

EXTERNAL VERTICAL MULTISTAGE PUMPS

ENGLISH



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ME 01
50 HZ

External vertical multistage pumps

Features

The ME pump range are external, vertical, non-self-priming multistage centrifugal pumps.

The motor shaft is connected to the pump shaft via a coupling.

The inlet and outlet are located at the bottom of the pump in the same plane.

ME pumps are available in the following materials:

MEF with head and inlet/outlet chamber in cast iron and hydraulic parts in AISI 304

MEX with head, inlet/outlet chamber and hydraulic parts in AISI 304

MEN with AISI 316 head, inlet/outlet chamber and hydraulic parts

Hydraulic connections to the pump are available with round or oval flange, threaded or VICTAULIC system.

Applications

ME pumps are used to convey various fluids, from tap water to industrial lubricants, and are used from irrigation to machine tools to industrial cleaning systems. They can be used at various temperatures, flow rates and pressures; in particular, they are applicable for lathes, grinders, machining centres, refrigeration equipment, industrial cleaning equipment, filtering systems, etc.

Working conditions

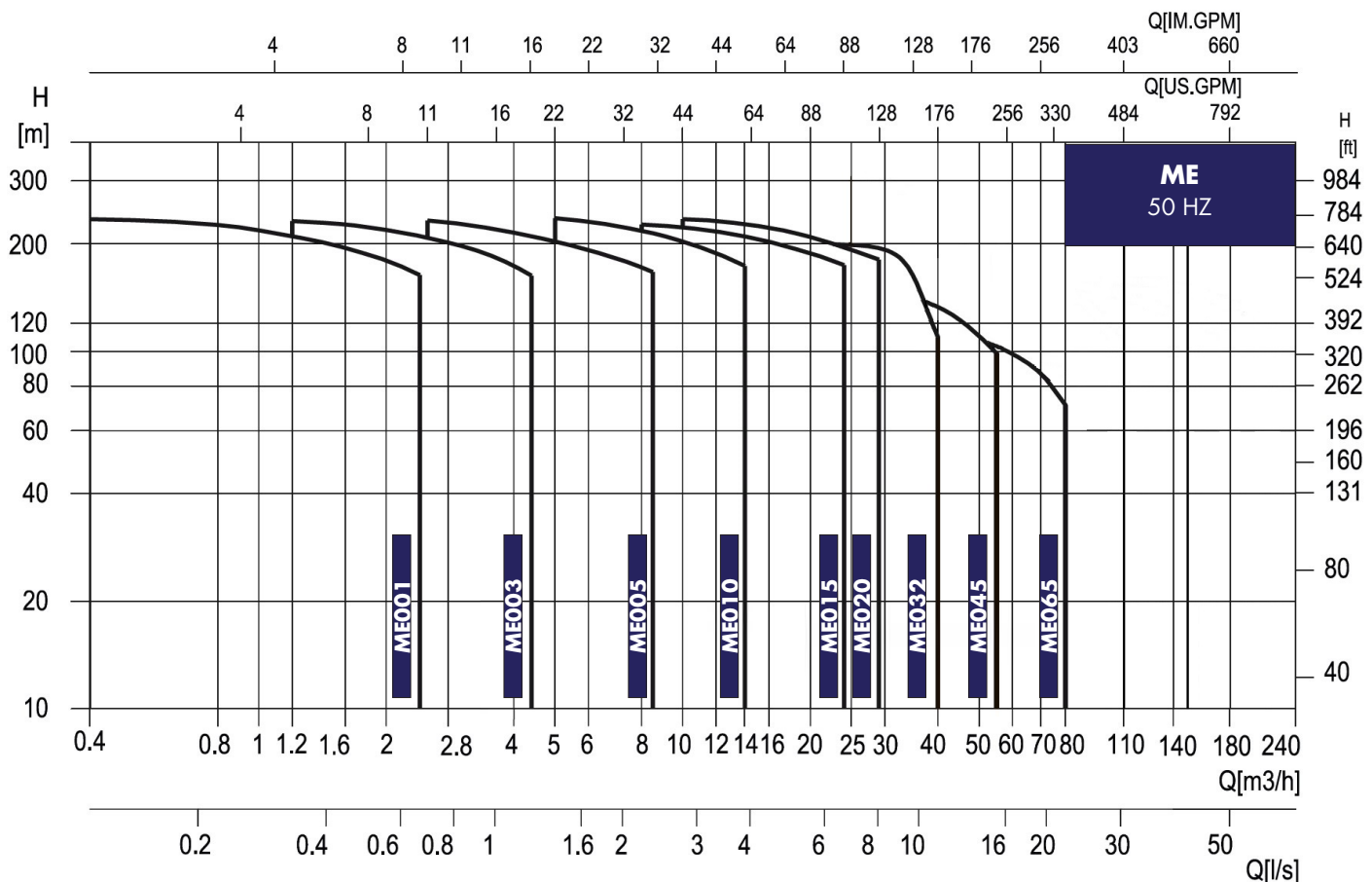
Non-explosive, clean liquid without solid grains and fibres; can be used for transporting water, aqueous cooling solutions and cutting lubricants. MEF version can be used to transport non-corrosive liquids, while MEX and MEN versions are suitable for slightly corrosive liquids.

Liquid temperature:

- Normal: -15°C ~ + 70°C

- Hot water: -15°C ~ + 120°C

Performance



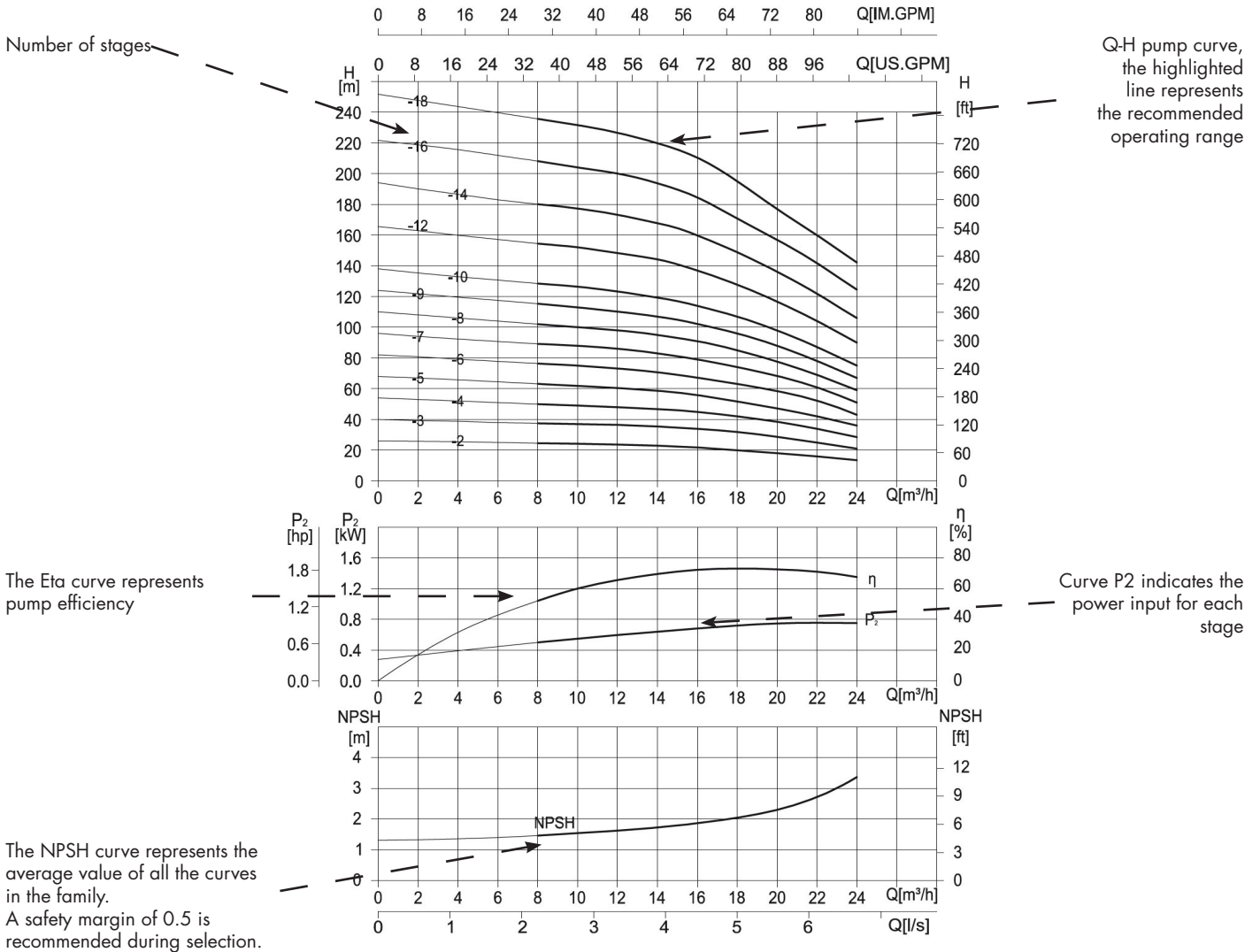
Range of products

| Description | ME001 | ME003 | ME005 | ME010 | ME015 | ME020 | ME032 | ME045 | ME065 |
|-------------------------------|-------------|---------|----------|---------|------------|------------|------------|------------|------------|
| Nominal flow rate (m^3/h) | 1 | 3 | 5 | 10 | 15 | 20 | 32 | 45 | 65 |
| Nominal flow rate (l/min) | 16 | 50 | 83 | 166 | 250 | 333 | 533 | 750 | 1083 |
| Flow range (m^3/h) | 0,5-2,4 | 1,2-4,4 | 2,5-8,5 | 5-14 | 8-24 | 10-29 | 16-40 | 25-55 | 30-80 |
| Flow range (l/min) | 8-40 | 20-73 | 42-141 | 83-233 | 133-400 | 166-483 | 266-666 | 416-253 | 500-1333 |
| MAX pressure (<i>bar</i>) | 24 | 23 | 24 | 24 | 24 | 23 | 24 | 15 | 12 |
| Motor power (<i>kW</i>) | 0,37-2,2 | 0,37-3 | 0,55-5,5 | 0,75-11 | 2,2-15 | 2,2-18,5 | 2,2-22 | 4-22 | 5,5-22 |
| Temperature ($^{\circ}C$) | - 15 ÷ +120 | | | | | | | | |
| Maximum efficiency | 48 | 58 | 70 | 72 | 73 | 73 | 73 | 75 | 76 |
| MEI (%) | $\geq 0,8$ | | | | $\geq 0,7$ | $\geq 0,7$ | $\geq 0,7$ | $\geq 0,7$ | $\geq 0,6$ |
| Flange DIN | DN25 | DN25 | DN32 | DN40 | DN50 | DN50 | DN65 | DN80 | DN100 |
| VICTAULIC | DN32 | DN32 | DN32 | DN50 | DN50 | DN50 | - | - | - |
| Threaded end | R1 1/4 | R1 1/4 | R1 1/4 | R2 | R2 | R2 | - | - | - |
| Oval flange | G1 | G1 | G1 1/4 | G1 1/2 | - | - | - | - | - |

