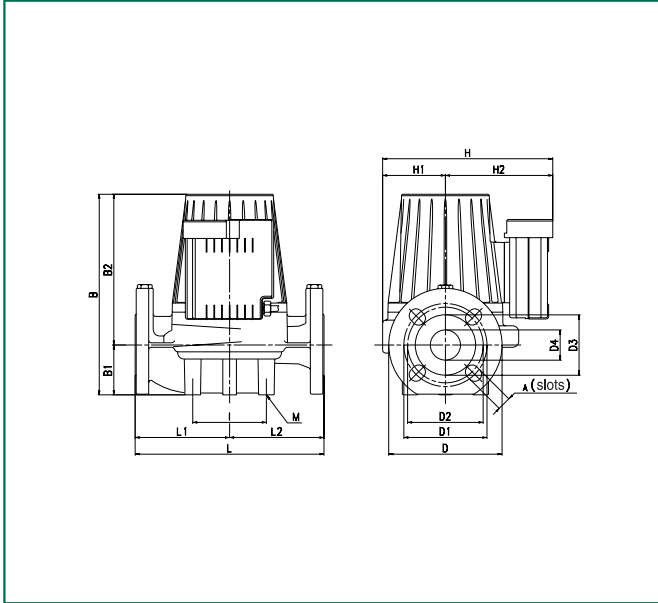
DPH 180/360.80 T



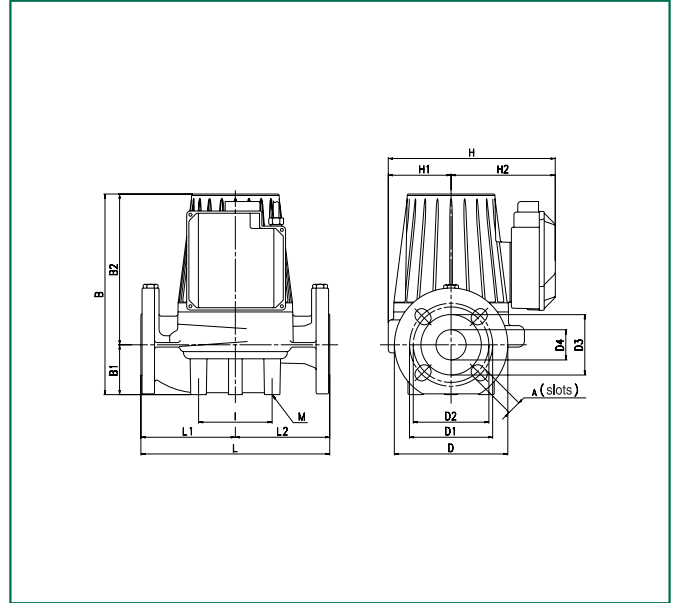
* The hydraulic data for the double versions talk about to an only motor one in operation.

