METTA

# MXVF

## VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

VARIABLE FREQUENCY PERMANENT MAGNET MOTOR




PRODUCT TECHNICAL GUIDE

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# 1. MXVF

The MXVF series is a range of vertical multistage centrifugal pumps driven by an integrated permanent magnet variable frequency motor. With the pump and speed controller integrated into a single unit, flow and pressure are adjusted continuously through speed variation, rather than by valve throttling or on/off cycling.
The MXVF series is engineered to handle the variable flow demand typical of water supply systems, where the pump spends most of its operating time well below its rated duty point. Under these conditions, a fixed-speed asynchronous motor operates at part load, and therefore at low efficiency, while the permanent magnet motor maintains high efficiency across a wide load range. The wide choice of construction materials makes the series suitable for a broad range of applications. MXVF pumps are installed directly in the pipeline, with suction and discharge ports of the same diameter aligned on the same axis (in-line design), and can be used as a single booster pump or as part of a multi-pump booster set with automatic communication and coordination between units.

## 1.1 Technical Features & Construction

Integrated permanent magnet variable frequency motor with built-in speed controller and smart control panel (see Figure 1).

- Motor efficiency IE5 level
- Continuous speed regulation across the entire operating range, keeping system pressure constant regardless of demand fluctuations.
- Laser welding of the stainless steel components.
- Cartridge-type mechanical seal, for easy replacement.
- Heavy-duty bearings specifically selected for permanent magnet variable frequency duty.
- Hydraulic connections available as flange, thread or Tri-Clamp.
- Electromagnetic compatibility suitable for operation in strict electromagnetic environments.
- Low noise operation compared with an equivalent fixed-speed unit at part load.
- Function pre-set at the factory; ready for installation without external drive cabinet.



Figure 1

## 1.2 Available Construction Materials

- Stainless steel AISI304 (standard version, model code S)
- Stainless steel AISI316 (on request, model code N)
- Duplex stainless steel SS2205 (on request, model code D)

### Pump operating conditions

- Pumped liquids: thin, clean, non-flammable, non-combustible or non-explosive liquids, not containing solid particles or fibres.
- Maximum ambient temperature: +40 °C
- Maximum altitude above sea level: 1000 m
- Liquid temperature: −15 °C to +120 °C

### Performance curves

- All performance data are based on 3500 rpm.
- Tolerances to ISO 9906.
- Measurements have been made with airless water at a temperature of 20 °C.
- The curves apply to the following kinematic viscosity: v = 1 mm²/s.
- Select the best pump duty point, operating within the bold section of the pump performance curve, to avoid motor overload caused by a flow that is too small or too large.

### Applications

MXVF pumps are suitable for a wide range of applications:

- Secondary water supply and booster sets for building installations.
- Filtration and transportation in water treatment plants.
- Water delivered to different areas from a main water plant.
- Heating and hot water supply systems.
- Cooling and air conditioning systems.
- Main network pressurisation and high-rise building pressurisation.
- Environmental protection and water treatment systems.
- Industrial cleaning systems.
- Industrial media transmission and distribution systems.
- Fan, compressor and other general machinery service water.
- Process water systems.

### Pipe connection

- Flange-standard version
- Thread-upon request
- Tri-Clamp-upon request

## 1.3 Model Specification

**Example: MXVF S/T 10 - 50 - 2**

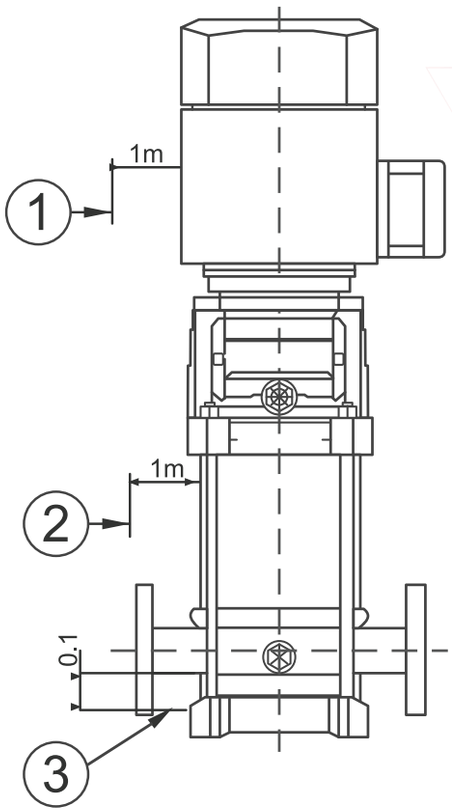
MXVF S / T 10 - 50 - 2

- Vertical multistage permanent magnet variable frequency electric pump
- **Construction material:** S: AISI304, N: AISI316, D: Duplex SS2205
- **Operating voltage:** **T:** 3~400V, **[blank]:** 1~230V
- **Rated flow rate** (m³/h)
- **Number of stages × 10**
- **Number of trimmed impellers**

*For the MXVF32 and MXVF45 series, a suffix "-1" indicates one reduced-diameter impeller and "-2" indicates two reduced-diameter impellers, e.g. MXVF45-10-1.*

### Ambient temperature

If the ambient temperature exceeds 40°C or the pump is installed at an altitude exceeding 1000 m, the motor output power P2 will be reduced. In such cases it is necessary to use a motor with a higher rated power.




Drawing 1 – Noise Measurement Positions
(1, 2, 3 = measuring points, distance ≤ 1 m)

## 1.4 Noise Level

Pump operating noise is inspected while the pump runs under the specified operating conditions. If any abnormal noise is detected, further measurement is carried out with suitable instruments. The measured A-weighted sound pressure level (LpA) complies with the values given in the table below.

The permissible positive tolerance on the values below is +3 dB(A). At each measuring point, the background noise level is at least 10 dB(A) lower than that of the pump under test. The measuring distance does not exceed 1 m, with a minimum of three measuring points per pump (see Drawing 1).

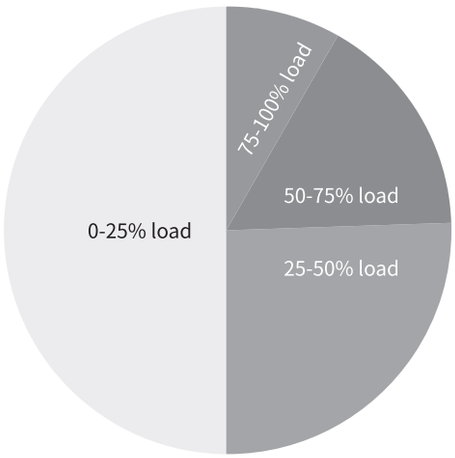
### Pump Operating Noise Limits (LpA)

| Motor Power (kW) | 50 Hz (2-pole) — LpA dB(A) | 60 Hz (2-pole) — LpA dB(A) |
|---|---|---|
| **0.37–0.55 (Single-phase)** | 58 | 62 |
| **0.75–1.1 (Single-phase)** | 60 | 64 |
| **1.5–2.2 (Single-phase)** | 64 | 68 |
| **0.37–0.55** | 56 | 60 |
| **0.75–1.1** | 58 | 62 |
| **1.5–2.2** | 62 | 66 |
| **3–4** | 67 | 71 |
| **5.5–9.2** | 70 | 74 |
| **11–18.5** | 75 | 79 |
| **22–26** | 77 | 81 |
| **30–45** | 80 | 84 |
| **55** | 81 | 85 |
| **75–90** | 82 | 86 |
| **110** | 91 | 95 |

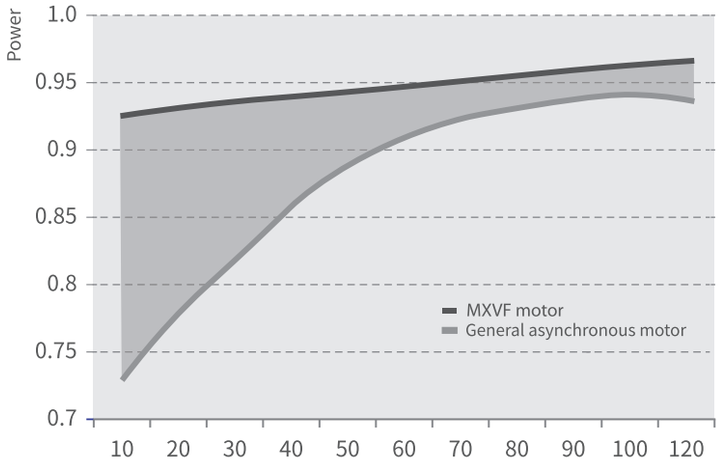
# 2. PERMANENT MAGNET VARIABLE FREQUENCY TECHNOLOGY

**Motor efficiency and energy savings — permanent-magnet variable-frequency motor.**

Motor is optimized based on the flow rate variation in secondary water supply applications




Time proportion of motor loading




Energy saving space with permanent magnet variable frequency motor

Figure 2

## 2.1 Motor Efficiency and Energy Saving

In water supply networks, demand fluctuates mainly at part-load levels. This means that the pump rarely operates close to its maximum capacity, while most of the time it is required to deliver only a fraction of its nominal flow rate. A fixed-speed asynchronous motor loses efficiency sharply in that region (see Figure 2).
The MXVF permanent magnet motor maintains an efficiency of over 92% from as little as 10% of rated load and stays close to its peak across the entire load range, whereas the efficiency of an asynchronous motor drops sharply at low loads (see Figure 2). Its efficiency also exceeds the IE5 class across the entire output power range of the series (see Figure 3). The result is a lower average absorbed power over the duty cycle, and therefore a lower running cost, than an equivalent IE3 fixed-speed unit performing the same hydraulic work.

**MXVF motor efficiency compared with the IE2–IE5 classes across the output-power range.**

IE5 Efficiency, Energy and power saving, operation cost reducing

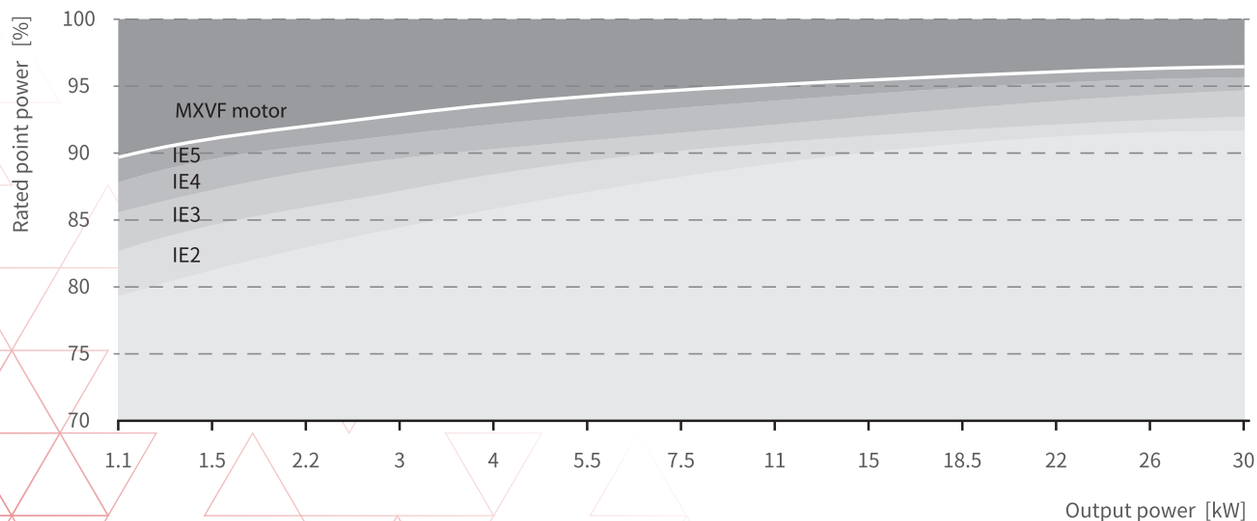
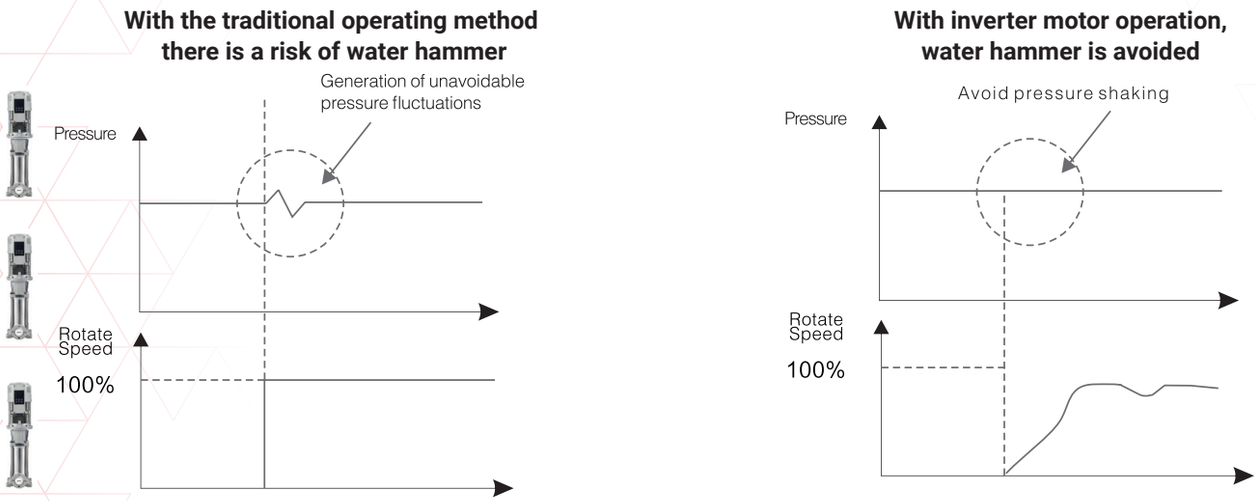



Figure 3

## Operation with inverter motor




When a pump with a fixed-speed motor is switched on or off, the rotation speed will jump from 0% to 100% in a short period of time, causing water hammer.