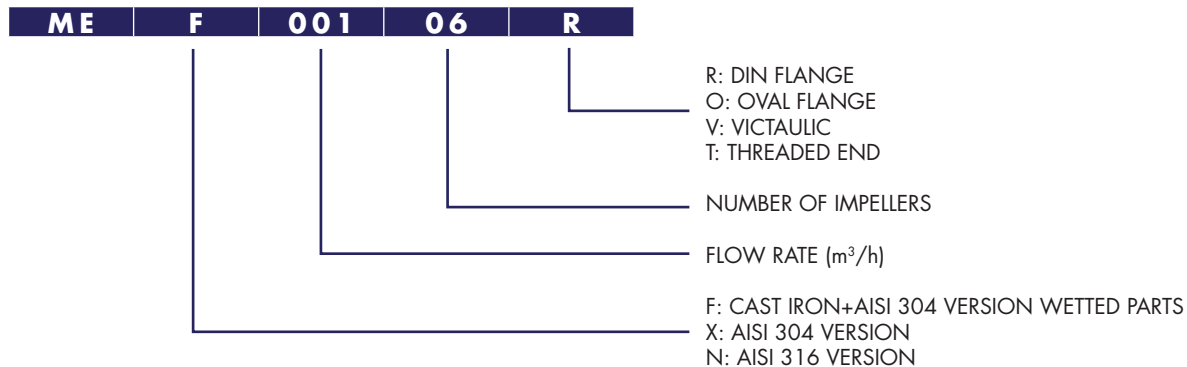
MEF version only available with DIN and OVAL flange

Performance curve

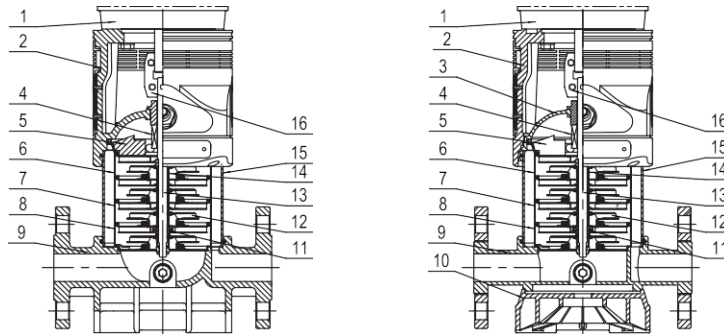
1. All curves are based on values measured at 50 Hz: constant motor speed 2950 rpm
2. Curve tolerance in accordance with ISO9906:2012 Annex A Grade B
3. The measurement is made with water at 20°C, without the presence of air, with a kinematic viscosity of 1 mm²/sec
4. The operating range of the pump is defined by the most highlighted part of the curve.



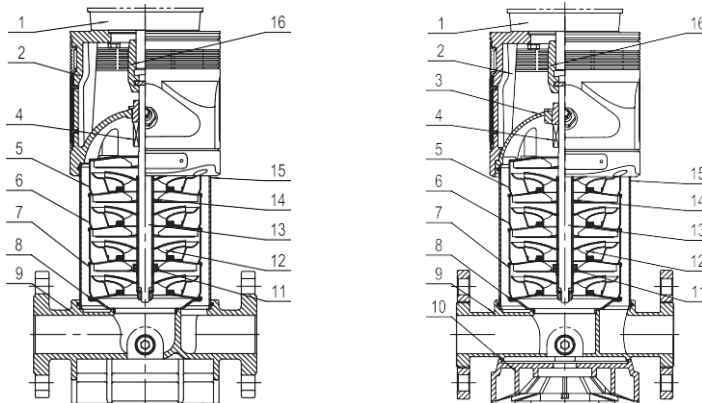
Model definition



Type MEF, MEX, MEN, 001, 003, 005



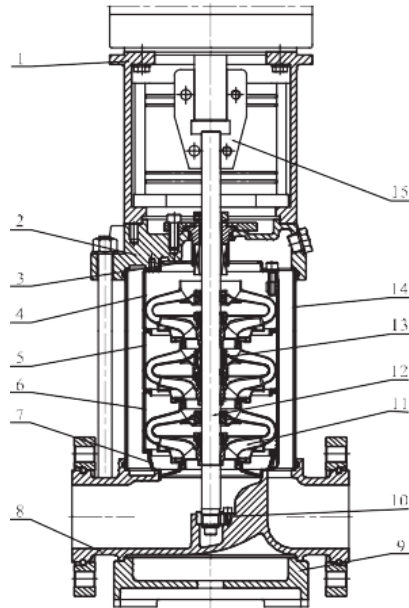
Type MEF, MEX, MEN, 010, 015, 020



Spare parts nomenclature

| | Component | Material | AISI/ASTM |
|-----------------|--------------------------|----------------------|--------------------|
| 1 | Motor | | |
| 2 | Pump head | Cast iron | ASTM25B |
| 4 | Mechanical seal | SiC/SiC/EPDM | |
| 11 | Bearing | Carburo di tungsteno | |
| 16 | Joint | Acciaio al carbonio | |
| MEX, MEN | | | |
| 3 | Seal base | Stainless steel | AISI304 / AISI316L |
| 5 | Upper diffuser | Stainless steel | AISI304 / AISI316L |
| 6 | Diffuser | Stainless steel | AISI304 / AISI316L |
| 7 | Support diffuser | Stainless steel | AISI304 / AISI316L |
| 8 | Inductor | Stainless steel | AISI304 / AISI316L |
| 9 | Inlet and outlet chamber | Stainless steel | AISI304 / AISI316L |
| 10 | Piastra base | Aluminium | |
| 12 | Impeller | Stainless steel | AISI304 / AISI316L |
| 13 | Shaft | Stainless steel | AISI304 / AISI316L |
| 14 | Impeller sleeve | Stainless steel | AISI304 / AISI316L |
| 15 | Cylinder | Stainless steel | AISI304 / AISI316L |
| MEF | | | |
| 3 | Seal base | Stainless steel | AISI304 |
| 5 | Upper diffuser | Stainless steel | AISI304 |
| 6 | Diffuser | Stainless steel | AISI304 |
| 7 | Support diffuser | Stainless steel | AISI304 |
| 8 | Inductor | Stainless steel | AISI304 |
| 9 | Inlet and outlet chamber | Cast iron | ASTM25B |
| 12 | Impeller | Stainless steel | AISI304 |
| 13 | Shaft | Stainless steel | AISI304 |
| 14 | Impeller sleeve | Stainless steel | AISI304 |
| 15 | Cylinder | Stainless steel | AISI304 |

Type MEF, MEX, MEN, 032, 045, 065

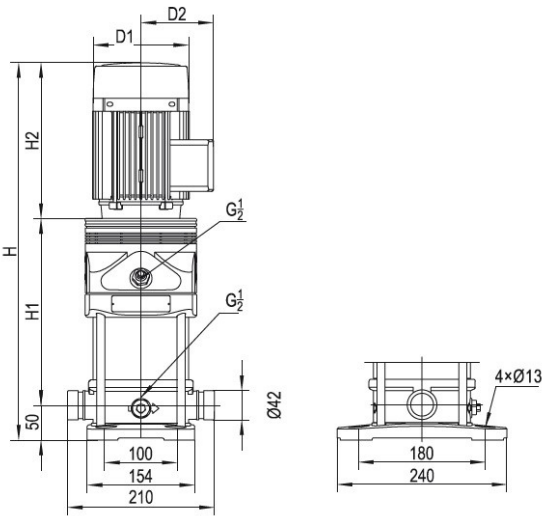


Spare parts nomenclature

| | Component | Material | AISI/ASTM |
|-----------------|--------------------------|----------------------|--------------------|
| 1 | Motor | | |
| 2 | Pump head | Cast iron | ASTM25B |
| 4 | Mechanical seal | SiC/SiC/EPDM | |
| 11 | Bearing | Carburo di tungsteno | |
| 16 | Joint | Acciaio al carbonio | |
| MEX, MEN | | | |
| 3 | Seal base | Stainless steel | AISI304 / AISI316L |
| 5 | Upper diffuser | Stainless steel | AISI304 / AISI316L |
| 6 | Diffuser | Stainless steel | AISI304 / AISI316L |
| 7 | Support diffuser | Stainless steel | AISI304 / AISI316L |
| 8 | Inductor | Stainless steel | AISI304 / AISI316L |
| 9 | Inlet and outlet chamber | Stainless steel | AISI304 / AISI316L |
| 10 | Bottom plate | Aluminium | |
| 12 | Impeller | Stainless steel | AISI304 / AISI316L |
| 13 | Shaft | Stainless steel | AISI304 / AISI316L |
| 14 | Impeller sleeve | Stainless steel | AISI304 / AISI316L |
| 15 | Cylinder | Stainless steel | AISI304 / AISI316L |
| MEF | | | |
| 3 | Seal base | Stainless steel | AISI304 |
| 5 | Upper diffuser | Stainless steel | AISI304 |
| 6 | Diffuser | Stainless steel | AISI304 |
| 7 | Support diffuser | Stainless steel | AISI304 |
| 8 | Inductor | Stainless steel | AISI304 |
| 9 | Inlet and outlet chamber | Cast iron | ASTM25B |
| 12 | Impeller | Stainless steel | AISI304 |
| 13 | Shaft | Stainless steel | AISI304 |
| 14 | Impeller sleeve | Stainless steel | AISI304 |
| 15 | Cylinder | Stainless steel | AISI304 |

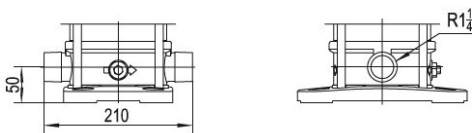
External vertical multistage pumps

Type ME 01



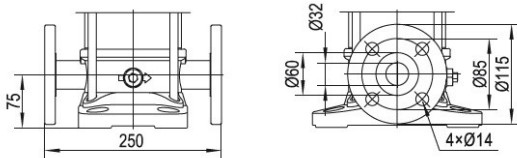
Victaulic

(Only available for MEX MEN versions)

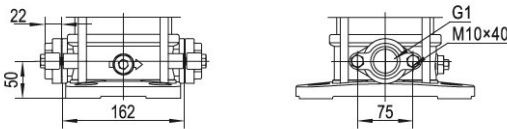


Male threaded end

(Only available for MEX MEN versions)

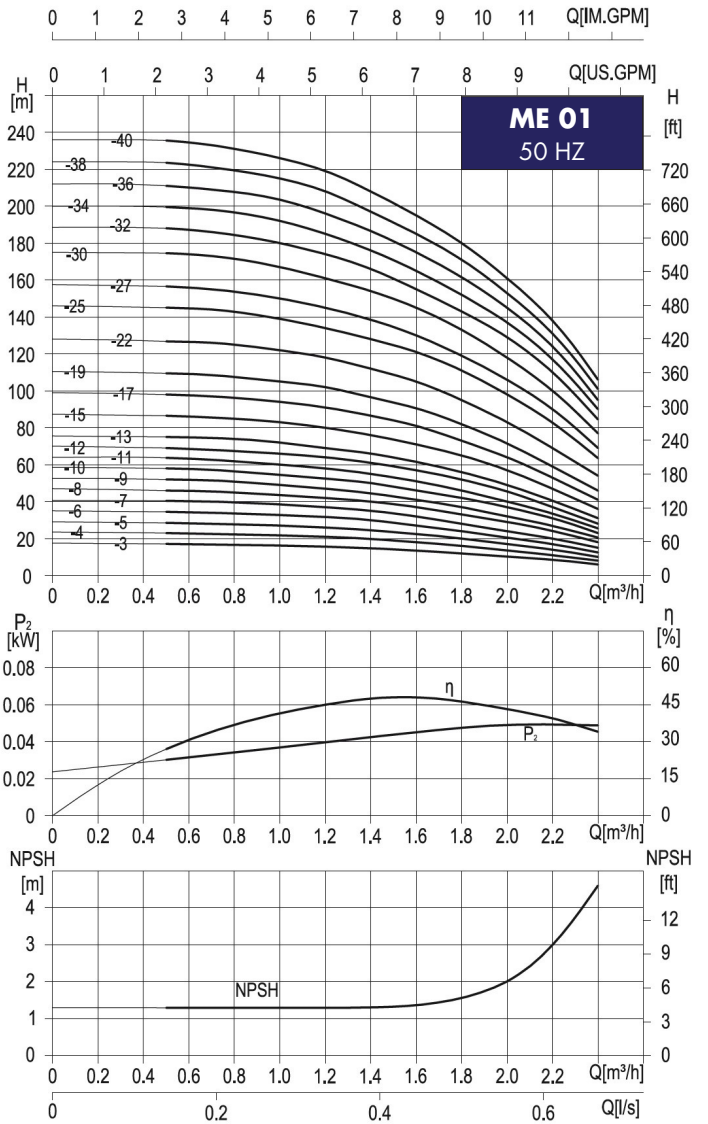


Flange DN25



Oval female threaded flange

(Available up to 20 stages)