DIMENSIONS AND WEIGHTS SINGLE WITH FLANGES

BMH - BPH...M



BMH - BPH...T

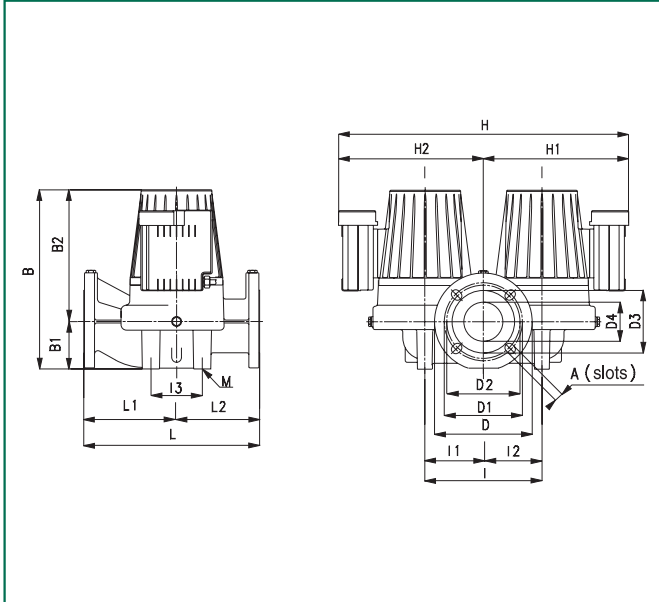


| MODEL | L | L1 | L2 | A | B | B1 | B2 | D | D1 | D2 | D3 | D4 | I | M | H | H1 | H2 | WEIGHT Kg |
|-------------------------|-----|-----|-----|----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|--------------|
| BMH 30/250.40 T | 250 | 125 | 125 | 18 | 266 | 66 | 200 | 150 | 110 | 100 | 80 | 40 | 100 | M10 | 221 | 83 | 138 | 17,5 |
| BPH 60/250.40 M | 250 | 125 | 125 | 18 | 266 | 66 | 200 | 150 | 110 | 100 | 80 | 40 | 100 | M10 | 221 | 83 | 138 | 17,5 |
| BPH 60/250.40 T | 250 | 125 | 125 | 18 | 266 | 66 | 200 | 150 | 110 | 100 | 80 | 40 | 100 | M10 | 221 | 83 | 138 | 17,5 |
| BPH 120/250.40 M | 250 | 125 | 125 | 18 | 266 | 66 | 200 | 150 | 110 | 100 | 80 | 40 | 100 | M10 | 221 | 83 | 138 | 17,5 |
| BPH 120/250.40 T | 250 | 125 | 125 | 18 | 266 | 66 | 200 | 150 | 110 | 100 | 80 | 40 | 100 | M10 | 221 | 83 | 138 | 17,5 |
| BMH 30/280.50T | 280 | 140 | 140 | 18 | 312 | 73 | 239 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 96 | 158 | 24 |
| BMH 60/280.50T | 280 | 140 | 140 | 18 | 312 | 73 | 239 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 96 | 158 | 24 |
| BPH 60/280.50 M | 280 | 140 | 140 | 18 | 312 | 73 | 239 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 156 | 158 | 24 |
| BPH 60/280.50 T | 280 | 140 | 140 | 18 | 312 | 73 | 239 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 156 | 158 | 24 |
| BPH 120/280.50 M | 280 | 140 | 140 | 18 | 312 | 73 | 239 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 96 | 158 | 24 |
| BPH 120/280.50 T | 280 | 140 | 140 | 18 | 312 | 73 | 239 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 96 | 158 | 26 |
| BPH 150/280.50 T | 280 | 140 | 140 | 18 | 362 | 73 | 289 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 96 | 158 | 26 |
| BPH 180/280.50 T | 280 | 140 | 140 | 18 | 362 | 73 | 289 | 165 | 125 | 110 | 90 | 50 | 100 | M10 | 254 | 96 | 158 | 26 |
| BMH 30/340.65 T | 340 | 170 | 170 | 18 | 334 | 82 | 252 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 27,5 |
| BMH 60/340.65 T | 340 | 170 | 170 | 18 | 334 | 82 | 252 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 27,5 |
| BPH 60/340.65 M | 340 | 170 | 170 | 18 | 334 | 82 | 252 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 27,5 |
| BPH 60/340.65 T | 340 | 170 | 170 | 18 | 334 | 82 | 252 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 30,5 |
| BPH 120/340.65 T | 340 | 170 | 170 | 18 | 384 | 82 | 302 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 32,5 |
| BPH 150/340.65 T | 340 | 170 | 170 | 18 | 384 | 82 | 302 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 32,5 |
| BPH 180/340.65 T | 340 | 170 | 170 | 18 | 384 | 82 | 302 | 185 | 145 | 130 | 110 | 65 | 100 | M12 | 259 | 100 | 159 | 32,5 |
| BMH 30/360.80 T | 360 | 170 | 190 | 18 | 354 | 97 | 254 | 200 | 160 | 150 | 130 | 80 | 115 | M12 | 297 | 100 | 159 | 31 |
| BMH 60/360.80 T | 360 | 170 | 190 | 18 | 404 | 97 | 307 | 200 | 160 | 150 | 130 | 80 | 115 | M12 | 259 | 100 | 159 | 40 |
| BPH 120/360.80 T | 360 | 170 | 190 | 18 | 404 | 97 | 307 | 200 | 160 | 150 | 130 | 80 | 115 | M12 | 259 | 100 | 159 | 40 |
| BPH 150/360.80 T | 360 | 170 | 190 | 18 | 404 | 97 | 307 | 200 | 160 | 150 | 130 | 80 | 115 | M12 | 259 | 100 | 159 | 40 |
| BPH 180/360.80 T | 360 | 170 | 190 | 18 | 404 | 97 | 307 | 200 | 160 | 150 | 130 | 80 | 115 | M12 | 259 | 100 | 159 | 40 |