The rotation speed and head can be adjusted instantly according to flow demand and pressure.

Figure 4

## 2.2 Soft Switching and Pressure Stability

With a conventional fixed-speed pump, the rotational speed cannot be controlled during startup and shutdown, as it transitions abruptly between 0% and 100%. This rapid shift causes pressure fluctuations in the system, exposing the installation to the risk of water hammer.

The MXVF variable frequency controller adjusts the rotational speed continuously, so speed and head follow the actual water demand and pressure. Pressure shaking during switching in or out is avoided, and the water hammer risk is reduced both when starting and stopping and during normal running.

## 2.3 Smart touch screen

Each MXVF unit carries an integrated control panel with a digital display, giving direct access to the operating data and to the parameter set without any external drive or programming tool.

- Visual presentation of the important operating data.
- Simple setting of the operating data directly on the pump.
- Data auto-synchronized among multiple pumps in a booster set.
- Manual, automatic and sleep operating modes.
- Breakdown alarm guide built into the panel.
- Administrative permission setting to protect the configuration.

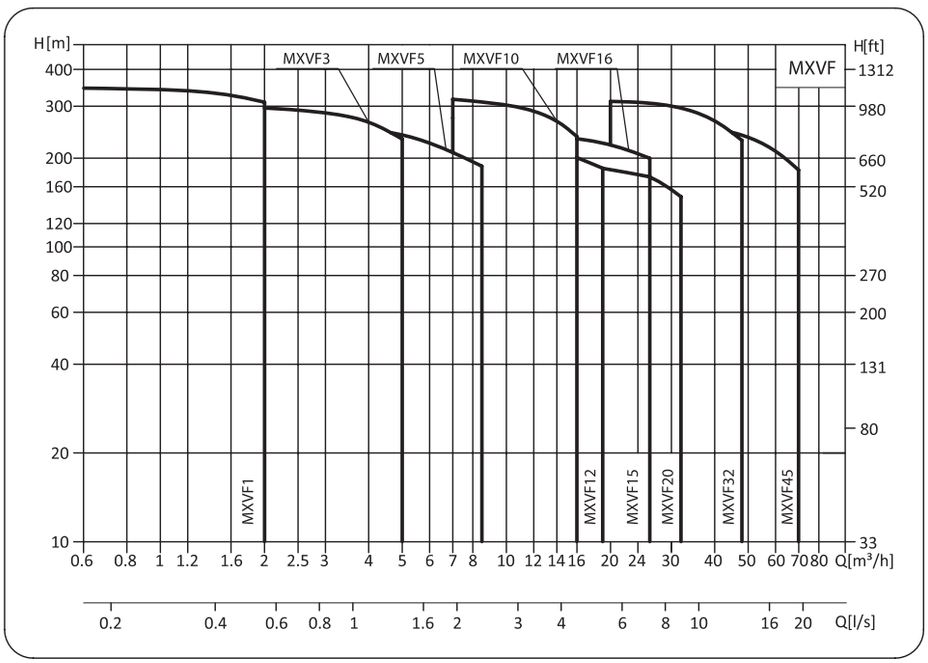



Figure 5

## 2.4 Protection and Control Functions

| Protection | Control | System functions |
|---|---|---|
| Low voltage protection | Smart rotation | Pump assisting |
| Phase break protection | Manual switch control | Time-Based Pressure Profile |
| Overload protection | Low-Flow Cut-Off | Data auto-sync between pumps |
| Shaft lock protection | Sleep mode | Administrative permission setting |
| Water shortage protection | Breakdown alarm guide | – |

## 3. MXVF SERIES PERFORMANCE RANGE




The chart performance curves define the operational envelope covered by the thirteen MXVF models at 3500 rpm. Each model overlaps the next, ensuring that any duty point within the overall range can be met by at least one pump size. Where two models overlap, select the one whose rated flow is closest to the required duty point for optimal efficiency.
Overall range of the MXVF programme: flow from 0.6 m³/h to 70 m³/h, head up to 346 m, motor rating from 0.75 kW to 45 kW, across 186 models in three material executions.

## 4. MXVF SERIES PERFORMANCE SUMMARY TABLE

| Series | Rated flow (m³/h) | Flow rate range (m³/h) | Max. head (m) | Power range (kW) | Connection | Models |
|---|---|---|---|---|---|---|
| MXVF1 | 1 | 0.6 – 2 | 346 | 0.75 – 4 | PN25-40 / DN25 | 24 |
| MXVF3 | 3 | 1.5 – 5 | 300 | 0.75 – 5.5 | PN25-40 / DN25 | 23 |
| MXVF5 | 5 | 3 – 8.5 | 252 | 0.75 – 7.5 | PN25-40 / DN32 | 19 |
| MXVF10 | 10 | 7 – 16 | 317 | 2.2 – 15 | PN25-40 / DN40 | 15 |
| MXVF12 | 12 | 7 – 19 | 237 | 3 – 15 | PN25-40 / DN40 | 9 |
| MXVF15 | 15 | 10 – 26 | 244 | 2.2 – 18.5 | PN25-40 / DN40 | 10 |
| MXVF16 | 16 | 10 – 26 | 198 | 2.2 – 18.5 | PN25-40 / DN40 | 8 |
| MXVF20 | 20 | 12 – 32 | 204 | 2.2 – 18.5 | PN25-40 / DN40 | 8 |
| MXVF32 | 32 | 20 – 48 | 312 | 4 – 45 | PN25-40 / DN65 | 20 |
| MXVF45 | 45 | 30 – 70 | 258 | 5.5 – 45 | PN25-40 / DN80 | 13 |

Flow rate range = range of the tabulated performance points for the series. Max. head = highest tabulated head within the series, at the lowest tabulated flow. Connection = flange rating and nominal diameter; thread and Tri-Clamp versions are available upon request for the same hydraulics.

### Common technical data - all series

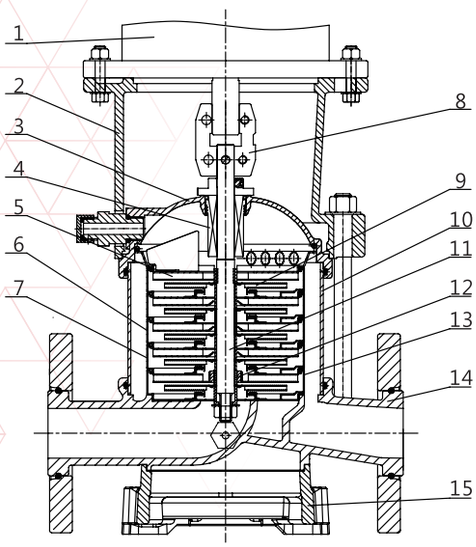
| Parameter | Value |
|---|---|
| Rotational speed | 3500 rpm |
| Performance tolerance | ISO 9906 |
| Test liquid | Air-free water at 20 °C, v = 1 mm²/s |
| Liquid temperature, normal execution | −15 °C to +70 °C |
| Liquid temperature, hot execution | −15 °C to +120 °C |
| Maximum ambient temperature | +40 °C |
| Maximum altitude | 1000 m |
| Motor type | Permanent magnet variable frequency, integrated controller |
| Insulation Class | F |
| Enclosure class | IP55 |
| Motor efficiency | IE5 |
| Materials | AISI304 (S) / AISI316 (N) / Duplex SS2205 (D) |
| Bearing | Tungsten carbide |
| Mechanical seal | Cartridge type |

### MXVF specifications

| Parameter | MXVF1 | MXVF3 | MXVF5 | MXVF10 | MXVF12 | MXVF15 | MXVF16 | MXVF20 | MXVF32 | MXVF45 |
|---|---|---|---|---|---|---|---|---|---|---|
| Rated flow (m³/h) | 1 | 3 | 5 | 10 | 12 | 15 | 16 | 20 | 32 | 45 |
| Flow rate range (m³/h) | 0.6–2 | 1.5–5 | 3–8.5 | 7–16 | 7–19 | 10–26 | 10–26 | 12–32 | 20–48 | 30–70 |
| Max. head (m) | 346 | 300 | 252 | 317 | 237 | 244 | 198 | 204 | 312 | 258 |
| Max. pressure (bar) | 34 | 29 | 25 | 31 | 23 | 24 | 19 | 20 | 31 | 25 |
| Power range (kW) | 0.75–4 | 0.75–5.5 | 0.75–7.5 | 2.2–15 | 3–15 | 2.2–18.5 | 2.2–18.5 | 2.2–18.5 | 4–45 | 5.5–45 |
| Connection (DIN) | DN25 | DN25 | DN32 | DN40 | DN40 | DN40 | DN40 | DN40 | DN65 | DN80 |

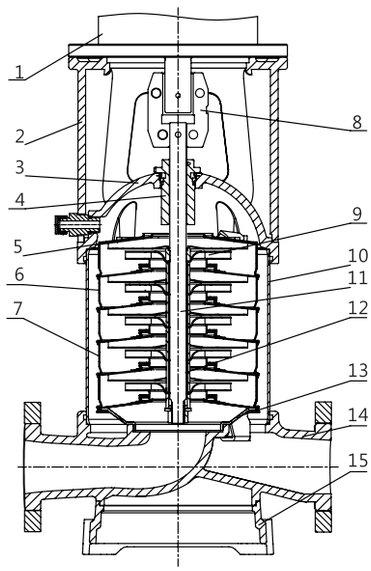
# 5. STRUCTURES

## MXVF1–5



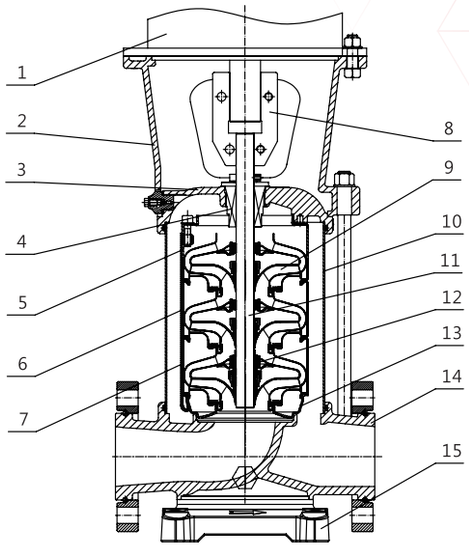

Sectional arrangement, MXVF1, 2, 3, 4, 5. Item numbers refer to the materials table in section 6.

## MXVF10–20




Sectional arrangement, MXVF10, 12, 15, 16, 20. Item numbers refer to the materials table in section 6.

## MXVF32–45




Sectional arrangement, MXVF32, 45. Item numbers refer to the materials table in section 6.