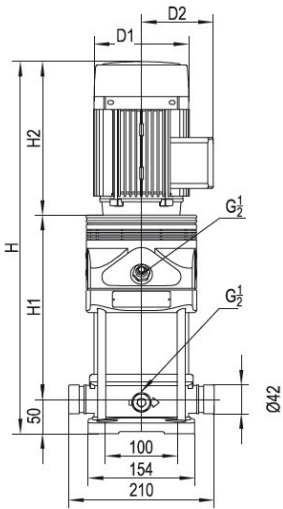
Size and performance

| Model | Dimensions | | | | | Weight (Kg) | |
|-----------|------------|-----|-----------|-----|-----|-------------|-----------|
| | H1 | H2 | H | D1 | D2 | MEF | MEX - MEN |
| ME 001-03 | 207 | 217 | 474\498 | 141 | 112 | 22 | 18 |
| ME 001-04 | 227 | 217 | 494\518 | 141 | 112 | 23 | 19 |
| ME 001-05 | 247 | 217 | 514\538 | 141 | 112 | 23 | 19 |
| ME 001-06 | 267 | 217 | 534\558 | 141 | 112 | 24 | 20 |
| ME 001-07 | 287 | 217 | 554\578 | 141 | 112 | 24 | 20 |
| ME 001-08 | 307 | 217 | 574\598 | 141 | 112 | 26 | 22 |
| ME 001-09 | 327 | 217 | 594\618 | 141 | 112 | 26 | 22 |
| ME 001-10 | 347 | 217 | 614\638 | 141 | 112 | 27 | 23 |
| ME 001-11 | 367 | 217 | 634\658 | 141 | 112 | 27 | 23 |
| ME 001-12 | 397 | 242 | 689\713 | 160 | 125 | 30 | 26 |
| ME 001-13 | 417 | 242 | 709\733 | 160 | 125 | 30 | 26 |
| ME 001-15 | 457 | 242 | 749\773 | 160 | 125 | 31 | 27 |
| ME 001-17 | 497 | 242 | 789\813 | 160 | 125 | 34 | 30 |
| ME 001-19 | 537 | 242 | 829\853 | 160 | 125 | 35 | 31 |
| ME 001-22 | 597 | 242 | 889\913 | 160 | 125 | 36 | 32 |
| ME 001-25 | 667 | 255 | 972\996 | 180 | 129 | 41 | 37 |
| ME 001-27 | 707 | 255 | 1012\1036 | 180 | 129 | 42 | 38 |
| ME 001-30 | 767 | 255 | 1072\1096 | 180 | 129 | 43 | 39 |
| ME 001-32 | 807 | 280 | 1137\1161 | 180 | 129 | 46 | 42 |
| ME 001-34 | 847 | 280 | 1177\1201 | 180 | 129 | 47 | 43 |
| ME 001-36 | 887 | 280 | 1217\1241 | 180 | 129 | 48 | 44 |
| ME 001-38 | 927 | 280 | 1257\1281 | 180 | 129 | 48 | 44 |
| ME 001-40 | 967 | 280 | 1297\1321 | 180 | 129 | 49 | 45 |

| Model | Motor (kW) | Q (m³/h) | 0 | 0,5 | 0,7 | 1 | 1,2 | 1,4 | 1,6 | 1,8 | 2 | 2,2 | 2,4 | 2,2 | 2,4 |
|-----------|------------|----------|------|------|------|------|------|------|------|-----|------|------|------|------|------|
| ME 001-03 | 0,37 | H (m) | 17,5 | 17 | 16,8 | 16 | 15,6 | 14,8 | 13,5 | 12 | 10 | 8,5 | 6 | | |
| ME 001-04 | 0,37 | | 23,5 | 23 | 22,5 | 21,5 | 21 | 19,8 | 18 | 16 | 13,5 | 11 | 8 | 8,5 | 6 |
| ME 001-05 | 0,37 | | 29 | 28,5 | 28 | 27 | 26 | 24,5 | 22,5 | 20 | 17 | 14 | 10 | 11 | 8 |
| ME 001-06 | 0,37 | | 35 | 34,5 | 34 | 32,5 | 31,5 | 30 | 27 | 24 | 20,5 | 17 | 12,5 | 14 | 10 |
| ME 001-07 | 0,37 | | 41 | 40,5 | 40 | 39 | 37 | 35 | 32 | 28 | 24 | 20 | 15 | 17 | 12,5 |
| ME 001-08 | 0,55 | | 47 | 46 | 45,5 | 43,5 | 42 | 40 | 37 | 33 | 29 | 24,5 | 18 | 20 | 15 |
| ME 001-09 | 0,55 | | 52,5 | 52 | 51,5 | 49 | 47 | 44,5 | 41 | 37 | 32 | 27 | 20,5 | 24,5 | 18 |
| ME 001-10 | 0,55 | | 58,5 | 58 | 57 | 55 | 52,5 | 50 | 46 | 42 | 37 | 31 | 23 | 27 | 20,5 |
| ME 001-11 | 0,55 | | 64 | 63,5 | 63 | 61 | 58,5 | 55 | 51 | 46 | 40 | 33,5 | 25,5 | 31 | 23 |
| ME 001-12 | 0,75 | | 70 | 69 | 68,5 | 67 | 64,5 | 61 | 57 | 52 | 45,5 | 37 | 28 | 33,5 | 25,5 |
| ME 001-13 | 0,75 | | 75,5 | 75 | 74,5 | 73 | 70 | 66,5 | 61,5 | 56 | 49 | 40,5 | 31 | 37 | 28 |
| ME 001-15 | 0,75 | | 87,5 | 86,5 | 85,5 | 84 | 81 | 76,5 | 71 | 65 | 57 | 47 | 36 | 40,5 | 31 |
| ME 001-17 | 1,1 | | 99 | 98 | 97 | 95 | 91,5 | 86,5 | 81 | 73 | 64 | 53 | 41 | 47 | 36 |
| ME 001-19 | 1,1 | | 110 | 109 | 108 | 106 | 103 | 98 | 91 | 82 | 72 | 59 | 46 | 53 | 41 |
| ME 001-22 | 1,1 | | 128 | 127 | 126 | 122 | 118 | 112 | 105 | 95 | 83 | 69 | 54 | 59 | 46 |
| ME 001-25 | 1,5 | | 146 | 145 | 144 | 139 | 134 | 128 | 121 | 111 | 98 | 83 | 63 | 69 | 54 |
| ME 001-27 | 1,5 | | 158 | 157 | 155 | 150 | 145 | 138 | 130 | 119 | 106 | 90 | 69 | 83 | 63 |
| ME 001-30 | 1,5 | | 175 | 174 | 172 | 167 | 161 | 154 | 145 | 133 | 118 | 100 | 77 | 90 | 69 |
| ME 001-32 | 2,2 | | 189 | 188 | 186 | 180 | 174 | 166 | 155 | 143 | 129 | 110 | 85 | 100 | 77 |
| ME 001-34 | 2,2 | | 200 | 199 | 198 | 192 | 185 | 176 | 165 | 152 | 137 | 117 | 90 | 110 | 85 |
| ME 001-36 | 2,2 | 212 | 211 | 209 | 203 | 196 | 186 | 175 | 161 | 145 | 124 | 95 | 117 | 90 | |
| ME 001-38 | 2,2 | 225 | 224 | 221 | 215 | 208 | 197 | 185 | 171 | 153 | 131 | 101 | 124 | 95 | |
| ME 001-40 | 2,2 | 237 | 236 | 233 | 226 | 219 | 208 | 195 | 180 | 161 | 138 | 106 | 131 | 101 | |

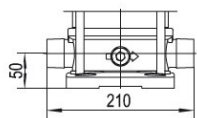
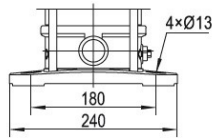
External vertical multistage pumps

Type ME 03



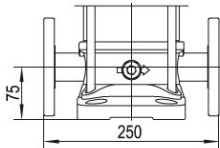
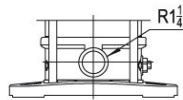
Victaulic

(Only available for MEX MEN versions)

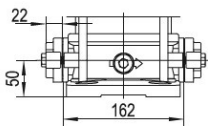
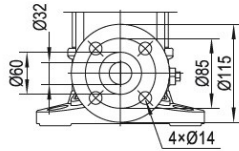


Male threaded end

(Only available for MEX MEN versions)

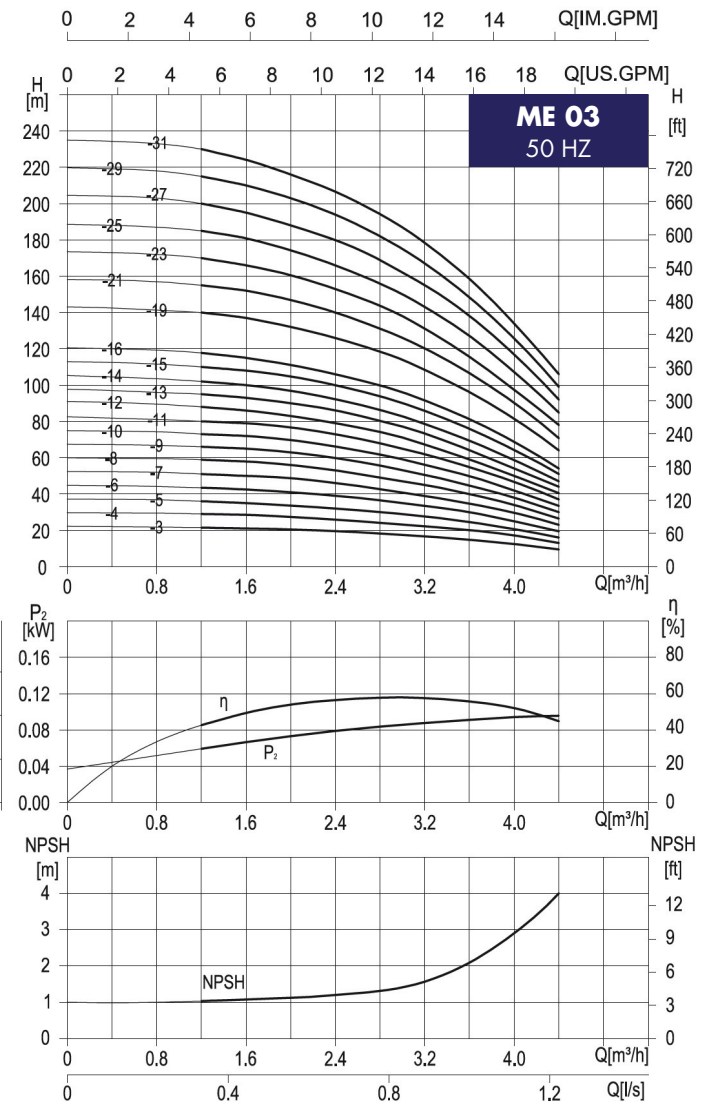
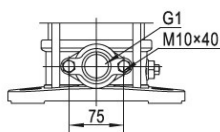


Flange DN25



Oval female threaded flange

(Available up to 20 stages)