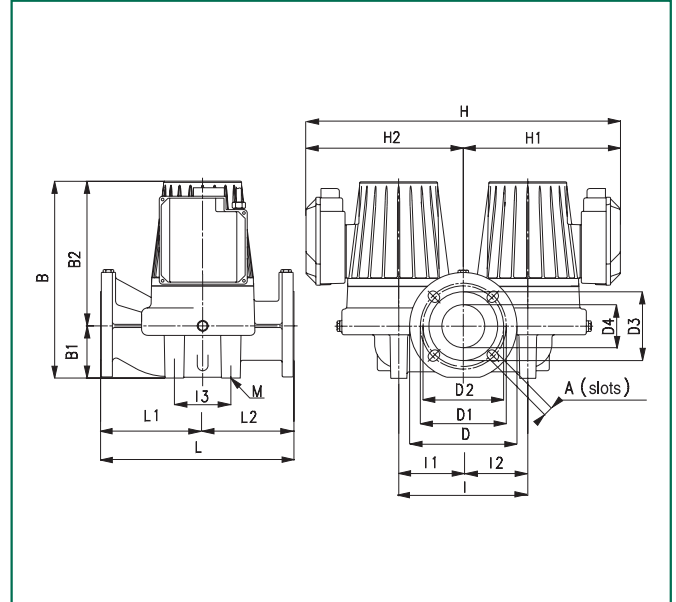
DIMENSIONS AND WEIGHTS

TWIN WITH FLANGES

DMH - DPH...M



DMH - DPH...T



| MODEL | L | L1 | L2 | A | B | B1 | B2 | D | D1 | D2 | D3 | D4 | I | I1 | I2 | I3 | M | H | H1 | H2 | WEIGHT Kg |
|------------------|-----|-------|-------|----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|
| DMH 30/250.40 T | 250 | 105 | 145 | 18 | 271 | 66 | 205 | 150 | 110 | 100 | 80 | 40 | 200 | 100 | 100 | 100 | M12 | 476 | 238 | 238 | 32 |
| DPH 60/250.40 M | 250 | 105 | 145 | 18 | 271 | 66 | 205 | 150 | 110 | 100 | 80 | 40 | 200 | 100 | 100 | 100 | M12 | 476 | 238 | 238 | 32 |
| DPH 60/250.40 T | 250 | 105 | 145 | 18 | 271 | 66 | 205 | 150 | 110 | 100 | 80 | 40 | 200 | 100 | 100 | 100 | M12 | 476 | 238 | 238 | 32 |
| DPH 120/250.40 M | 250 | 105 | 145 | 18 | 271 | 66 | 205 | 150 | 110 | 100 | 80 | 40 | 200 | 100 | 100 | 100 | M12 | 476 | 238 | 238 | 32 |
| DPH 120/250.40 T | 250 | 105 | 145 | 18 | 271 | 66 | 205 | 150 | 110 | 100 | 80 | 40 | 200 | 100 | 100 | 100 | M12 | 476 | 238 | 238 | 32 |
| DMH 30/280.50 T | 280 | 130 | 150 | 18 | 305 | 73 | 232 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 552 | 276 | 276 | 51,5 |
| DMH 60/280.50 T | 280 | 130 | 150 | 18 | 305 | 73 | 235 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 556 | 278 | 278 | 44,5 |
| DPH 60/280.50 M | 280 | 130 | 150 | 18 | 308 | 73 | 235 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 554 | 278 | 278 | 44,5 |
| DPH 60/280.50 T | 280 | 130 | 150 | 18 | 308 | 73 | 235 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 554 | 278 | 278 | 44,5 |
| DPH 120/280.50 M | 280 | 130 | 150 | 18 | 308 | 73 | 235 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 556 | 278 | 278 | 44,5 |
| DPH 120/280.50 T | 280 | 130 | 150 | 18 | 308 | 73 | 235 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 556 | 278 | 278 | 49 |
| DPH 150/280.50 T | 280 | 130 | 150 | 18 | 358 | 73 | 285 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 556 | 278 | 278 | 49 |
| DPH 180/280.50 T | 280 | 130 | 150 | 18 | 358 | 73 | 285 | 165 | 125 | 110 | 90 | 50 | 240 | 120 | 120 | 120 | M14 | 556 | 278 | 278 | 49 |
| DMH 30/340.65 T | 340 | 138,5 | 201,5 | 18 | 328 | 82 | 246 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 140 | M14 | 476 | 238 | 238 | 57 |
| DMH 60/340.65 T | 340 | 138,5 | 201,5 | 18 | 331 | 82 | 249 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 140 | M14 | 476 | 238 | 238 | 50 |
| DPH 60/340.65 M | 340 | 138,5 | 201,5 | 18 | 331 | 82 | 249 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 140 | M14 | 476 | 238 | 238 | 50 |
| DPH 60/340.65 T | 340 | 138,5 | 201,5 | 18 | 331 | 82 | 249 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 140 | M14 | 476 | 238 | 238 | 54,5 |
| DPH 120/340.65 T | 340 | 138,5 | 201,5 | 18 | 381 | 82 | 299 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 140 | M14 | 476 | 238 | 238 | 59 |
| DPH 150/340.65 T | 340 | 138,5 | 201,5 | 18 | 381 | 82 | 299 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 140 | M14 | 476 | 238 | 238 | 59 |
| DPH 180/340.65 T | 340 | 138,5 | 201,5 | 18 | 381 | 82 | 299 | 185 | 145 | 130 | 110 | 65 | 240 | 120 | 120 | 130 | M14 | 476 | 238 | 238 | 59 |
| DMH 30/360.80 T | 360 | 160 | 200 | 18 | 345 | 97 | 248 | 200 | 160 | 150 | 130 | 80 | 240 | 120 | 120 | 150 | M14 | 480 | 240 | 240 | 54,5 |
| DMH 60/360.80 T | 360 | 160 | 200 | 18 | 390 | 97 | 298 | 200 | 160 | 150 | 130 | 80 | 240 | 120 | 120 | 150 | M14 | 480 | 240 | 240 | 72 |
| DPH 120/360.80 T | 360 | 160 | 200 | 18 | 390 | 97 | 298 | 200 | 160 | 150 | 130 | 80 | 240 | 120 | 120 | 150 | M14 | 480 | 240 | 240 | 72 |
| DPH 150/360.80 T | 360 | 160 | 200 | 18 | 390 | 97 | 298 | 200 | 160 | 150 | 130 | 80 | 240 | 120 | 120 | 150 | M14 | 480 | 240 | 240 | 72 |
| DPH 180/360.80 T | 360 | 160 | 200 | 18 | 390 | 97 | 298 | 200 | 160 | 150 | 130 | 80 | 240 | 120 | 120 | 150 | M14 | 480 | 240 | 240 | 72 |