# 6. MATERIALS

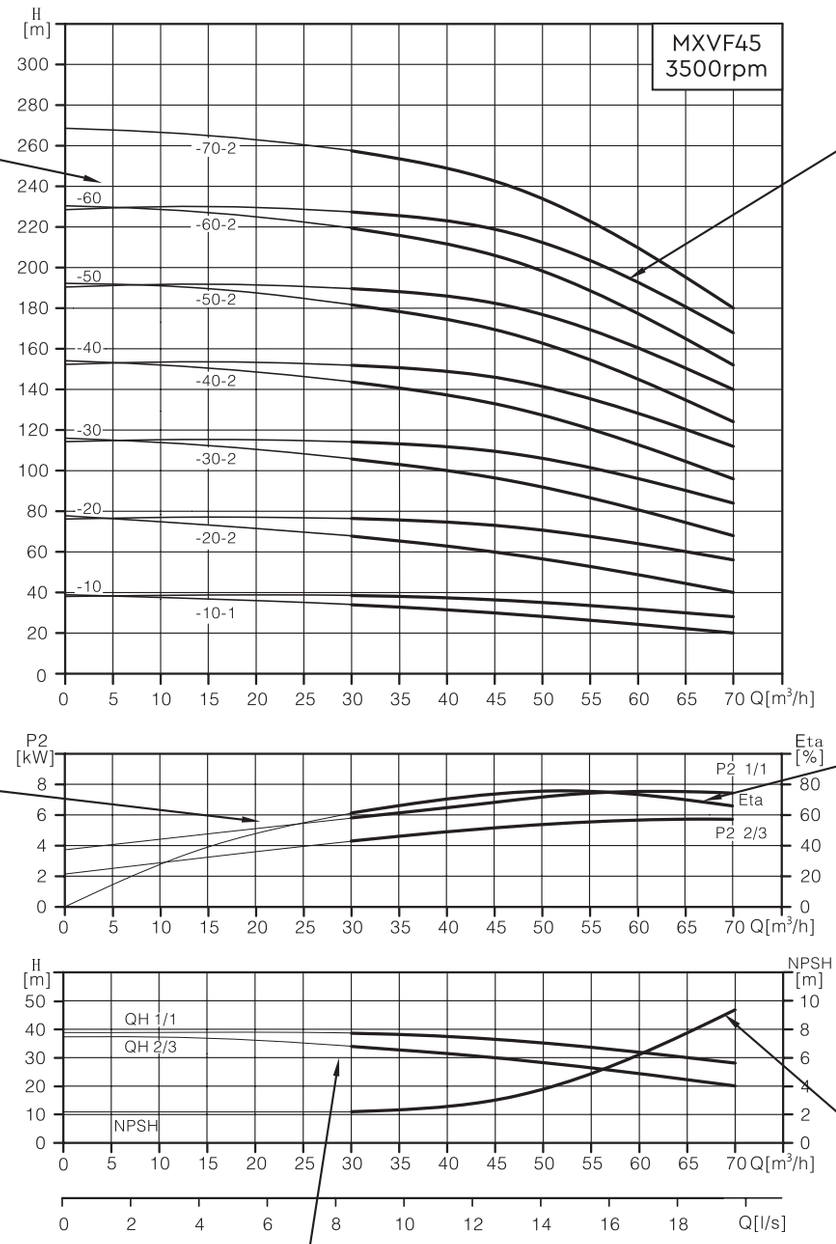
## MXVF

| No. | Spare parts | Materials | EN / DIN | AISI/ASTM |
|---|---|---|---|---|
| 1 | Motor | / | / | / |
| 2 | Bracket | Ductile cast iron | EN 1563 EN-GJS-500-7 | ASTM A536 65-45-12 |
| 3 | Seal base | Stainless steel | EN 10088-1.4301 | AISI304 |
| 4 | Mechanical seal | / | / | / |
| 5 | Top diffuser | Stainless steel | EN 10088-1.4301 | AISI304 |
| 6 | Diffuser | Stainless steel | EN 10088-1.4301 | AISI304 |
| 7 | Support diffuser | Stainless steel | EN 10088-1.4301 | AISI304 |
| 8 | Coupling | Ductile cast iron | EN 1563 EN-GJS-500-7 | ASTM A536 65-45-12 |
| 9 | Impeller | Stainless steel | EN 10088-1.4301 | AISI304 |
| 10 | Cylinder | Stainless steel | EN 10088-1.4301 | AISI304 |
| 11 | Shaft | Stainless steel | EN 10088-1.4301 | AISI304 |
| 12 | Bearing | Tungsten carbide | / | / |
| 13 | Inducer | Stainless steel | EN 10088-1.4301 | AISI304 |
| 14 | Inlet & outlet chamber | Stainless steel | EN 10088-1.4301 | AISI304 |
| 15 | Base | Ductile cast iron | EN 1563 EN-GJS-500-7 | ASTM A536 65-45-12 |

Table applies to the AISI304 (S) execution. In the AISI316 (N) and Duplex SS2205 (D) executions the stainless steel components are supplied in EN 10088–1.4401 / AISI316 and in Duplex SS2205 respectively; ductile cast iron components are unchanged.

## 7. CURVE CHARTS READING

Example : MXVF45




Number of stages
First figure: number of stages*10
Second figure: number of reduced-diameter impellers

The bold curves indicate the recommended duty range for best efficiency.

The power curves indicate pump input power per stage. Curves are shown for full (1/1) and for reduced-diameter (2/3) impellers

The ETA curve shows the efficiency of a pump with an average number of stages. The efficiency of pumps with reduced-diameter impellers is approximately 2 % lower than the eta curve shown in the chat

The NPSH curve shows the efficiency of a pump with an average number of stages, a safety margin of at least 0.5m should be added in the selection

Q-H curve for each individual impeller. Curves are shown for full (1/1) and for reduced-diameter (2/3) impellers.

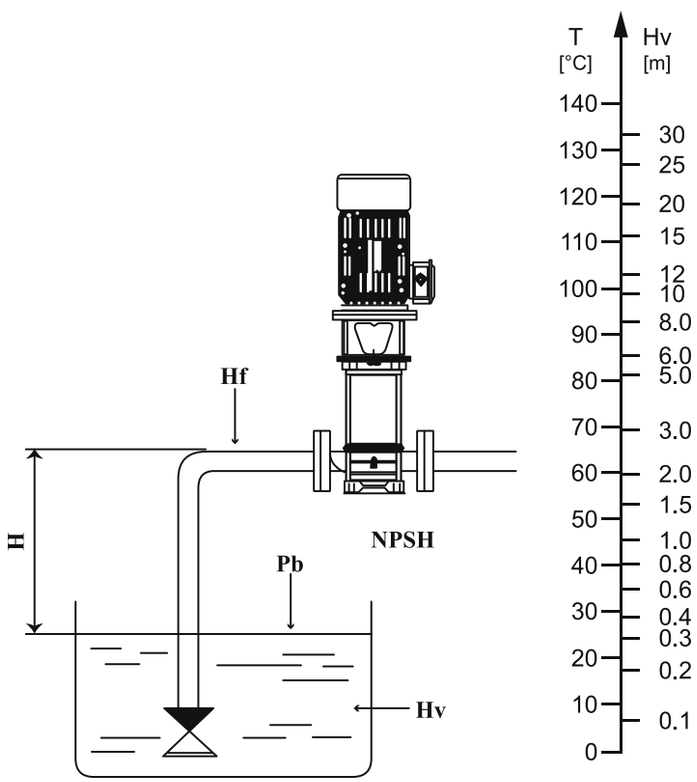
## 8. MINIMUM SUCTION PRESSURE, NPSH

Cavitation may occur if any of the following conditions exist during operation of the pump:

- The water tank or pool is lower than the pump inlet.
- High liquid temperature.
- Actual flow significantly greater than the rated flow.
- The pressure in the pump is lower than the vaporization pressure of the conveyed liquid.

To avoid cavitation, a minimum pressure must be ensured on the inlet side of the pump.

The maximum suction lift H (m) is calculated as follows (see Drawing 2):
**H** = Pb × 10.2 − NPSH − Hf − Hv − Hs
**Pb** = Atmospheric pressure (can be set to 1 bar; in a closed system, Pb is the system pressure).
**NPSH** = Net positive suction head (can be read from the NPSH curve at the maximum possible flow rate of the pump).
**Hf** = Pipeline loss at the inlet.
**Hv** = Vaporization pressure of the liquid.
**Hs** = Safety margin = minimum 0.5 m.
If the calculated value of H is positive, the pump can be operated at the maximum suction lift H. If the calculated value of H is negative, an inlet pressure head of at least |H| is required. Make sure that the pump is not operating in a cavitation state.




On a variable speed pump the NPSH required falls with speed. The values read from the curves correspond to full speed (3500 rpm) and therefore represent the worst case for the installation.

Drawing 2

# 9. MXVF1

▸ Rated flow 1 m³/h ▸ Tabulated flow range 0.6–2 m³/h ▸ Head up to 346 m
▸ Motor rating 0.75–4 kW ▸ Connection PN25-40 / DN25 ▸ 24 models per material execution.

## 9.1 PRODUCT CODES

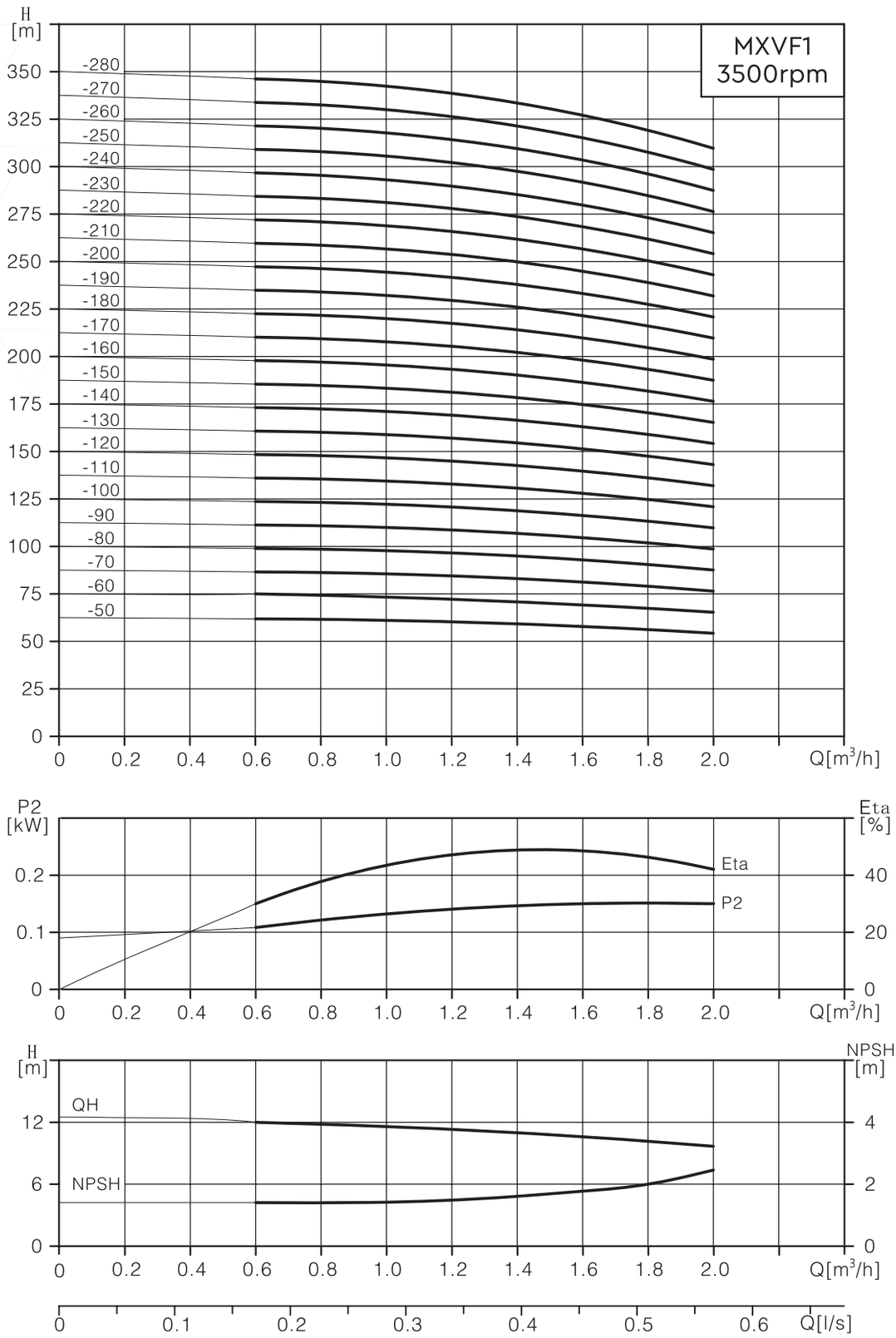
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF1-50** | 0.75 | MXV5001050S | MXV5001050N | MXV5001050D |
| **MXVF1-60** | 0.75 | MXV5001060S | MXV5001060N | MXV5001060D |
| **MXVF1-70** | 1.1 | MXV5001070S | MXV5001070N | MXV5001070D |
| **MXVF1-80** | 1.1 | MXV5001080S | MXV5001080N | MXV5001080D |
| **MXVF1-90** | 1.5 | MXV5001090S | MXV5001090N | MXV5001090D |
| **MXVF1-100** | 1.5 | MXV5001100S | MXV5001100N | MXV5001100D |
| **MXVF1-110** | 1.5 | MXV5001110S | MXV5001110N | MXV5001110D |
| **MXVF1-120** | 2.2 | MXV5001120S | MXV5001120N | MXV5001120D |
| **MXVF1-130** | 2.2 | MXV5001130S | MXV5001130N | MXV5001130D |
| **MXVF1-140** | 2.2 | MXV5001140S | MXV5001140N | MXV5001140D |
| **MXVF1-150** | 2.2 | MXV5001150S | MXV5001150N | MXV5001150D |
| **MXVF1-160** | 2.2 | MXV5001160S | MXV5001160N | MXV5001160D |
| **MXVF1-170** | 3 | MXV5001170S | MXV5001170N | MXV5001170D |
| **MXVF1-180** | 3 | MXV5001180S | MXV5001180N | MXV5001180D |
| **MXVF1-190** | 3 | MXV5001190S | MXV5001190N | MXV5001190D |
| **MXVF1-200** | 3 | MXV5001200S | MXV5001200N | MXV5001200D |
| **MXVF1-210** | 3 | MXV5001210S | MXV5001210N | MXV5001210D |
| **MXVF1-220** | 3 | MXV5001220S | MXV5001220N | MXV5001220D |
| **MXVF1-230** | 3 | MXV5001230S | MXV5001230N | MXV5001230D |
| **MXVF1-240** | 4 | MXV5001240S | MXV5001240N | MXV5001240D |
| **MXVF1-250** | 4 | MXV5001250S | MXV5001250N | MXV5001250D |
| **MXVF1-260** | 4 | MXV5001260S | MXV5001260N | MXV5001260D |
| **MXVF1-270** | 4 | MXV5001270S | MXV5001270N | MXV5001270D |
| **MXVF1-280** | 4 | MXV5001280S | MXV5001280N | MXV5001280D |