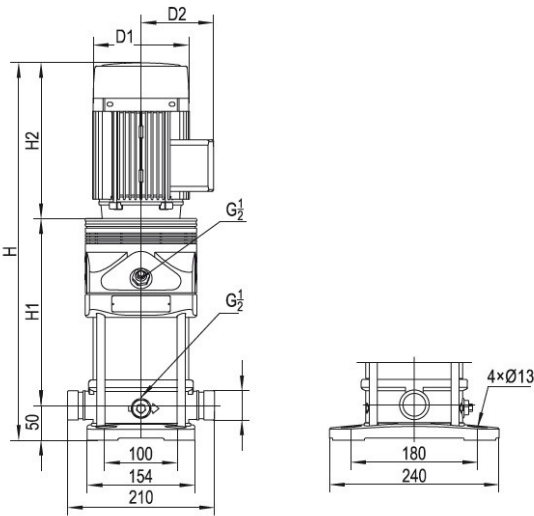
Size and performance

| Model | Dimensions | | | | | Weight (Kg) | |
|-----------|------------|-----|-----------|-----|-----|-------------|-----------|
| | H1 | H2 | H | D1 | D2 | MEF | MEX - MEN |
| ME 003-03 | 207 | 217 | 474\499 | 141 | 112 | 23 | 19 |
| ME 003-04 | 227 | 217 | 494\519 | 141 | 112 | 24 | 20 |
| ME 003-05 | 247 | 217 | 514\539 | 141 | 112 | 25 | 21 |
| ME 003-06 | 267 | 217 | 534\559 | 141 | 112 | 26 | 22 |
| ME 003-07 | 297 | 242 | 589\614 | 160 | 125 | 29 | 25 |
| ME 003-08 | 317 | 242 | 609\634 | 160 | 125 | 29 | 25 |
| ME 003-09 | 337 | 242 | 629\654 | 160 | 125 | 31 | 27 |
| ME 003-10 | 357 | 242 | 649\674 | 160 | 125 | 32 | 28 |
| ME 003-11 | 377 | 242 | 669\694 | 160 | 125 | 32 | 28 |
| ME 003-12 | 397 | 242 | 689\714 | 160 | 125 | 33 | 29 |
| ME 003-13 | 427 | 255 | 732\757 | 180 | 129 | 36 | 32 |
| ME 003-14 | 447 | 255 | 752\777 | 180 | 129 | 37 | 33 |
| ME 003-15 | 467 | 255 | 772\797 | 180 | 129 | 37 | 33 |
| ME 003-16 | 487 | 280 | 817\842 | 180 | 129 | 38 | 34 |
| ME 003-19 | 547 | 280 | 877\902 | 180 | 129 | 41 | 37 |
| ME 003-21 | 587 | 280 | 917\942 | 180 | 129 | 42 | 38 |
| ME 003-23 | 627 | 280 | 957\982 | 180 | 129 | 43 | 39 |
| ME 003-25 | 677 | 314 | 1041\1066 | 200 | 141 | 46 | 42 |
| ME 003-27 | 717 | 314 | 1081\1106 | 200 | 141 | 47 | 43 |
| ME 003-29 | 757 | 314 | 1121\1146 | 200 | 141 | 47 | 43 |
| ME 003-31 | 797 | 314 | 1161\1186 | 200 | 141 | 48 | 44 |

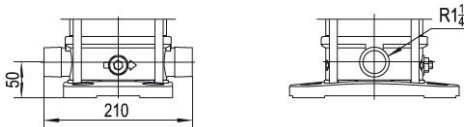
| Model | Motor (kW) | Q (m³/h) | H (m) | | | | | | | | | | |
|-----------|------------|----------|-------|------|------|------|------|------|-----|------|-----|------|------|
| | | | 0 | 1,2 | 1,6 | 2 | 2,4 | 2,8 | 3 | 3,2 | 3,6 | 4 | 4,4 |
| ME 003-03 | 0,37 | H (m) | 22,2 | 21,5 | 21 | 20,5 | 19,5 | 18 | 17 | 16,5 | 15 | 12,5 | 9,5 |
| ME 003-04 | 0,37 | | 29,7 | 29 | 28,5 | 27,5 | 26 | 24 | 23 | 22 | 20 | 17 | 13 |
| ME 003-05 | 0,55 | | 37,2 | 36 | 35 | 33,5 | 32 | 30 | 29 | 28 | 25 | 21 | 16 |
| ME 003-06 | 0,55 | | 45 | 43,5 | 42,5 | 41 | 39 | 36,5 | 35 | 33,5 | 30 | 25 | 19,5 |
| ME 003-07 | 0,75 | | 52,5 | 51 | 50 | 49 | 46 | 43 | 41 | 39,5 | 35 | 30 | 23 |
| ME 003-08 | 0,75 | | 60 | 58,5 | 58 | 56 | 53 | 49 | 47 | 45 | 40 | 34 | 26,5 |
| ME 003-09 | 1,1 | | 67,5 | 66 | 65 | 63 | 60 | 56 | 53 | 51 | 45 | 38 | 30 |
| ME 003-10 | 1,1 | | 75 | 73 | 72 | 70 | 66 | 61 | 59 | 56 | 50 | 42 | 33,5 |
| ME 003-11 | 1,1 | | 82,5 | 80 | 79 | 77 | 73 | 68 | 65 | 62 | 55 | 47 | 37 |
| ME 003-12 | 1,1 | | 90 | 88 | 86 | 83 | 79 | 74 | 71 | 67 | 59 | 50 | 40,5 |
| ME 003-13 | 1,5 | | 98 | 95 | 93 | 90 | 86 | 80 | 77 | 73 | 64 | 54 | 44 |
| ME 003-14 | 1,5 | | 105 | 102 | 101 | 98 | 92,5 | 86 | 83 | 78 | 69 | 58 | 47 |
| ME 003-15 | 1,5 | | 113 | 110 | 108 | 105 | 100 | 94 | 90 | 86 | 76 | 64 | 51 |
| ME 003-16 | 2,2 | | 120 | 118 | 116 | 112 | 107 | 100 | 96 | 92 | 81 | 69 | 54 |
| ME 003-19 | 2,2 | | 143 | 140 | 137 | 132 | 126 | 119 | 114 | 108 | 96 | 82 | 64 |
| ME 003-21 | 2,2 | | 158 | 155 | 152 | 147 | 140 | 131 | 126 | 120 | 106 | 90 | 71 |
| ME 003-23 | 2,2 | | 173 | 170 | 166 | 161 | 153 | 144 | 138 | 131 | 115 | 97 | 78 |
| ME 003-25 | 3 | | 188 | 185 | 181 | 175 | 166 | 156 | 150 | 142 | 125 | 105 | 85 |
| ME 003-27 | 3 | | 204 | 200 | 195 | 188 | 180 | 169 | 162 | 155 | 138 | 117 | 92 |
| ME 003-29 | 3 | 220 | 215 | 210 | 203 | 194 | 182 | 175 | 167 | 148 | 126 | 99 | |
| ME 003-31 | 3 | 235 | 230 | 224 | 216 | 207 | 194 | 187 | 178 | 159 | 134 | 106 | |

External vertical multistage pumps

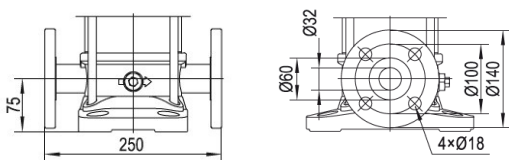
Type ME 05



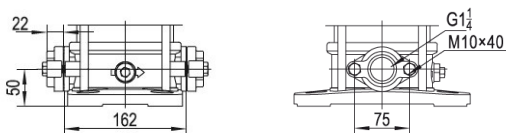
Victaulic
(Only available for MEX MEN versions)



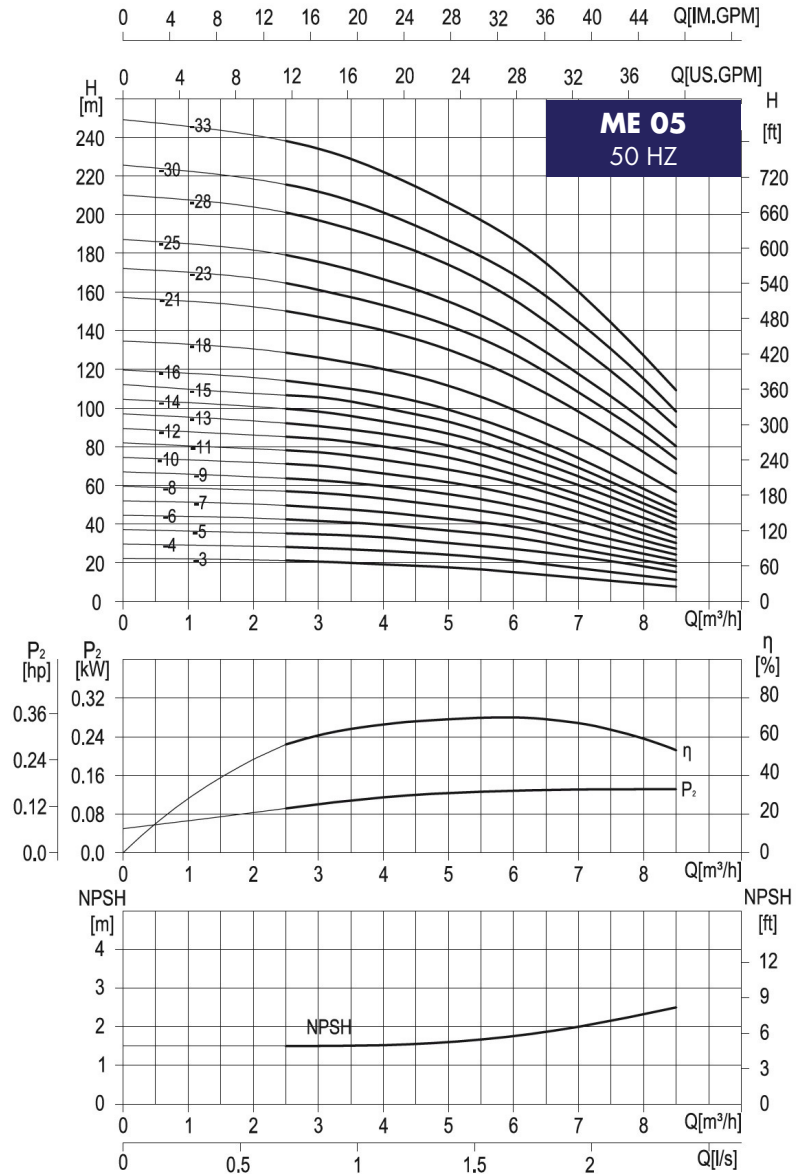
Male threaded end
(Only available for MEX MEN versions)



Flange DN32



Oval female threaded flange
(Disponibile fino a 20 stadi)