POSITION OF TERMINAL BOARD

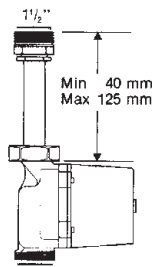
BMH - BPH - DMH - DPH

| Single | | Twin | |
|----------------|----------|----------|----------------|
| DN 40-50-65-80 | DN 65-80 | DN 65-80 | DN 40-50-65-80 |
| | | | |

* For installations in air-conditioning systems only use the circulator in the terminal board positions marked with the asterisk.

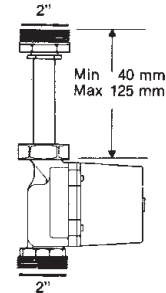
QUICK SERVICE™ ADAPTATION KIT

KIT A



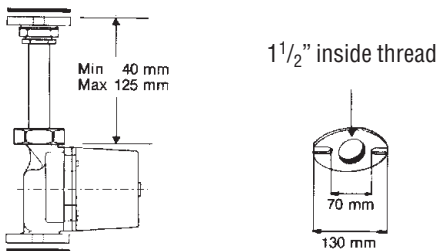
1 1/2" extension

KIT B



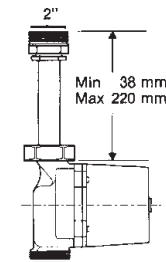
Conversion from 1 1/2" to 2"

KIT C



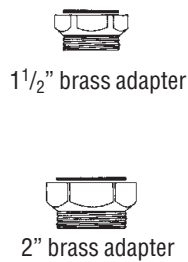
Conversion from body to 1 1/2" pipe union to DN25 - DN 32 flange with extension

KIT D



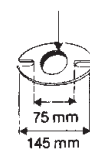
2" extension

KIT E



2" OVAL COUNTER FLANGE KIT

2" inside thread



2" DN 40, PN 6/PN 10 oval counter flanges with gaskets and bolts for conversion from body to 2" pipe union to DN40 flanged body.