## 9.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 0.6 | 0.8 | 1 | 1.2 | 1.4 | 1.6 | 1.8 | 2 |
| **MXVF1-50** | 0.75 | | 62 | 61.5 | 60.8 | 59.5 | 59 | 58 | 56 | 54 |
| **MXVF1-60** | 0.75 | | 74 | 74 | 73 | 72 | 71 | 69 | 68 | 65 |
| **MXVF1-70** | 1.1 | | 87 | 86 | 85 | 84 | 83 | 81 | 79 | 77 |
| **MXVF1-80** | 1.1 | | 99 | 98.5 | 98 | 96 | 95 | 93 | 91 | 88 |
| **MXVF1-90** | 1.5 | | 111 | 110.5 | 110 | 108 | 107 | 104 | 102 | 99 |
| **MXVF1-100** | 1.5 | | 124 | 123 | 122 | 120 | 119 | 116 | 113 | 110 |
| **MXVF1-110** | 1.5 | | 136 | 135 | 134 | 132 | 131 | 128 | 125 | 121 |
| **MXVF1-120** | 2.2 | | 149 | 147 | 146 | 144 | 143 | 140 | 136 | 132 |
| **MXVF1-130** | 2.2 | | 161 | 160 | 158 | 156 | 155 | 151 | 148 | 143 |
| **MXVF1-140** | 2.2 | | 173 | 172 | 171 | 168 | 167 | 163 | 159 | 154 |
| **MXVF1-150** | 2.2 | | 186 | 184 | 183 | 180 | 179 | 175 | 170 | 166 |
| **MXVF1-160** | 2.2 | H(m) | 198 | 197 | 195 | 193 | 191 | 186 | 182 | 177 |
| **MXVF1-170** | 3 | | 210 | 209 | 207 | 205 | 203 | 198 | 193 | 188 |
| **MXVF1-180** | 3 | | 223 | 221 | 220 | 217 | 214 | 210 | 205 | 199 |
| **MXVF1-190** | 3 | | 235 | 234 | 232 | 229 | 226 | 222 | 216 | 210 |
| **MXVF1-200** | 3 | | 247 | 246 | 244 | 241 | 238 | 233 | 228 | 221 |
| **MXVF1-210** | 3 | | 260 | 258 | 256 | 253 | 250 | 245 | 239 | 232 |
| **MXVF1-220** | 3 | | 272 | 271 | 269 | 265 | 262 | 257 | 250 | 243 |
| **MXVF1-230** | 3 | | 284 | 283 | 281 | 277 | 274 | 268 | 262 | 254 |
| **MXVF1-240** | 4 | | 297 | 295 | 293 | 289 | 286 | 280 | 273 | 266 |
| **MXVF1-250** | 4 | | 309 | 308 | 305 | 301 | 298 | 292 | 285 | 277 |
| **MXVF1-260** | 4 | | 322 | 320 | 318 | 314 | 310 | 304 | 296 | 288 |
| **MXVF1-270** | 4 | | 334 | 332 | 330 | 326 | 322 | 315 | 308 | 299 |
| **MXVF1-280** | 4 | | 346 | 345 | 342 | 338 | 334 | 327 | 319 | 310 |

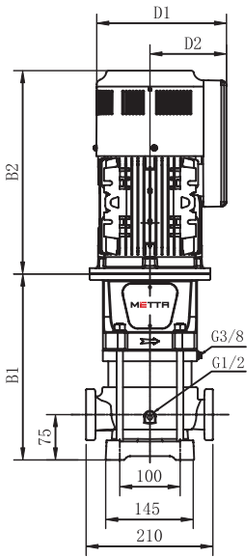
Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

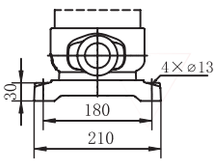
## 9.3 PERFORMANCE CURVE



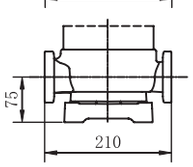
## 9.4 DIMENSIONS & WEIGHT

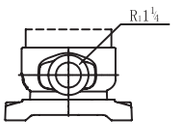
| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF1-50** | 326 | 400 | 726 | 210 | 133 | 27 |
| **MXVF1-60** | 344 | 400 | 744 | 210 | 133 | 28 |
| **MXVF1-70** | 362 | 400 | 762 | 210 | 133 | 29 |
| **MXVF1-80** | 380 | 400 | 780 | 210 | 133 | 30 |
| **MXVF1-90** | 408 | 400 | 808 | 210 | 133 | 32 |
| **MXVF1-100** | 426 | 400 | 826 | 210 | 133 | 33 |
| **MXVF1-110** | 444 | 400 | 844 | 210 | 133 | 34 |
| **MXVF1-120** | 462 | 400 | 862 | 210 | 133 | 36 |
| **MXVF1-130** | 480 | 400 | 880 | 210 | 133 | 37 |
| **MXVF1-140** | 498 | 400 | 898 | 210 | 133 | 38 |
| **MXVF1-150** | 516 | 400 | 916 | 210 | 133 | 38 |
| **MXVF1-160** | 534 | 400 | 934 | 210 | 133 | 39 |
| **MXVF1-170** | 562 | 400 | 962 | 210 | 133 | 44 |
| **MXVF1-180** | 580 | 400 | 980 | 210 | 133 | 45 |
| **MXVF1-190** | 598 | 400 | 998 | 210 | 133 | 46 |
| **MXVF1-200** | 616 | 400 | 1016 | 210 | 133 | 46 |
| **MXVF1-210** | 634 | 400 | 1034 | 210 | 133 | 47 |
| **MXVF1-220** | 652 | 400 | 1052 | 210 | 133 | 48 |
| **MXVF1-230** | 670 | 400 | 1070 | 210 | 133 | 48 |
| **MXVF1-240** | 688 | 420 | 1108 | 270 | 160 | 64 |
| **MXVF1-250** | 706 | 420 | 1126 | 270 | 160 | 65 |
| **MXVF1-260** | 724 | 420 | 1144 | 270 | 160 | 66 |
| **MXVF1-270** | 742 | 420 | 1162 | 270 | 160 | 66 |
| **MXVF1-280** | 760 | 420 | 1180 | 270 | 160 | 67 |



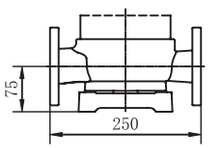



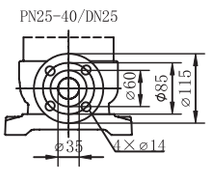

Clamp




Thread




Flange

Flange connection: PN25–40 / DN25. Weights refer to the standard flange execution.
Thread and Tri-Clamp connection versions are available on request.

# 10. MXVF3

▸ Rated flow 3 m³/h ▸ Tabulated flow range 1.5–5 m³/h ▸ Head up to 300 m
▸ Motor rating 0.75–5.5 kW ▸ Connection PN25-40 / DN25 ▸ 23 models per material execution

## 10.1 PRODUCT CODES

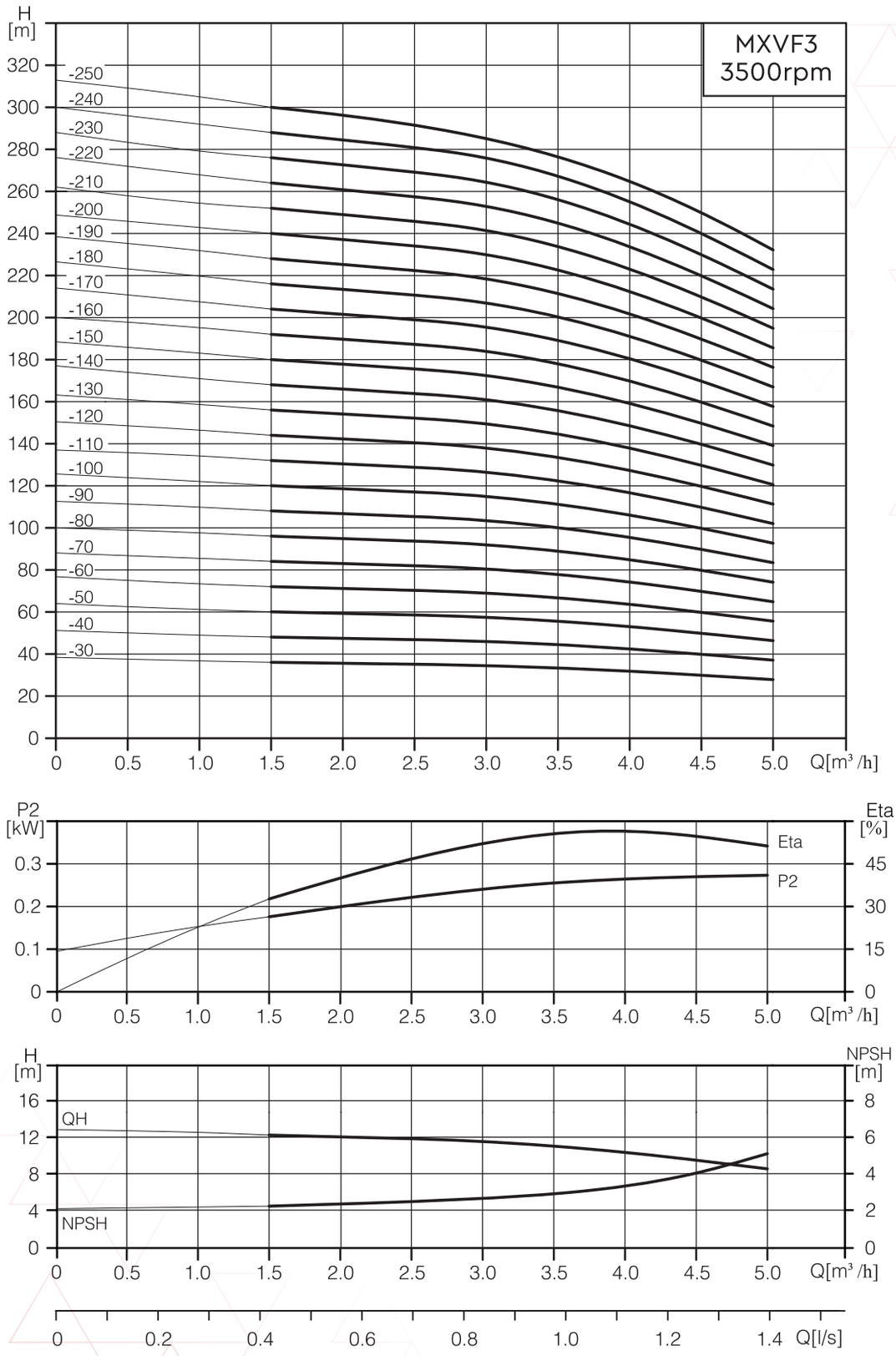
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF3-30** | 0.75 | MXV5003030S | MXV5003030N | MXV5003030D |
| **MXVF3-40** | 1.1 | MXV5003040S | MXV5003040N | MXV5003040D |
| **MXVF3-50** | 1.1 | MXV5003050S | MXV5003050N | MXV5003050D |
| **MXVF3-60** | 1.5 | MXV5003060S | MXV5003060N | MXV5003060D |
| **MXVF3-70** | 1.5 | MXV5003070S | MXV5003070N | MXV5003070D |
| **MXVF3-80** | 2.2 | MXV5003080S | MXV5003080N | MXV5003080D |
| **MXVF3-90** | 2.2 | MXV5003090S | MXV5003090N | MXV5003090D |
| **MXVF3-100** | 2.2 | MXV5003100S | MXV5003100N | MXV5003100D |
| **MXVF3-110** | 2.2 | MXV5003110S | MXV5003110N | MXV5003110D |
| **MXVF3-120** | 3 | MXV5003120S | MXV5003120N | MXV5003120D |
| **MXVF3-130** | 3 | MXV5003130S | MXV5003130N | MXV5003130D |
| **MXVF3-140** | 3 | MXV5003140S | MXV5003140N | MXV5003140D |
| **MXVF3-150** | 3 | MXV5003150S | MXV5003150N | MXV5003150D |
| **MXVF3-160** | 4 | MXV5003160S | MXV5003160N | MXV5003160D |
| **MXVF3-170** | 4 | MXV5003170S | MXV5003170N | MXV5003170D |
| **MXVF3-180** | 4 | MXV5003180S | MXV5003180N | MXV5003180D |
| **MXVF3-190** | 4 | MXV5003190S | MXV5003190N | MXV5003190D |
| **MXVF3-200** | 5.5 | MXV5003200S | MXV5003200N | MXV5003200D |
| **MXVF3-210** | 5.5 | MXV5003210S | MXV5003210N | MXV5003210D |
| **MXVF3-220** | 5.5 | MXV5003220S | MXV5003220N | MXV5003220D |
| **MXVF3-230** | 5.5 | MXV5003230S | MXV5003230N | MXV5003230D |
| **MXVF3-240** | 5.5 | MXV5003240S | MXV5003240N | MXV5003240D |
| **MXVF3-250** | 5.5 | MXV5003250S | MXV5003250N | MXV5003250D |