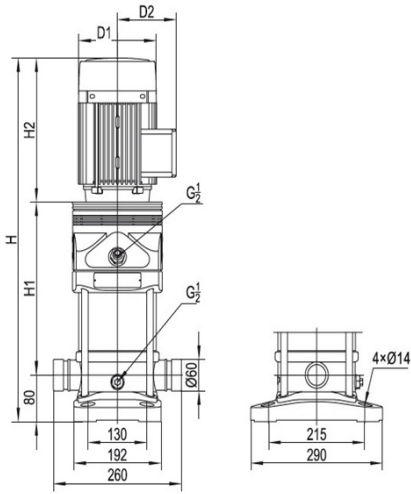
Size and performance

| Model | Dimensions | | | | | Weight (Kg) | |
|-----------|------------|-----|-----------|-----|-----|-------------|-----------|
| | H1 | H2 | H | D1 | D2 | MEF | MEX - MEN |
| ME 005-03 | 228 | 217 | 495\520 | 141 | 112 | 25 | 20 |
| ME 005-04 | 255 | 217 | 522\547 | 141 | 112 | 26 | 21 |
| ME 005-05 | 292 | 242 | 584\609 | 160 | 125 | 29 | 24 |
| ME 005-06 | 319 | 242 | 611\636 | 160 | 125 | 31 | 26 |
| ME 005-07 | 346 | 242 | 638\663 | 160 | 125 | 31 | 26 |
| ME 005-08 | 373 | 242 | 665\690 | 160 | 125 | 32 | 27 |
| ME 005-09 | 410 | 255 | 715\740 | 180 | 129 | 35 | 30 |
| ME 005-10 | 437 | 255 | 742\767 | 180 | 129 | 36 | 31 |
| ME 005-11 | 464 | 255 | 769\794 | 180 | 129 | 36 | 31 |
| ME 005-12 | 491 | 280 | 821\846 | 180 | 129 | 39 | 34 |
| ME 005-13 | 518 | 280 | 848\873 | 180 | 129 | 39 | 34 |
| ME 005-14 | 545 | 280 | 875\900 | 180 | 129 | 40 | 35 |
| ME 005-15 | 572 | 280 | 902\927 | 180 | 129 | 40 | 35 |
| ME 005-16 | 599 | 280 | 929\954 | 180 | 129 | 41 | 36 |
| ME 005-18 | 663 | 314 | 1027\1052 | 200 | 141 | 44 | 39 |
| ME 005-21 | 744 | 314 | 1108\1133 | 200 | 141 | 46 | 41 |
| ME 005-23 | 798 | 395 | 1243\1268 | 224 | 168 | 62 | 57 |
| ME 005-25 | 852 | 395 | 1297\1322 | 224 | 168 | 63 | 58 |
| ME 005-28 | 933 | 395 | 1378\1403 | 224 | 168 | 64 | 59 |
| ME 005-30 | 1062 | 380 | 1492\1517 | 260 | 196 | 85 | 80 |
| ME 005-33 | 1143 | 380 | 1573\1598 | 260 | 196 | 86 | 81 |

| Model | Motor (kW) | Q (m³/h) | H (m) | | | | | | | | | |
|-----------|------------|----------|-------|------|------|-----|------|------|------|------|------|--|
| | | | 0 | 2,5 | 3 | 4 | 5 | 6 | 7 | 8 | 8,5 | |
| ME 005-03 | 0,55 | H (m) | 22,1 | 21 | 20,5 | 19 | 17,5 | 15 | 12 | 9 | 7,5 | |
| ME 005-04 | 0,55 | | 29,5 | 28 | 27,5 | 26 | 24 | 21 | 17 | 13 | 11 | |
| ME 005-05 | 0,75 | | 37 | 35 | 34,5 | 33 | 30 | 27 | 23 | 18 | 15 | |
| ME 005-06 | 1,1 | | 44,5 | 42 | 41,5 | 40 | 37 | 33 | 27 | 21 | 18 | |
| ME 005-07 | 1,1 | | 52 | 49,5 | 48,5 | 46 | 42,5 | 38,5 | 31,5 | 24,5 | 21 | |
| ME 005-08 | 1,1 | | 59 | 57 | 56 | 53 | 49 | 44 | 36 | 28 | 24 | |
| ME 005-09 | 1,5 | | 67 | 64 | 63 | 60 | 55 | 49,5 | 41,5 | 31,5 | 27 | |
| ME 005-10 | 1,5 | | 74,5 | 71 | 70 | 66 | 62 | 55 | 46 | 35 | 30 | |
| ME 005-11 | 1,5 | | 82 | 78 | 77 | 73 | 68 | 61 | 51 | 39 | 33 | |
| ME 005-12 | 2,2 | | 89,5 | 85 | 84 | 81 | 74,5 | 66 | 55 | 43 | 37 | |
| ME 005-13 | 2,2 | | 97 | 92 | 91 | 87 | 80 | 71 | 60 | 47 | 40 | |
| ME 005-14 | 2,2 | | 104 | 100 | 98 | 93 | 87 | 77 | 65 | 51 | 43,5 | |
| ME 005-15 | 2,2 | | 112 | 107 | 106 | 100 | 93 | 82 | 69 | 54 | 46,5 | |
| ME 005-16 | 2,2 | | 119 | 114 | 112 | 107 | 99 | 88 | 74 | 58 | 50 | |
| ME 005-18 | 3 | | 134 | 128 | 126 | 120 | 111 | 99 | 84 | 66 | 56 | |
| ME 005-21 | 3 | | 157 | 150 | 147 | 140 | 130 | 116 | 98 | 77 | 66 | |
| ME 005-23 | 4 | | 172 | 165 | 161 | 153 | 142 | 128 | 108 | 86 | 74 | |
| ME 005-25 | 4 | | 187 | 179 | 175 | 167 | 155 | 139 | 117 | 93 | 80 | |
| ME 005-28 | 4 | | 210 | 201 | 197 | 187 | 174 | 156 | 132 | 105 | 90 | |
| ME 005-30 | 5,5 | | 225 | 216 | 212 | 201 | 186 | 169 | 144 | 115 | 98 | |
| ME 005-33 | 5,5 | 249 | 238 | 234 | 222 | 206 | 187 | 160 | 127 | 109 | | |

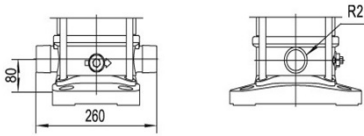
External vertical multistage pumps

Type ME 10



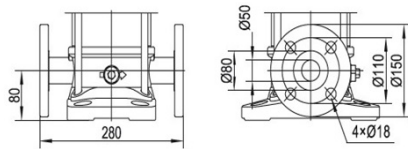
Victaulic

(Only available for MEX MEN versions)

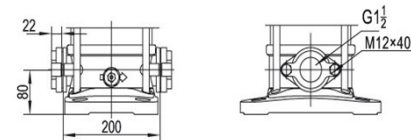


Male threaded end

(Only available for MEX MEN versions)

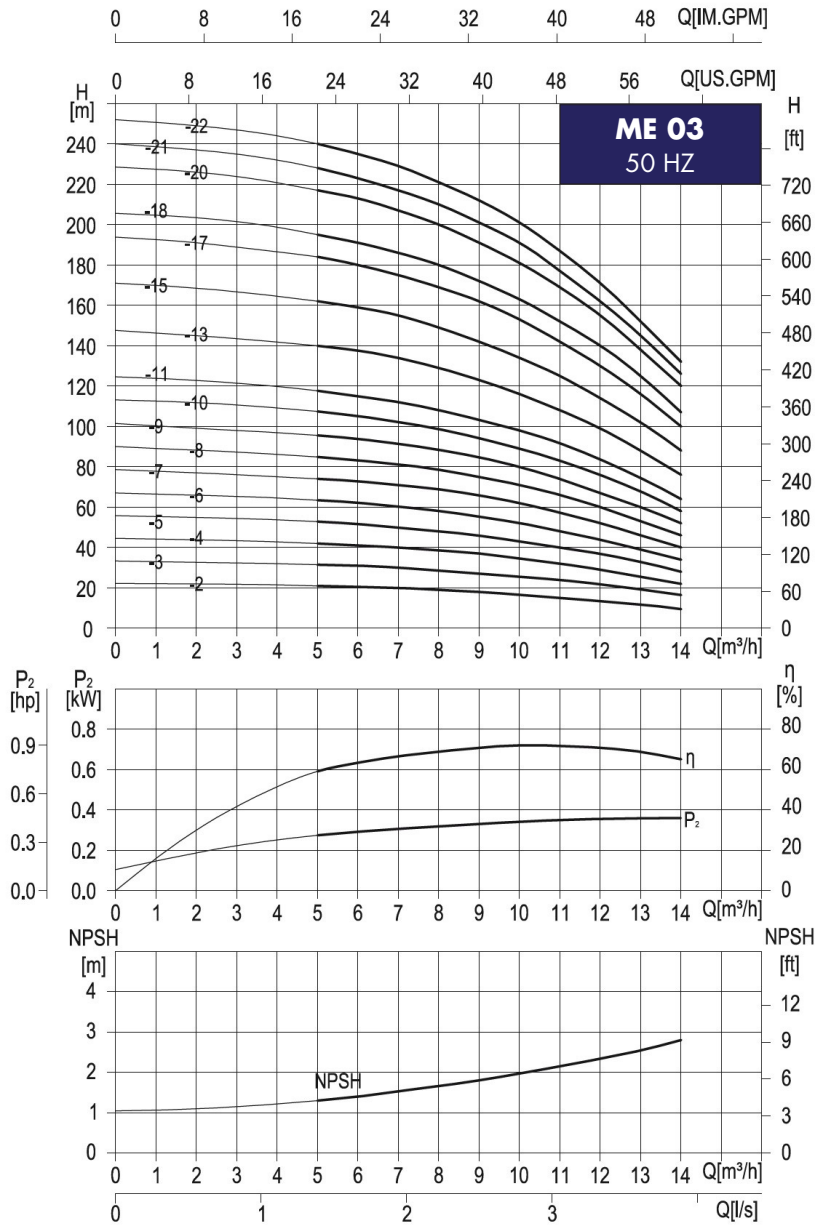


Flange DN40



Oval female threaded flange

(Disponibile fino a 14 stadi)



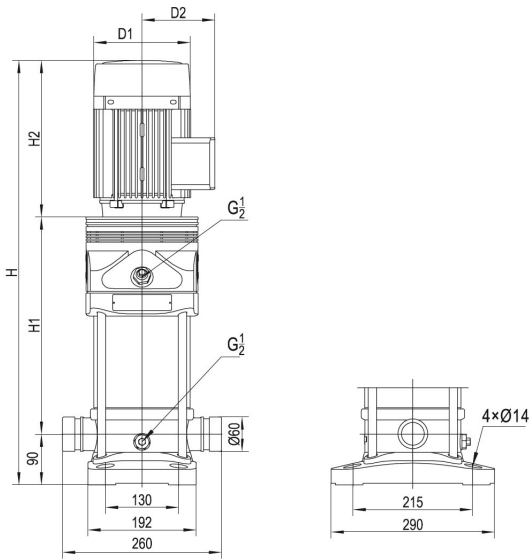
Size and performance

| Model | Dimensions | | | | | Weight (Kg) | |
|-----------|------------|-----|------|-----|-----|-------------|-----------|
| | H1 | H2 | H | D1 | D2 | MEF | MEX - MEN |
| ME 010-02 | 267 | 242 | 589 | 160 | 125 | 31 | 29 |
| ME 010-03 | 297 | 242 | 619 | 160 | 125 | 34 | 32 |
| ME 010-04 | 337 | 255 | 672 | 180 | 129 | 38 | 36 |
| ME 010-05 | 367 | 280 | 727 | 180 | 129 | 42 | 40 |
| ME 010-06 | 397 | 280 | 757 | 180 | 129 | 43 | 41 |
| ME 010-07 | 437 | 314 | 831 | 200 | 141 | 46 | 44 |
| ME 010-08 | 467 | 314 | 861 | 200 | 141 | 47 | 45 |
| ME 010-09 | 497 | 395 | 972 | 224 | 168 | 62 | 60 |
| ME 010-10 | 527 | 395 | 1002 | 224 | 168 | 63 | 61 |
| ME 010-11 | 557 | 395 | 1032 | 224 | 168 | 64 | 62 |
| ME 010-13 | 695 | 380 | 1155 | 260 | 196 | 85 | 83 |
| ME 010-15 | 755 | 380 | 1215 | 260 | 196 | 87 | 85 |
| ME 010-17 | 815 | 380 | 1275 | 260 | 196 | 95 | 93 |
| ME 010-18 | 845 | 380 | 1305 | 260 | 196 | 96 | 94 |
| ME 010-20 | 905 | 380 | 1365 | 260 | 196 | 98 | 96 |
| ME 010-21 | 935 | 380 | 1395 | 260 | 196 | 99 | 97 |
| ME 010-22 | 995 | 498 | 1573 | 310 | 235 | 147 | 145 |