## 10.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 |
| **MXVF3-30** | 0.75 | | 37 | 36 | 35 | 34 | 33 | 32 | 30 | 28 |
| **MXVF3-40** | 1.1 | | 49 | 48 | 47 | 46 | 44 | 42 | 40 | 37 |
| **MXVF3-50** | 1.1 | | 61 | 59 | 59 | 57 | 55 | 53 | 50 | 46 |
| **MXVF3-60** | 1.5 | | 73 | 71 | 70 | 69 | 66 | 63 | 60 | 56 |
| **MXVF3-70** | 1.5 | | 85 | 83 | 82 | 80 | 77 | 74 | 70 | 65 |
| **MXVF3-80** | 2.2 | | 97 | 95 | 94 | 91 | 88 | 85 | 80 | 74 |
| **MXVF3-90** | 2.2 | | 109 | 107 | 105 | 103 | 99 | 95 | 90 | 84 |
| **MXVF3-100** | 2.2 | | 121 | 119 | 117 | 114 | 110 | 106 | 100 | 93 |
| **MXVF3-110** | 2.2 | | 133 | 130 | 129 | 126 | 121 | 116 | 110 | 102 |
| **MXVF3-120** | 3 | | 145 | 142 | 140 | 137 | 132 | 127 | 120 | 112 |
| **MXVF3-130** | 3 | | 157 | 154 | 152 | 148 | 143 | 138 | 130 | 121 |
| **MXVF3-140** | 3 | H(m) | 169 | 166 | 164 | 160 | 155 | 148 | 140 | 130 |
| **MXVF3-150** | 3 | | 181 | 178 | 175 | 171 | 166 | 159 | 150 | 139 |
| **MXVF3-160** | 4 | | 193 | 190 | 187 | 182 | 177 | 170 | 160 | 149 |
| **MXVF3-170** | 4 | | 205 | 201 | 199 | 194 | 188 | 180 | 170 | 158 |
| **MXVF3-180** | 4 | | 217 | 213 | 210 | 205 | 199 | 191 | 180 | 167 |
| **MXVF3-190** | 4 | | 229 | 225 | 222 | 217 | 210 | 201 | 190 | 177 |
| **MXVF3-200** | 5.5 | | 241 | 237 | 234 | 228 | 221 | 212 | 200 | 186 |
| **MXVF3-210** | 5.5 | | 253 | 249 | 245 | 239 | 232 | 223 | 210 | 195 |
| **MXVF3-220** | 5.5 | | 265 | 261 | 257 | 251 | 243 | 233 | 220 | 205 |
| **MXVF3-230** | 5.5 | | 277 | 272 | 269 | 262 | 254 | 244 | 230 | 214 |
| **MXVF3-240** | 5.5 | | 289 | 284 | 280 | 274 | 265 | 254 | 240 | 223 |
| **MXVF3-250** | 5.5 | | 300 | 296 | 292 | 285 | 276 | 265 | 250 | 233 |

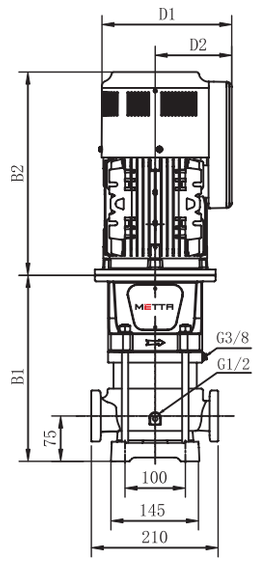
Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

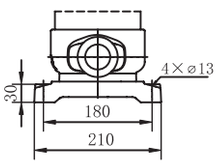
## 10.3 PERFORMANCE CURVE



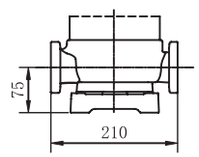
## 10.4 DIMENSIONS & WEIGHT

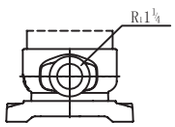
| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| MXVF3-30 | 290 | 400 | 690 | 210 | 133 | 26 |
| MXVF3-40 | 308 | 400 | 708 | 210 | 133 | 28 |
| MXVF3-50 | 326 | 400 | 726 | 210 | 133 | 28 |
| MXVF3-60 | 354 | 400 | 754 | 210 | 133 | 31 |
| MXVF3-70 | 372 | 400 | 772 | 210 | 133 | 32 |
| MXVF3-80 | 390 | 400 | 790 | 210 | 133 | 35 |
| MXVF3-90 | 408 | 400 | 808 | 210 | 133 | 35 |
| MXVF3-100 | 426 | 400 | 826 | 210 | 133 | 36 |
| MXVF3-110 | 444 | 400 | 844 | 210 | 133 | 37 |
| MXVF3-120 | 472 | 400 | 872 | 210 | 133 | 42 |
| MXVF3-130 | 490 | 400 | 890 | 210 | 133 | 42 |
| MXVF3-140 | 508 | 400 | 908 | 210 | 133 | 43 |
| MXVF3-150 | 526 | 400 | 926 | 210 | 133 | 44 |
| MXVF3-160 | 544 | 420 | 964 | 270 | 160 | 60 |
| MXVF3-170 | 562 | 420 | 982 | 270 | 160 | 60 |
| MXVF3-180 | 580 | 420 | 1000 | 270 | 160 | 61 |
| MXVF3-190 | 598 | 420 | 1018 | 270 | 160 | 62 |
| MXVF3-200 | 636 | 420 | 1056 | 270 | 160 | 65 |
| MXVF3-210 | 654 | 420 | 1074 | 270 | 160 | 66 |
| MXVF3-220 | 672 | 420 | 1092 | 270 | 160 | 67 |
| MXVF3-230 | 690 | 420 | 1110 | 270 | 160 | 67 |
| MXVF3-240 | 708 | 420 | 1128 | 270 | 160 | 68 |
| MXVF3-250 | 726 | 420 | 1146 | 270 | 160 | 69 |



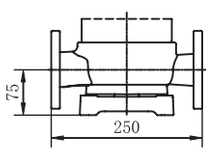



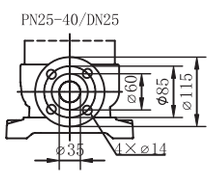

Clamp




Thread




Flange

Flange connection: PN25–40 / DN25. Weights refer to the standard flange execution.
Thread and Tri-Clamp connection versions are available on request.

# 11. MXVF5

▸ Rated flow 5 m³/h ▸ Tabulated flow range 3–8.5 m³/h ▸ Head up to 252 m
▸ Motor rating 0.75–7.5 kW ▸ Connection PN25-40 / DN32 ▸ 19 models per material execution.

## 11.1 PRODUCT CODES

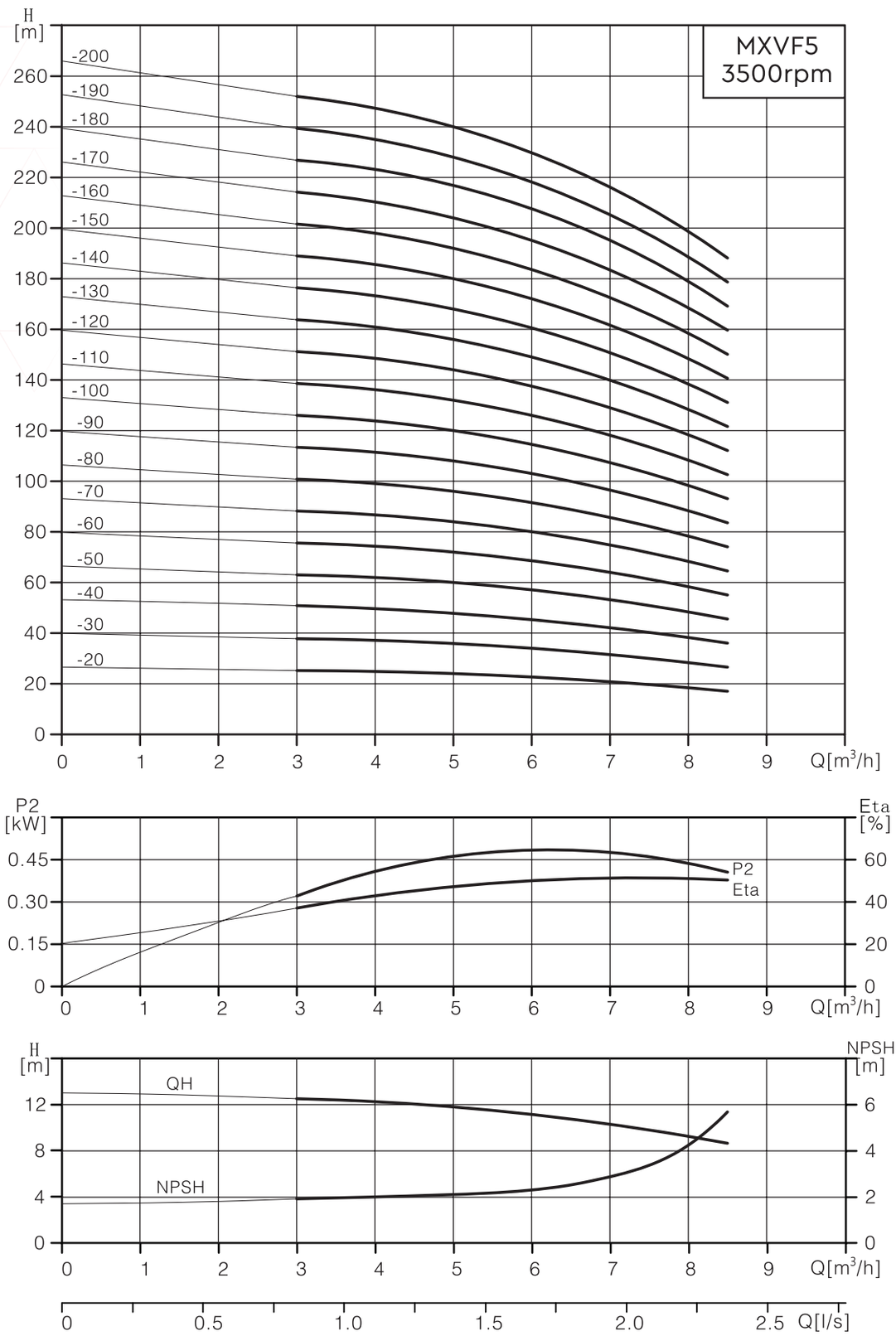
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF5-20** | 0.75 | MXV5005020S | MXV5005020N | MXV5005020D |
| **MXVF5-30** | 1.1 | MXV5005030S | MXV5005030N | MXV5005030D |
| **MXVF5-40** | 1.5 | MXV5005040S | MXV5005040N | MXV5005040D |
| **MXVF5-50** | 2.2 | MXV5005050S | MXV5005050N | MXV5005050D |
| **MXVF5-60** | 2.2 | MXV5005060S | MXV5005060N | MXV5005060D |
| **MXVF5-70** | 3 | MXV5005070S | MXV5005070N | MXV5005070D |
| **MXVF5-80** | 3 | MXV5005080S | MXV5005080N | MXV5005080D |
| **MXVF5-90** | 3 | MXV5005090S | MXV5005090N | MXV5005090D |
| **MXVF5-100** | 4 | MXV5005100S | MXV5005100N | MXV5005100D |
| **MXVF5-110** | 4 | MXV5005110S | MXV5005110N | MXV5005110D |
| **MXVF5-120** | 5.5 | MXV5005120S | MXV5005120N | MXV5005120D |
| **MXVF5-130** | 5.5 | MXV5005130S | MXV5005130N | MXV5005130D |
| **MXVF5-140** | 5.5 | MXV5005140S | MXV5005140N | MXV5005140D |
| **MXVF5-150** | 5.5 | MXV5005150S | MXV5005150N | MXV5005150D |
| **MXVF5-160** | 7.5 | MXV5005160S | MXV5005160N | MXV5005160D |
| **MXVF5-170** | 7.5 | MXV5005170S | MXV5005170N | MXV5005170D |
| **MXVF5-180** | 7.5 | MXV5005180S | MXV5005180N | MXV5005180D |
| **MXVF5-190** | 7.5 | MXV5005190S | MXV5005190N | MXV5005190D |
| **MXVF5-200** | 7.5 | MXV5005200S | MXV5005200N | MXV5005200D |

## 11.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 3 | 4 | 5 | 6 | 7 | 8.5 |
| **MXVF5-20** | 0.75 | | 25 | 24.5 | 24 | 22.5 | 20.5 | 17 |
| **MXVF5-30** | 1.1 | | 38 | 37 | 36 | 34 | 31 | 27 |
| **MXVF5-40** | 1.5 | | 50 | 49 | 48 | 46 | 42 | 36 |
| **MXVF5-50** | 2.2 | | 63 | 62 | 60 | 57 | 53 | 46 |
| **MXVF5-60** | 2.2 | | 76 | 74 | 72 | 69 | 64 | 55 |
| **MXVF5-70** | 3 | | 88 | 86 | 84 | 80 | 75 | 65 |
| **MXVF5-80** | 3 | | 101 | 99 | 96 | 92 | 86 | 74 |
| **MXVF5-90** | 3 | | 113 | 111 | 108 | 103 | 97 | 84 |
| **MXVF5-100** | 4 | | 126 | 124 | 120 | 115 | 107 | 93 |
| **MXVF5-110** | 4 | H(m) | 139 | 136 | 132 | 126 | 118 | 103 |
| **MXVF5-120** | 5.5 | | 151 | 148 | 144 | 138 | 129 | 112 |
| **MXVF5-130** | 5.5 | | 164 | 161 | 156 | 149 | 140 | 122 |
| **MXVF5-140** | 5.5 | | 176 | 173 | 168 | 161 | 151 | 131 |
| **MXVF5-150** | 5.5 | | 189 | 185 | 180 | 172 | 162 | 141 |
| **MXVF5-160** | 7.5 | | 202 | 198 | 192 | 184 | 173 | 150 |
| **MXVF5-170** | 7.5 | | 214 | 210 | 204 | 195 | 183 | 160 |
| **MXVF5-180** | 7.5 | | 227 | 222 | 216 | 207 | 194 | 169 |
| **MXVF5-190** | 7.5 | | 239 | 235 | 228 | 218 | 205 | 179 |
| **MXVF5-200** | 7.5 | | 252 | 247 | 240 | 230 | 216 | 188 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

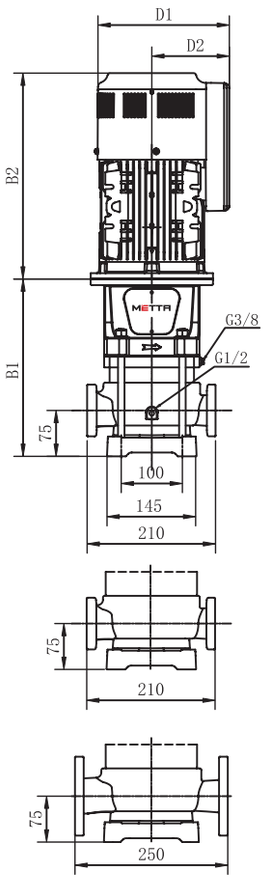
## 11.3 PERFORMANCE CURVE

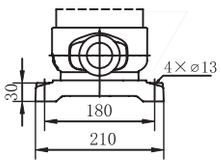


## 11.4 DIMENSIONS & WEIGHT

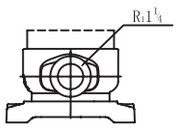
| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF5-20** | 290 | 400 | 690 | 210 | 133 | 25 |
| **MXVF5-30** | 317 | 400 | 717 | 210 | 133 | 27 |
| **MXVF5-40** | 354 | 400 | 754 | 210 | 133 | 29 |
| **MXVF5-50** | 381 | 400 | 781 | 210 | 133 | 32 |
| **MXVF5-60** | 408 | 400 | 808 | 210 | 133 | 32 |
| **MXVF5-70** | 445 | 400 | 845 | 210 | 133 | 38 |
| **MXVF5-80** | 472 | 400 | 872 | 210 | 133 | 38 |
| **MXVF5-90** | 499 | 400 | 899 | 210 | 133 | 39 |
| **MXVF5-100** | 526 | 420 | 946 | 270 | 160 | 55 |
| **MXVF5-110** | 553 | 420 | 973 | 270 | 160 | 55 |
| **MXVF5-120** | 600 | 420 | 1020 | 270 | 160 | 60 |
| **MXVF5-130** | 627 | 420 | 1047 | 270 | 160 | 61 |
| **MXVF5-140** | 654 | 420 | 1074 | 270 | 160 | 62 |
| **MXVF5-150** | 681 | 420 | 1101 | 270 | 160 | 62 |
| **MXVF5-160** | 708 | 420 | 1128 | 270 | 160 | 66 |
| **MXVF5-170** | 735 | 420 | 1155 | 270 | 160 | 67 |
| **MXVF5-180** | 762 | 420 | 1182 | 270 | 160 | 67 |
| **MXVF5-190** | 789 | 420 | 1209 | 270 | 160 | 68 |
| **MXVF5-200** | 816 | 420 | 1236 | 270 | 160 | 69 |

Flange connection: PN25-40 / DN32. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.

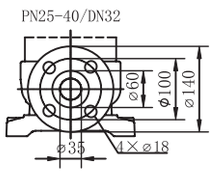



Clamp




Thread




Flange

# 12. MXVF10

▸ Rated flow 10 m³/h ▸ Tabulated flow range 7–16 m³/h ▸ Head up to 317 m
▸ Motor rating 2.2–15 kW ▸ Connection PN25-40 / DN40 ▸ 15 models per material execution.

## 12.1 PRODUCT CODES

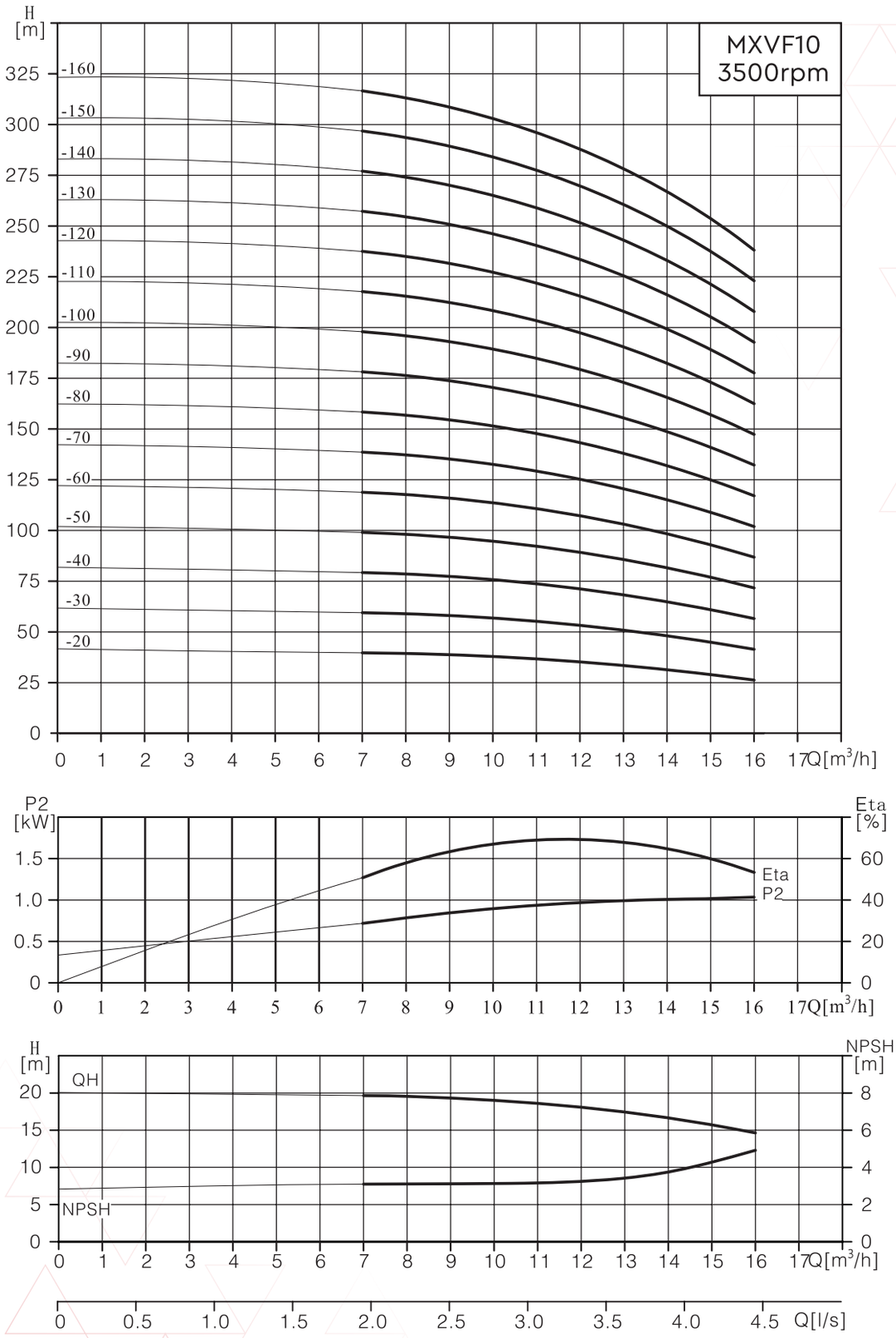
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF10-20** | 2.2 | MXV5010020S | MXV5010020N | MXV5010020D |
| **MXVF10-30** | 3 | MXV5010030S | MXV5010030N | MXV5010030D |
| **MXVF10-40** | 4 | MXV5010040S | MXV5010040N | MXV5010040D |
| **MXVF10-50** | 5.5 | MXV5010050S | MXV5010050N | MXV5010050D |
| **MXVF10-60** | 5.5 | MXV5010060S | MXV5010060N | MXV5010060D |
| **MXVF10-70** | 7.5 | MXV5010070S | MXV5010070N | MXV5010070D |
| **MXVF10-80** | 7.5 | MXV5010080S | MXV5010080N | MXV5010080D |
| **MXVF10-90** | 11 | MXV5010090S | MXV5010090N | MXV5010090D |
| **MXVF10-100** | 11 | MXV5010100S | MXV5010100N | MXV5010100D |
| **MXVF10-110** | 11 | MXV5010110S | MXV5010110N | MXV5010110D |
| **MXVF10-120** | 11 | MXV5010120S | MXV5010120N | MXV5010120D |
| **MXVF10-130** | 15 | MXV5010130S | MXV5010130N | MXV5010130D |
| **MXVF10-140** | 15 | MXV5010140S | MXV5010140N | MXV5010140D |
| **MXVF10-150** | 15 | MXV5010150S | MXV5010150N | MXV5010150D |
| **MXVF10-160** | 15 | MXV5010160S | MXV5010160N | MXV5010160D |

## 12.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **MXVF10-20** | 2.2 | | 40 | 39 | 38 | 37 | 36.5 | 35 | 33.5 | 31 | 29 | 26.5 |
| **MXVF10-30** | 3 | | 60 | 59 | 57 | 56 | 55 | 53 | 51 | 48 | 45 | 42 |
| **MXVF10-40** | 4 | | 80 | 78 | 77 | 75 | 74 | 71 | 68 | 65 | 61 | 57 |
| **MXVF10-50** | 5.5 | | 99 | 98 | 96 | 94 | 92 | 89 | 86 | 82 | 77 | 72 |
| **MXVF10-60** | 5.5 | | 119 | 117 | 115 | 113 | 111 | 107 | 103 | 98 | 93 | 87 |
| **MXVF10-70** | 7.5 | | 139 | 137 | 134 | 132 | 129 | 125 | 121 | 115 | 109 | 102 |
| **MXVF10-80** | 7.5 | | 159 | 156 | 154 | 151 | 148 | 143 | 138 | 132 | 125 | 117 |
| **MXVF10-90** | 11 | H(m) | 179 | 176 | 173 | 170 | 166 | 161 | 156 | 149 | 141 | 132 |
| **MXVF10-100** | 11 | | 198 | 196 | 192 | 189 | 185 | 179 | 173 | 166 | 158 | 147 |
| **MXVF10-110** | 11 | | 218 | 215 | 212 | 208 | 203 | 197 | 191 | 183 | 174 | 162 |
| **MXVF10-120** | 11 | | 238 | 235 | 231 | 227 | 222 | 215 | 208 | 200 | 190 | 177 |
| **MXVF10-130** | 15 | | 258 | 254 | 250 | 246 | 240 | 233 | 226 | 216 | 206 | 192 |
| **MXVF10-140** | 15 | | 277 | 274 | 269 | 265 | 259 | 251 | 243 | 233 | 222 | 207 |
| **MXVF10-150** | 15 | | 297 | 294 | 289 | 284 | 278 | 269 | 261 | 250 | 238 | 222 |
| **MXVF10-160** | 15 | | 317 | 313 | 308 | 303 | 296 | 287 | 278 | 267 | 254 | 237 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