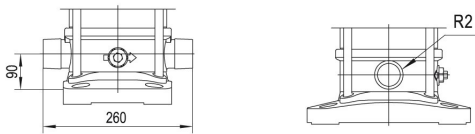
| Model | Motor (kW) | Q (m³/h) | 0 | 5 | 6 | 8 | 10 | 12 | 14 |
|-----------|------------|----------|-------|------|------|------|------|------|------|
| ME 010-02 | 0,75 | H (m) | 22,2 | 21 | 20,5 | 19 | 16,5 | 13,5 | 9,5 |
| ME 010-03 | 1,1 | | 33,3 | 31,5 | 31 | 28,5 | 25,5 | 22 | 16,5 |
| ME 010-04 | 1,5 | | 44,5 | 42 | 41 | 38 | 34 | 29 | 22 |
| ME 010-05 | 2,2 | | 56 | 52,5 | 51 | 48 | 43 | 37 | 28 |
| ME 010-06 | 2,2 | | 67 | 63 | 62 | 58 | 52 | 44 | 34 |
| ME 010-07 | 3 | | 78,5 | 74 | 73 | 69 | 62 | 52 | 40 |
| ME 010-08 | 3 | | 90 | 85 | 84 | 79 | 71 | 60 | 46 |
| ME 010-09 | 4 | | 101,5 | 96 | 94 | 89 | 80 | 67 | 52 |
| ME 010-10 | 4 | | 113 | 107 | 105 | 98 | 89 | 76 | 58 |
| ME 010-11 | 4 | | 124 | 118 | 115 | 108 | 98 | 84 | 64 |
| ME 010-13 | 5,5 | | 147 | 140 | 138 | 130 | 116 | 99 | 76 |
| ME 010-15 | 5,5 | | 171 | 162 | 159 | 149 | 134 | 114 | 88 |
| ME 010-17 | 7,5 | | 194 | 184 | 180 | 169 | 153 | 130 | 100 |
| ME 010-18 | 7,5 | | 205 | 195 | 191 | 180 | 163 | 141 | 108 |
| ME 010-20 | 7,5 | | 228 | 217 | 213 | 200 | 181 | 155 | 120 |
| ME 010-21 | 7,5 | | 240 | 228 | 223 | 210 | 191 | 162 | 126 |
| ME 010-22 | 11 | | 250 | 240 | 235 | 221 | 201 | 171 | 132 |

External vertical multistage pumps

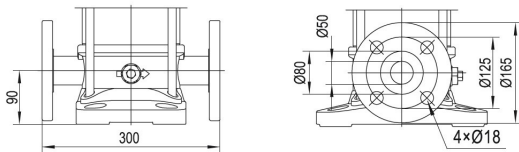
Type ME 15



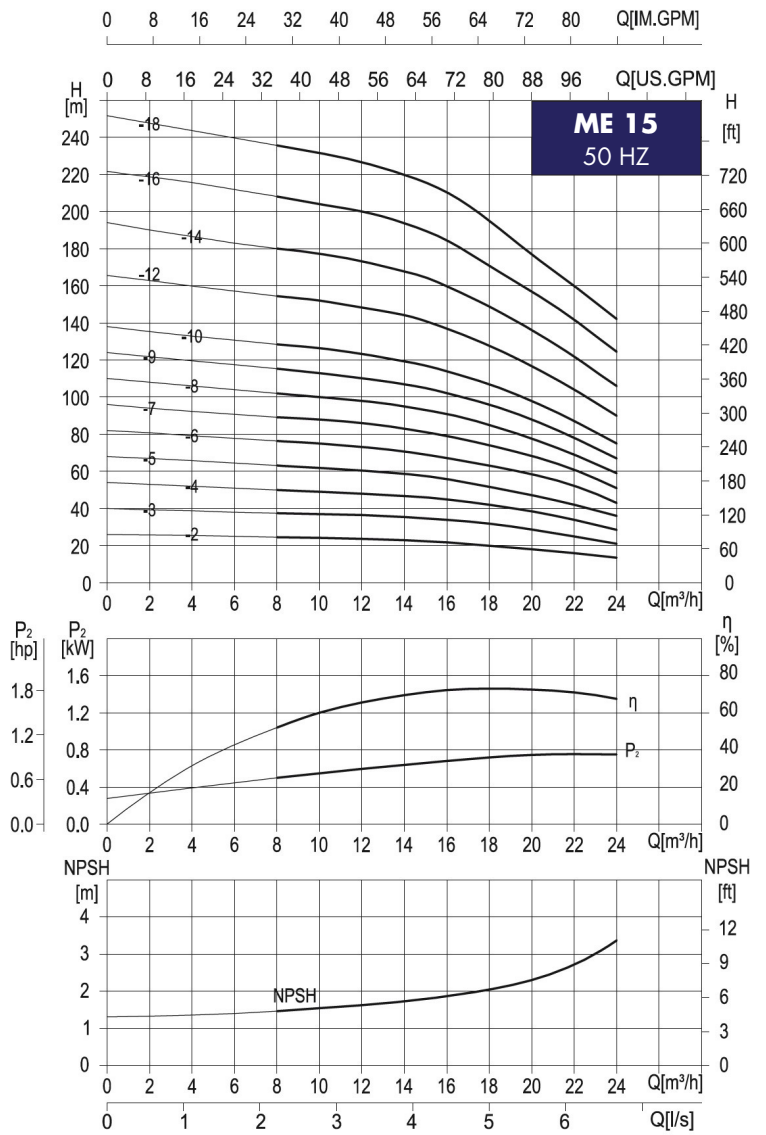
Victaulic
(Only available for MEX MEN versions)



Male threaded end
(Only available for MEX MEN versions)



Flange DN50
MEF MEX MEN



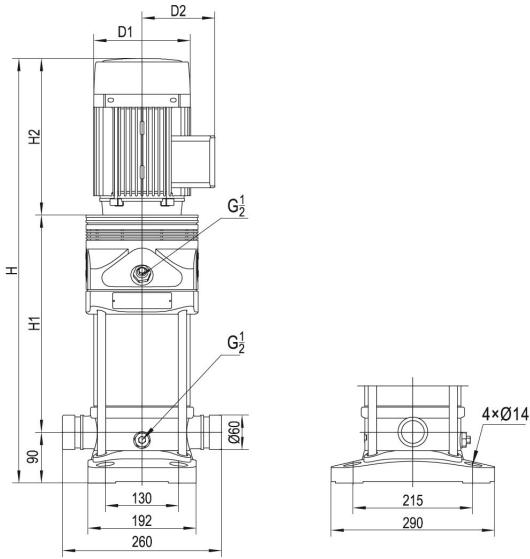
Size and performance

| Model | Dimensions | | | | | Weight (Kg) | |
|-----------|------------|-----|------|-----|-----|-------------|-----------|
| | H1 | H2 | H | D1 | D2 | MEF | MEX - MEN |
| ME 015-02 | 307 | 280 | 677 | 180 | 129 | 45 | 38 |
| ME 015-03 | 362 | 314 | 766 | 200 | 141 | 48 | 41 |
| ME 015-04 | 407 | 395 | 892 | 224 | 168 | 63 | 56 |
| ME 015-05 | 452 | 395 | 937 | 224 | 168 | 65 | 58 |
| ME 015-06 | 575 | 380 | 1045 | 260 | 196 | 87 | 80 |
| ME 015-07 | 620 | 380 | 1090 | 260 | 196 | 88 | 81 |
| ME 015-08 | 665 | 380 | 1135 | 260 | 196 | 93 | 86 |
| ME 015-09 | 710 | 380 | 1180 | 260 | 196 | 94 | 87 |
| ME 015-10 | 785 | 498 | 1373 | 310 | 235 | 134 | 127 |
| ME 015-12 | 875 | 498 | 1463 | 310 | 235 | 137 | 130 |
| ME 015-14 | 965 | 498 | 1553 | 310 | 235 | 140 | 133 |
| ME 015-16 | 1055 | 498 | 1643 | 310 | 235 | 171 | 164 |
| ME 015-18 | 1145 | 498 | 1733 | 310 | 235 | 173 | 166 |

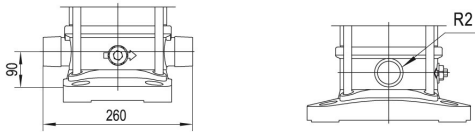
| Model | Motor (kW) | Q (m ³ /h) | 0 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 | 24 |
|-----------|------------|-----------------------|-----|------|-----|------|------|------|------|-----|-----|------|------|
| ME 015-02 | 2,2 | H (m) | 26 | 24,5 | 24 | 23,5 | 23 | 22,5 | 21,5 | 20 | 18 | 16 | 13,5 |
| ME 015-03 | 3 | | 40 | 37,5 | 37 | 36,5 | 35,5 | 34,5 | 34 | 32 | 29 | 25 | 21 |
| ME 015-04 | 4 | | 54 | 50,5 | 50 | 49 | 47,5 | 47 | 46 | 43 | 39 | 34 | 28,5 |
| ME 015-05 | 4 | | 68 | 63 | 62 | 61 | 59 | 58 | 57 | 53 | 48 | 42,5 | 36 |
| ME 015-06 | 5,5 | | 82 | 76 | 75 | 73 | 71 | 69 | 67 | 63 | 58 | 52 | 43 |
| ME 015-07 | 5,5 | | 96 | 89 | 88 | 86 | 83 | 81 | 79 | 74 | 68 | 61 | 51 |
| ME 015-08 | 7,5 | | 110 | 102 | 100 | 98 | 95 | 93 | 91 | 85 | 78 | 69 | 59 |
| ME 015-09 | 7,5 | | 124 | 115 | 113 | 111 | 108 | 106 | 103 | 96 | 88 | 78 | 67 |
| ME 015-10 | 11 | | 138 | 128 | 126 | 124 | 121 | 118 | 115 | 107 | 98 | 87 | 75 |
| ME 015-12 | 11 | | 166 | 154 | 152 | 149 | 145 | 142 | 138 | 129 | 117 | 104 | 90 |
| ME 015-14 | 11 | | 194 | 180 | 177 | 173 | 168 | 165 | 160 | 149 | 136 | 122 | 106 |
| ME 015-16 | 15 | | 222 | 209 | 205 | 200 | 194 | 189 | 184 | 172 | 157 | 142 | 125 |
| ME 015-18 | 15 | | 250 | 235 | 231 | 225 | 218 | 213 | 207 | 194 | 177 | 160 | 141 |