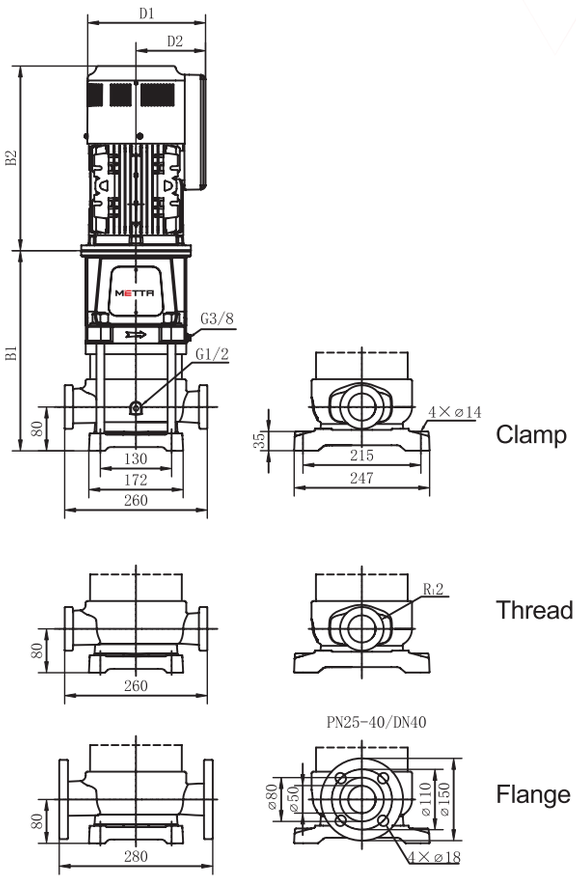
## 15.3 PERFORMANCE CURVE



## 12.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| MXVF10-20 | 365 | 400 | 765 | 210 | 133 | 35 |
| MXVF10-30 | 405 | 400 | 805 | 210 | 133 | 40 |
| MXVF10-40 | 435 | 420 | 855 | 270 | 160 | 56 |
| MXVF10-50 | 485 | 420 | 905 | 270 | 160 | 62 |
| MXVF10-60 | 515 | 420 | 935 | 270 | 160 | 63 |
| MXVF10-70 | 545 | 420 | 965 | 270 | 160 | 67 |
| MXVF10-80 | 575 | 420 | 995 | 270 | 160 | 68 |
| MXVF10-90 | 693 | 520 | 1213 | 320 | 190 | 86 |
| MXVF10-100 | 723 | 520 | 1243 | 320 | 190 | 87 |
| MXVF10-110 | 753 | 520 | 1273 | 320 | 190 | 88 |
| MXVF10-120 | 783 | 520 | 1303 | 320 | 190 | 90 |
| MXVF10-130 | 813 | 520 | 1333 | 320 | 190 | 96 |
| MXVF10-140 | 843 | 520 | 1363 | 320 | 190 | 97 |
| MXVF10-150 | 873 | 520 | 1393 | 320 | 190 | 98 |
| MXVF10-160 | 903 | 520 | 1423 | 320 | 190 | 99 |

Flange connection: PN25-40 / DN40. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.



# 13. MXVF12

- Rated flow 12 m³/h
- Tabulated flow range 7–19 m³/h · head up to 237 m
- Motor rating 3–15 kW
- Connection PN25-40 / DN40
- 9 models per material execution.

## 13.1 PRODUCT CODES

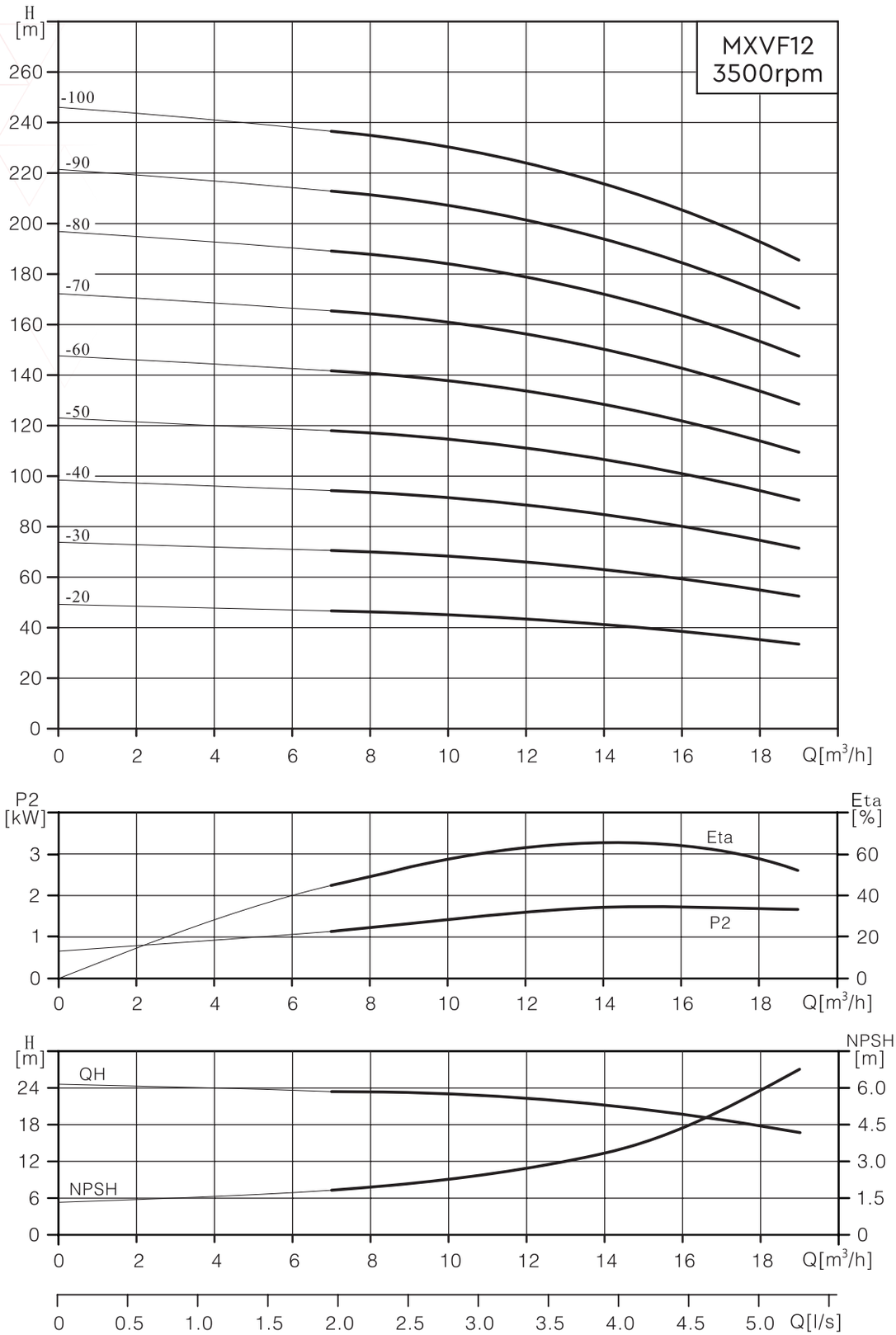
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF12-20** | 3 | MXV5012020S | MXV5012020N | MXV5012020D |
| **MXVF12-30** | 5.5 | MXV5012030S | MXV5012030N | MXV5012030D |
| **MXVF12-40** | 7.5 | MXV5012040S | MXV5012040N | MXV5012040D |
| **MXVF12-50** | 7.5 | MXV5012050S | MXV5012050N | MXV5012050D |
| **MXVF12-60** | 11 | MXV5012060S | MXV5012060N | MXV5012060D |
| **MXVF12-70** | 11 | MXV5012070S | MXV5012070N | MXV5012070D |
| **MXVF12-80** | 15 | MXV5012080S | MXV5012080N | MXV5012080D |
| **MXVF12-90** | 15 | MXV5012090S | MXV5012090N | MXV5012090D |
| **MXVF12-100** | 15 | MXV5012100S | MXV5012100N | MXV5012100D |

## 13.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 7 | 9 | 11 | 12 | 13 | 15 | 17 | 19 |
| **MXVF12-20** | 3 | H(m) | 47 | 46 | 44.5 | 43 | 42.5 | 40 | 37 | 33 |
| **MXVF12-30** | 5.5 | | 71 | 69.5 | 67 | 66 | 65 | 61 | 57 | 52 |
| **MXVF12-40** | 7.5 | | 94 | 92 | 90 | 88 | 87 | 83 | 78 | 71 |
| **MXVF12-50** | 7.5 | | 118 | 116 | 113 | 111 | 109 | 104 | 98 | 90 |
| **MXVF12-60** | 11 | | 142 | 140 | 136 | 133 | 131 | 125 | 118 | 109 |
| **MXVF12-70** | 11 | | 166 | 163 | 159 | 156 | 154 | 147 | 139 | 128 |
| **MXVF12-80** | 15 | | 190 | 186.5 | 181 | 178.5 | 176 | 168 | 159 | 147 |
| **MXVF12-90** | 15 | | 213 | 210 | 204 | 201 | 198 | 189 | 179 | 166 |
| **MXVF12-100** | 15 | | 237 | 233 | 227 | 224 | 220 | 210 | 199 | 185 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

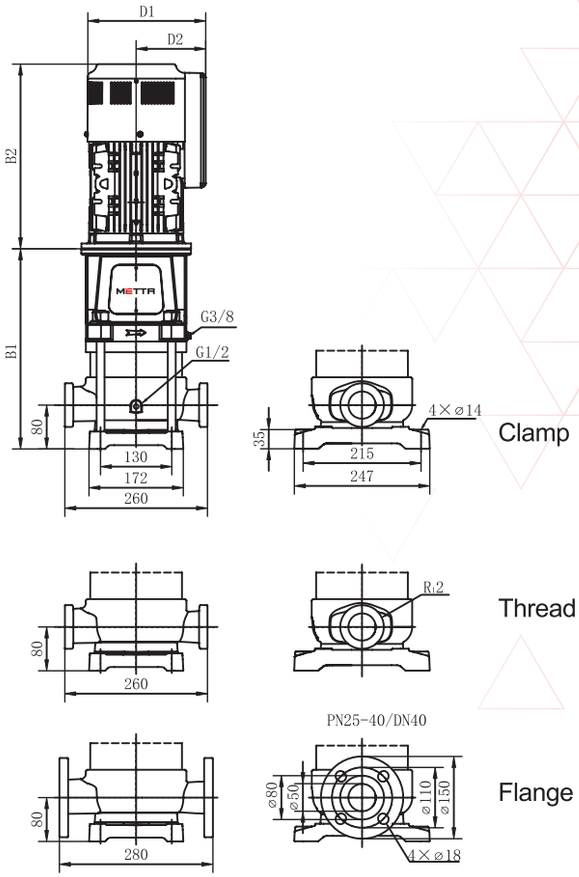
## 13.3 PERFORMANCE CURVE



## 13.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF12-20** | 375 | 400 | 775 | 210 | 133 | 40 |
| **MXVF12-30** | 425 | 420 | 845 | 270 | 160 | 61 |
| **MXVF12-40** | 455 | 420 | 875 | 270 | 160 | 65 |
| **MXVF12-50** | 485 | 420 | 905 | 270 | 160 | 66 |
| **MXVF12-60** | 603 | 520 | 1123 | 320 | 190 | 84 |
| **MXVF12-70** | 633 | 520 | 1153 | 320 | 190 | 85 |
| **MXVF12-80** | 663 | 520 | 1183 | 320 | 190 | 91 |
| **MXVF12-90** | 693 | 520 | 1213 | 320 | 190 | 92 |
| **MXVF12-100** | 723 | 520 | 1243 | 320 | 190 | 93 |

Flange connection: PN25-40 / DN40. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.



# 14. MXVF15

▸ Rated flow 15 m³/h ▸ Tabulated flow range 10–26 m³/h ▸ Head up to 244 m
▸ Motor rating 2.2–18.5 kW ▸ Connection PN25-40 / DN40 ▸ 10 models per material execution.