External vertical multistage pumps

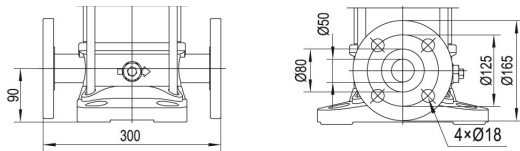
Type ME 20



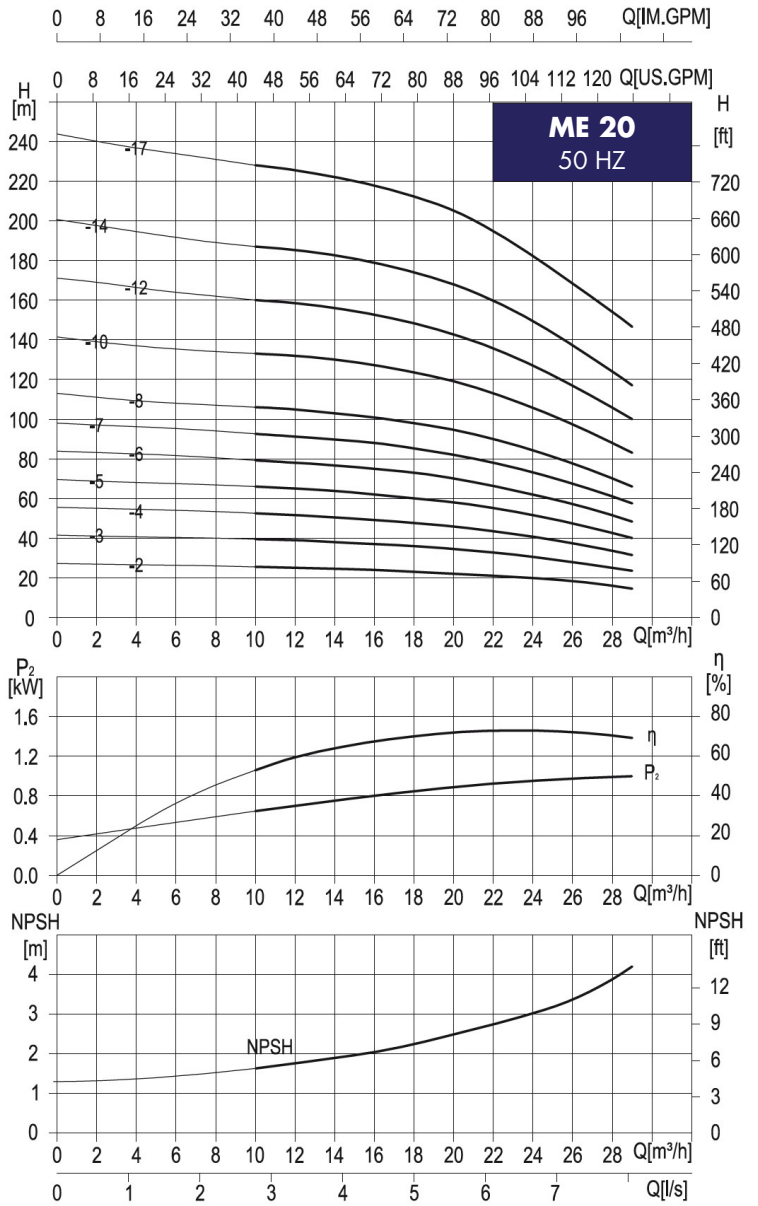
Victaulic
(Only available for MEX MEN versions)



Male threaded end
(Only available for MEX MEN versions)



Flange DN50
MEF MEX MEN



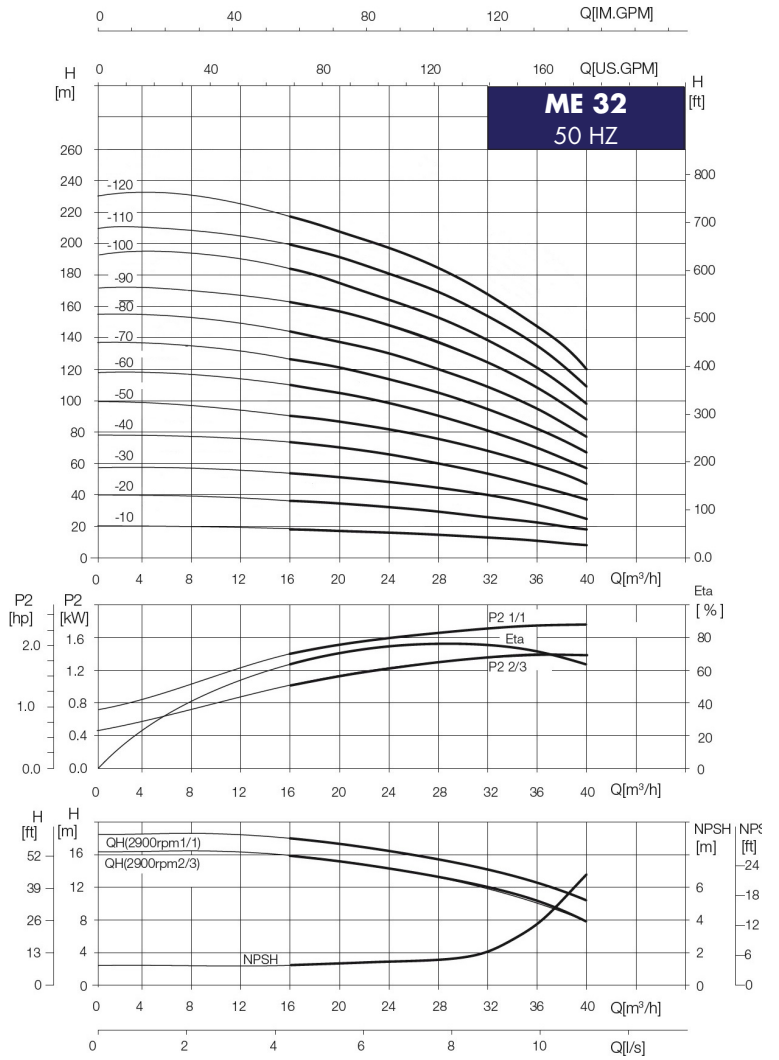
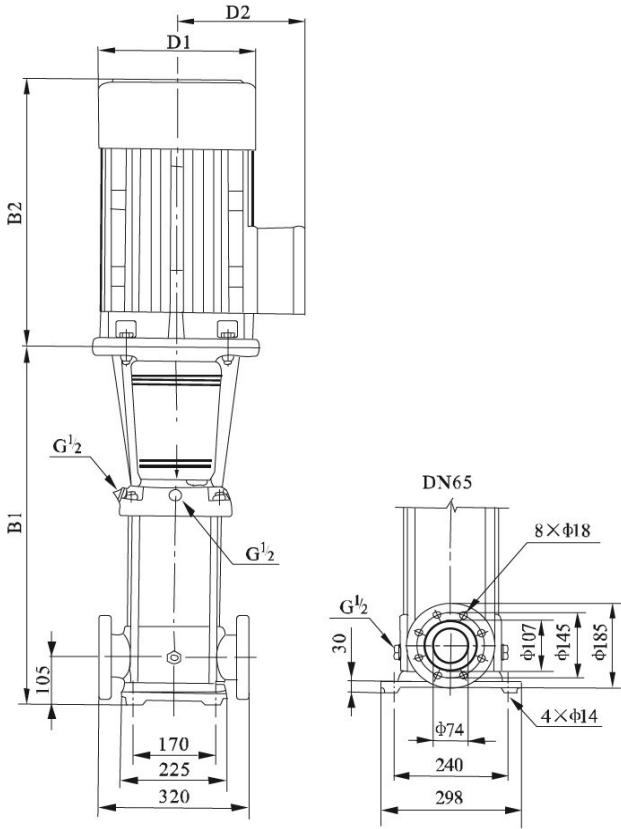
Size and performance

| Model | Dimensions | | | | | Weight (Kg) | |
|-----------|------------|-----|------|-----|-----|-------------|-----------|
| | H1 | H2 | H | D1 | D2 | MEF | MEX - MEN |
| ME 020-02 | 307 | 280 | 677 | 180 | 129 | 45 | 38 |
| ME 020-03 | 362 | 395 | 847 | 224 | 168 | 63 | 56 |
| ME 020-04 | 485 | 380 | 955 | 260 | 196 | 85 | 78 |
| ME 020-05 | 530 | 380 | 1000 | 260 | 196 | 87 | 80 |
| ME 020-06 | 575 | 380 | 1045 | 260 | 196 | 94 | 87 |
| ME 020-07 | 620 | 380 | 1090 | 260 | 196 | 95 | 88 |
| ME 020-08 | 695 | 498 | 1283 | 310 | 235 | 144 | 137 |
| ME 020-10 | 785 | 498 | 1373 | 310 | 235 | 147 | 140 |
| ME 020-12 | 875 | 498 | 1463 | 310 | 235 | 177 | 170 |
| ME 020-14 | 965 | 498 | 1553 | 310 | 235 | 180 | 173 |
| ME 020-17 | 1100 | 542 | 1732 | 310 | 235 | 198 | 191 |

| Model | Motor (kW) | Q (m³/h) | H (m) | | | | | | | | | | | |
|-----------|------------|----------|-------|------|-----|------|-----|------|-----|-----|------|-----|-----|------|
| | | | 0 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 29 |
| ME 020-02 | 2,2 | H (m) | 27,2 | 25,5 | 25 | 24,5 | 24 | 23,7 | 23 | 22 | 20,5 | 18 | 16 | 14,5 |
| ME 020-03 | 4 | | 41,5 | 39,5 | 39 | 38 | 37 | 36 | 35 | 33 | 31 | 28 | 25 | 23,5 |
| ME 020-04 | 5,5 | | 55,5 | 52,5 | 51 | 50 | 49 | 48,5 | 47 | 45 | 41,5 | 37 | 33 | 31,5 |
| ME 020-05 | 5,5 | | 69,5 | 66 | 65 | 64 | 62 | 60 | 58 | 55 | 51 | 47 | 42 | 40 |
| ME 020-06 | 7,5 | | 84 | 79 | 78 | 77 | 75 | 73 | 70 | 66 | 62 | 58 | 52 | 48 |
| ME 020-07 | 7,5 | | 98 | 92,5 | 91 | 90 | 88 | 85 | 82 | 78 | 73 | 68 | 61 | 57,5 |
| ME 020-08 | 11 | | 113 | 106 | 105 | 103 | 101 | 98 | 95 | 90 | 84 | 77 | 70 | 66 |
| ME 020-10 | 11 | | 141 | 133 | 132 | 130 | 127 | 123 | 119 | 113 | 106 | 97 | 88 | 83 |
| ME 020-12 | 15 | | 171 | 160 | 158 | 156 | 153 | 149 | 143 | 137 | 127 | 117 | 106 | 100 |
| ME 020-14 | 15 | | 200 | 187 | 185 | 183 | 179 | 174 | 168 | 160 | 149 | 137 | 124 | 117 |
| ME 020-17 | 18,5 | | 244 | 228 | 225 | 222 | 218 | 212 | 205 | 195 | 182 | 168 | 154 | 147 |

External vertical multistage pumps

Type ME 32



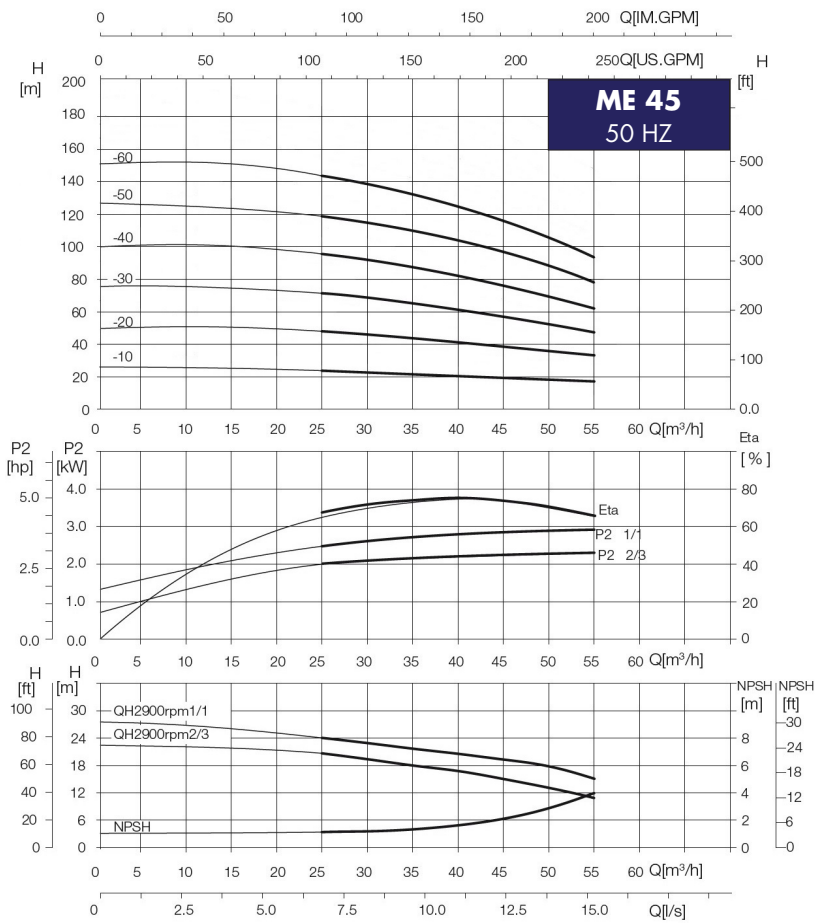
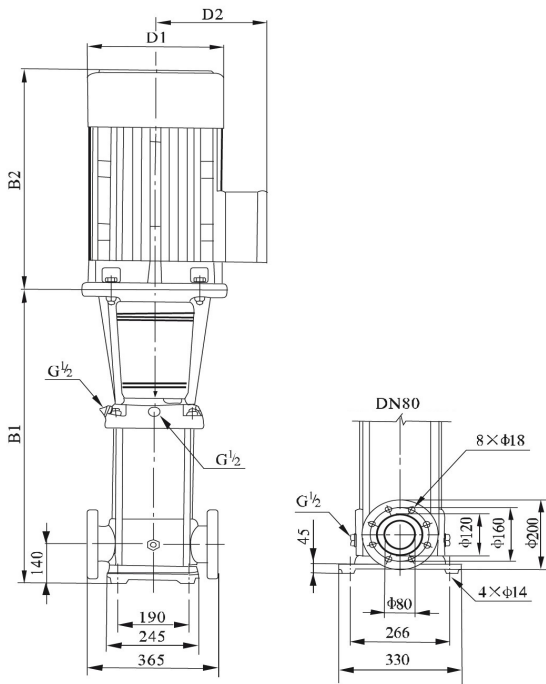
Size and performance

| Model | Dimensions | | | | | Weight (Kg) |
|-----------|------------|-----|------|-----|-----|-----------------|
| | B1 | B2 | B | D1 | D2 | MEF - MEX - MEN |
| ME 032-1 | 505 | 280 | 785 | 180 | 129 | 65 |
| ME 032-2 | 575 | 395 | 970 | 224 | 168 | 82 |
| ME 032-3 | 645 | 380 | 1025 | 260 | 196 | 97 |
| ME 032-4 | 715 | 380 | 1095 | 260 | 196 | 104 |
| ME 032-5 | 890 | 498 | 1388 | 310 | 235 | 158 |
| ME 032-6 | 960 | 498 | 1458 | 310 | 235 | 162 |
| ME 032-7 | 1030 | 498 | 1528 | 310 | 235 | 188 |
| ME 032-8 | 1100 | 498 | 1598 | 310 | 235 | 192 |
| ME 032-9 | 1170 | 542 | 1712 | 310 | 235 | 208 |
| ME 032-10 | 1240 | 542 | 1782 | 310 | 235 | 213 |
| ME 032-11 | 1310 | 542 | 1852 | 310 | 235 | 205 |
| ME 032-12 | 1380 | 542 | 1922 | 310 | 235 | 209 |

| Model | Motor (kW) | Q (m³/h) | H (m) | | | | | | |
|-----------|------------|----------|-------|-----|-----|-----|-----|-----|-----|
| | | | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| ME 032-1 | 2,2 | H (m) | 18 | 17 | 15 | 14 | 13 | 11 | 8 |
| ME 032-2 | 4 | | 36 | 34 | 32 | 29 | 27 | 23 | 18 |
| ME 032-3 | 5,5 | | 54 | 51 | 48 | 44 | 40 | 35 | 27 |
| ME 032-4 | 7,5 | | 72 | 69 | 65 | 59 | 53 | 47 | 37 |
| ME 032-5 | 11 | | 90 | 86 | 81 | 74 | 67 | 59 | 47 |
| ME 032-6 | 11 | | 108 | 104 | 97 | 90 | 81 | 72 | 57 |
| ME 032-7 | 15 | | 126 | 121 | 113 | 105 | 95 | 85 | 67 |
| ME 032-8 | 15 | | 144 | 138 | 130 | 120 | 109 | 97 | 77 |
| ME 032-9 | 18,5 | | 162 | 156 | 147 | 136 | 124 | 109 | 88 |
| ME 032-10 | 18,5 | | 182 | 173 | 164 | 152 | 138 | 122 | 98 |
| ME 032-11 | 22 | | 200 | 191 | 180 | 168 | 153 | 135 | 109 |
| ME 032-12 | 22 | | 218 | 208 | 196 | 184 | 167 | 147 | 120 |

External vertical multistage pumps

Type ME 45



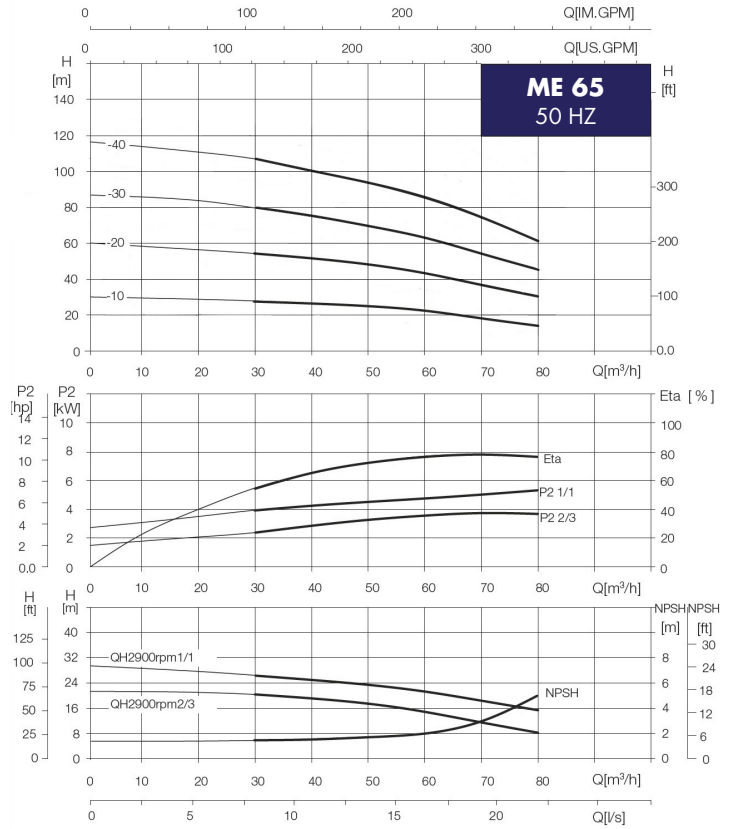
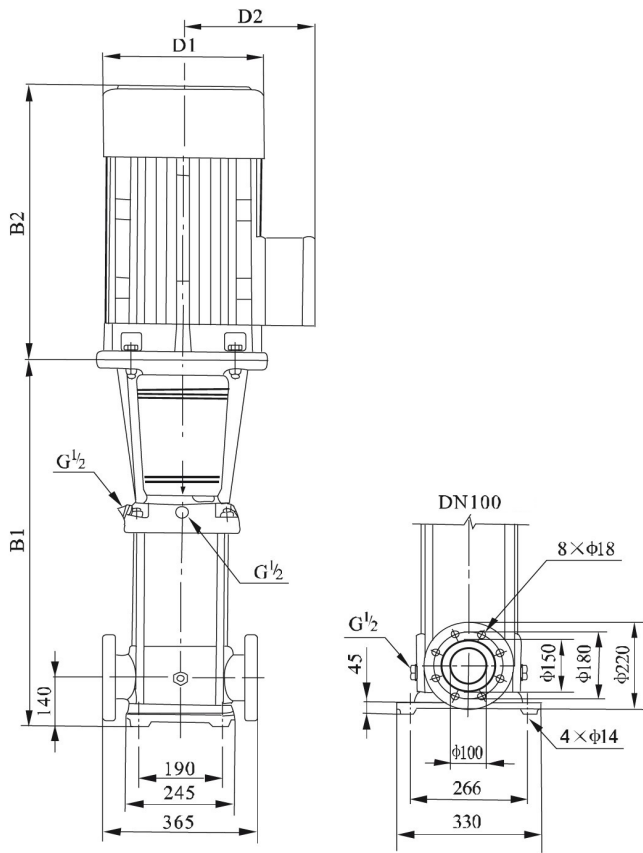
Size and performance

| Model | Dimensions | | | | | Weight (Kg) |
|-----------|------------|-----|------|-----|-----|-----------------|
| | B1 | B2 | B | D1 | D2 | MEF - MEX - MEN |
| MEF045-01 | 561 | 395 | 956 | 224 | 168 | 87 |
| MEF045-02 | 641 | 380 | 1021 | 260 | 196 | 105 |
| MEF045-03 | 826 | 498 | 1324 | 310 | 235 | 160 |
| MEF045-04 | 906 | 498 | 1404 | 310 | 235 | 186 |
| MEF045-05 | 986 | 542 | 1528 | 310 | 235 | 207 |
| MEF045-06 | 1066 | 542 | 1608 | 310 | 235 | 194 |

| Model | Motor (kW) | Q (m³/h) | H (m) | | | | | | | |
|-----------|------------|----------|-------|-----|-----|-----|-----|-----|-----|----|
| | | | 25 | 30 | 35 | 40 | 42 | 45 | 50 | 55 |
| ME 045-01 | 4 | H (m) | 24 | 26 | 22 | 21 | 20 | 19 | 18 | 16 |
| ME 045-02 | 7,5 | | 48 | 46 | 44 | 42 | 41 | 39 | 35 | 31 |
| ME 045-03 | 11 | | 71 | 69 | 66 | 63 | 61 | 58 | 53 | 47 |
| ME 045-04 | 15 | | 95 | 92 | 88 | 84 | 81 | 78 | 71 | 62 |
| ME 045-05 | 18,5 | | 119 | 115 | 110 | 105 | 101 | 97 | 88 | 78 |
| ME 045-06 | 22 | | 143 | 138 | 132 | 125 | 122 | 116 | 106 | 93 |

External vertical multistage pumps

Type ME 65



Size and performance

| Model | Dimensions | | | | | Weight (Kg) |
|-----------|------------|-----|------|-----|-----|-----------------|
| | B1 | B2 | B | D1 | D2 | MEF - MEX - MEN |
| ME 065-01 | 561 | 380 | 941 | 260 | 196 | 102 |
| ME 065-02 | 754 | 498 | 1252 | 310 | 235 | 159 |
| ME 065-03 | 836 | 542 | 1378 | 310 | 235 | 207 |
| ME 065-04 | 919 | 542 | 1461 | 310 | 235 | 191 |

| Model | Motor (kW) | Q (m³/h) | H (m) | | | | | | | |
|-----------|------------|----------|-------|-----|----|----|----|----|----|--|
| | | | 30 | 40 | 50 | 60 | 65 | 70 | 80 | |
| ME 065-01 | 5,5 | H (m) | 27 | 25 | 23 | 21 | 20 | 18 | 15 | |
| ME 065-02 | 11 | | 53 | 51 | 47 | 43 | 40 | 37 | 30 | |
| ME 065-03 | 18,5 | | 80 | 76 | 70 | 64 | 60 | 55 | 46 | |
| ME 065-04 | 22 | | 107 | 101 | 94 | 85 | 80 | 74 | 61 | |

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