## 14.1 PRODUCT CODES

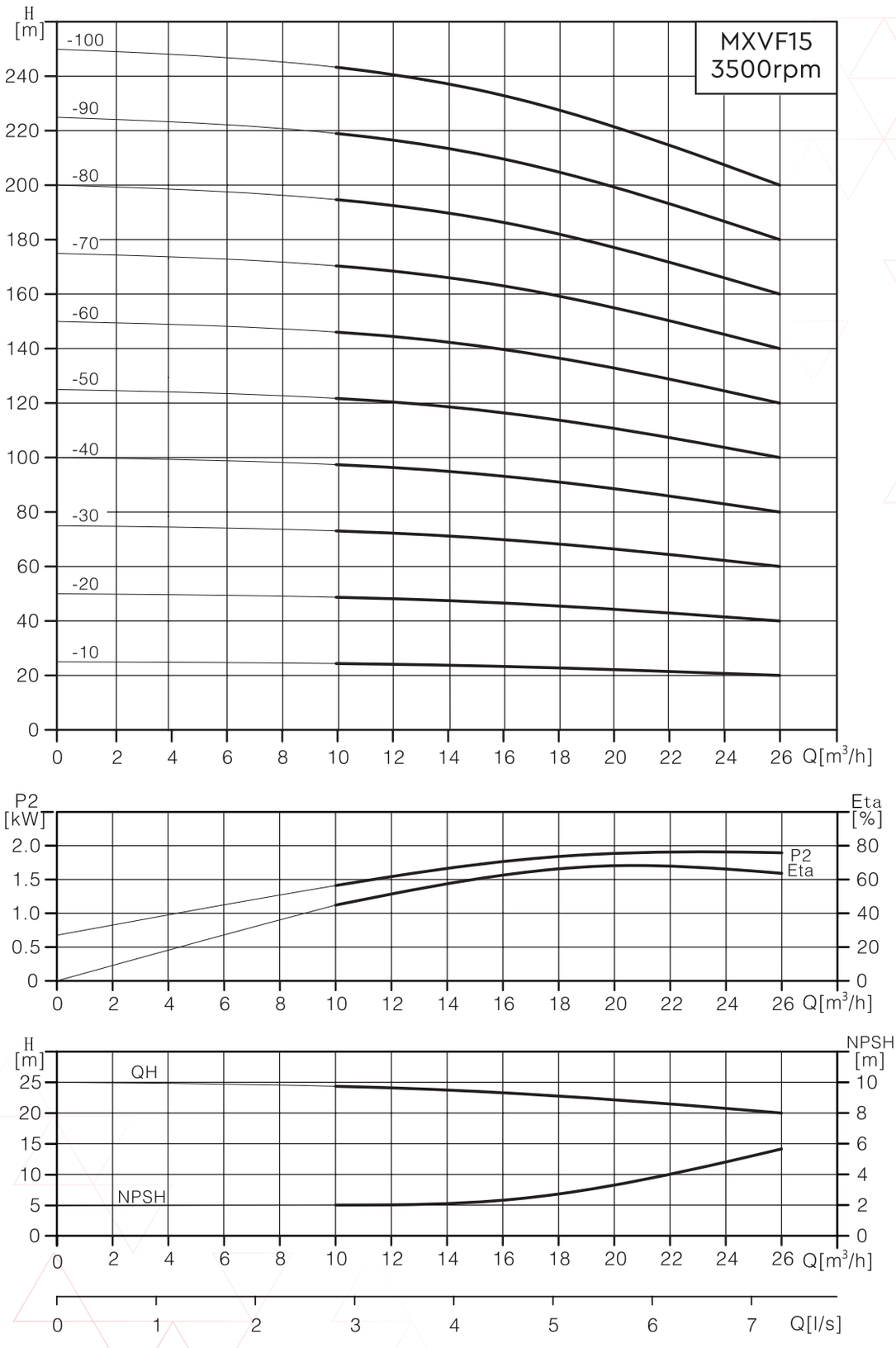
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF15-10** | 2.2 | MXV5015010S | MXV5015010N | MXV5015010D |
| **MXVF15-20** | 4 | MXV5015020S | MXV5015020N | MXV5015020D |
| **MXVF15-30** | 5.5 | MXV5015030S | MXV5015030N | MXV5015030D |
| **MXVF15-40** | 7.5 | MXV5015040S | MXV5015040N | MXV5015040D |
| **MXVF15-50** | 11 | MXV5015050S | MXV5015050N | MXV5015050D |
| **MXVF15-60** | 11 | MXV5015060S | MXV5015060N | MXV5015060D |
| **MXVF15-70** | 15 | MXV5015070S | MXV5015070N | MXV5015070D |
| **MXVF15-80** | 15 | MXV5015080S | MXV5015080N | MXV5015080D |
| **MXVF15-90** | 18.5 | MXV5015090S | MXV5015090N | MXV5015090D |
| **MXVF15-100** | 18.5 | MXV5015100S | MXV5015100N | MXV5015100D |

## 14.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 |
| **MXVF15-10** | 2.2 | H(m) | 24.5 | 24 | 23.5 | 23 | 22.5 | 22 | 21 | 20.5 | 20 |
| **MXVF15-20** | 4 | | 49 | 48 | 47 | 46.5 | 46 | 44 | 43 | 42 | 40 |
| **MXVF15-30** | 5.5 | | 73 | 72 | 71 | 70 | 68 | 66 | 64 | 62 | 60 |
| **MXVF15-40** | 7.5 | | 98 | 96 | 95 | 93 | 91 | 89 | 86 | 83 | 80 |
| **MXVF15-50** | 11 | | 122 | 120 | 119 | 117 | 114 | 111 | 107 | 104 | 100 |
| **MXVF15-60** | 11 | | 146 | 145 | 142 | 140 | 137 | 133 | 129 | 125 | 120 |
| **MXVF15-70** | 15 | | 171 | 169 | 166 | 163 | 159 | 155 | 150 | 145 | 140 |
| **MXVF15-80** | 15 | | 195 | 193 | 190 | 186 | 182 | 177 | 172 | 166 | 160 |
| **MXVF15-90** | 18.5 | | 220 | 217 | 214 | 210 | 205 | 199 | 193 | 187 | 180 |
| **MXVF15-100** | 18.5 | | 244 | 241 | 237 | 233 | 228 | 222 | 215 | 208 | 200 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

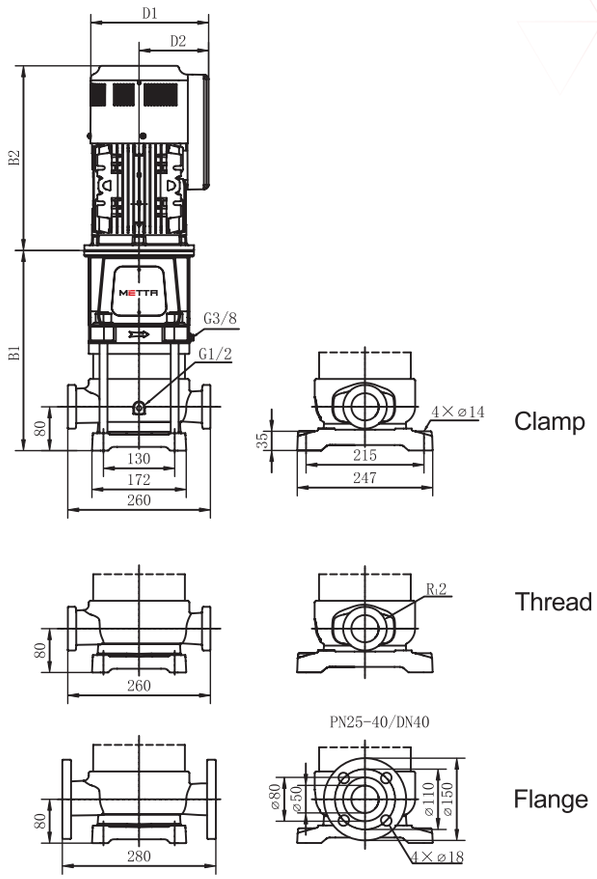
## 14.3 PERFORMANCE CURVE



## 14.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF15-10** | 356 | 400 | 756 | 210 | 133 | 34 |
| **MXVF15-20** | 411 | 420 | 831 | 270 | 160 | 56 |
| **MXVF15-30** | 476 | 420 | 896 | 270 | 160 | 61 |
| **MXVF15-40** | 521 | 420 | 941 | 270 | 160 | 65 |
| **MXVF15-50** | 654 | 520 | 1174 | 320 | 190 | 83 |
| **MXVF15-60** | 699 | 520 | 1219 | 320 | 190 | 84 |
| **MXVF15-70** | 744 | 520 | 1264 | 320 | 190 | 90 |
| **MXVF15-80** | 789 | 520 | 1309 | 320 | 190 | 91 |
| **MXVF15-90** | 834 | 520 | 1354 | 320 | 190 | 102 |
| **MXVF15-100** | 879 | 520 | 1399 | 320 | 190 | 103 |

Flange connection: PN25-40 / DN40. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.



# 15. MXVF16

▸ Rated flow 16 m³/h ▸ Tabulated flow range 10–26 m³/h ▸ Head up to 198 m
▸ Motor rating 2.2–18.5 kW ▸ Connection PN25-40 / DN40 ▸ 8 models per material execution.

## 15.1 PRODUCT CODES

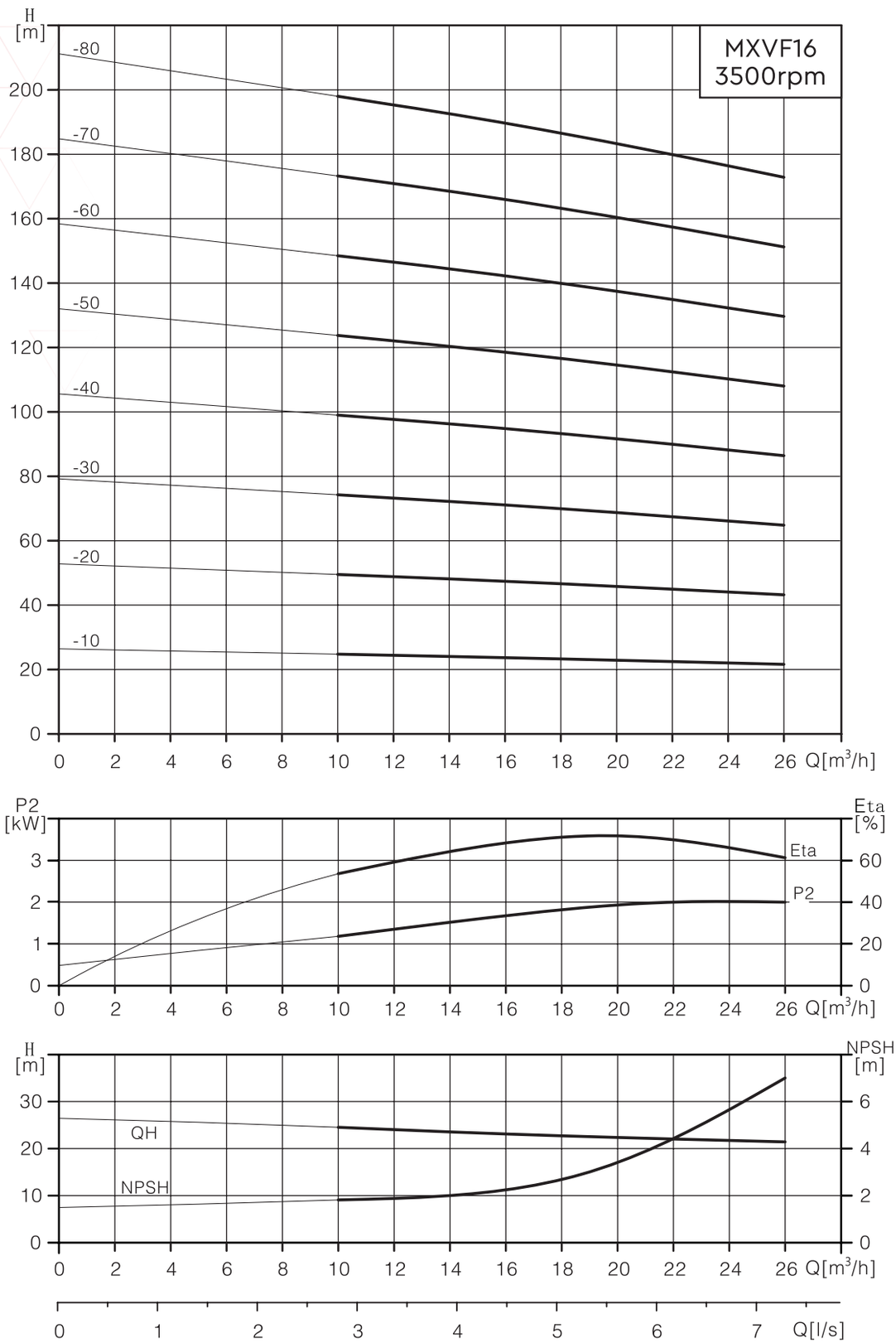
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF16-10** | 2.2 | MXV5016010S | MXV5016010N | MXV5016010D |
| **MXVF16-20** | 4 | MXV5016020S | MXV5016020N | MXV5016020D |
| **MXVF16-30** | 7.5 | MXV5016030S | MXV5016030N | MXV5016030D |
| **MXVF16-40** | 11 | MXV5016040S | MXV5016040N | MXV5016040D |
| **MXVF16-50** | 11 | MXV5016050S | MXV5016050N | MXV5016050D |
| **MXVF16-60** | 15 | MXV5016060S | MXV5016060N | MXV5016060D |
| **MXVF16-70** | 15 | MXV5016070S | MXV5016070N | MXV5016070D |
| **MXVF16-80** | 18.5 | MXV5016080S | MXV5016080N | MXV5016080D |

## 15.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 |
| **MXVF16-10** | 2.2 | H(m) | 25 | 24.5 | 24.2 | 23.7 | 23.3 | 23 | 22.5 | 22 | 21.5 |
| **MXVF16-20** | 4 | | 50 | 49 | 48.5 | 47.4 | 46.6 | 46 | 45 | 44 | 43 |
| **MXVF16-30** | 7.5 | | 74.3 | 73.5 | 73 | 71 | 70 | 69 | 68 | 66 | 65 |
| **MXVF16-40** | 11 | | 99 | 98 | 97 | 95 | 93 | 92 | 91 | 89 | 86 |
| **MXVF16-50** | 11 | | 124 | 123 | 121 | 119 | 117 | 115 | 113 | 111 | 108 |
| **MXVF16-60** | 15 | | 149 | 147 | 146 | 142 | 140 | 137 | 136 | 133 | 130 |
| **MXVF16-70** | 15 | | 173 | 172 | 170 | 166 | 163 | 160 | 159 | 155 | 151 |
| **MXVF16-80** | 18.5 | | 198 | 196 | 194 | 190 | 186 | 183 | 181 | 177 | 173 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

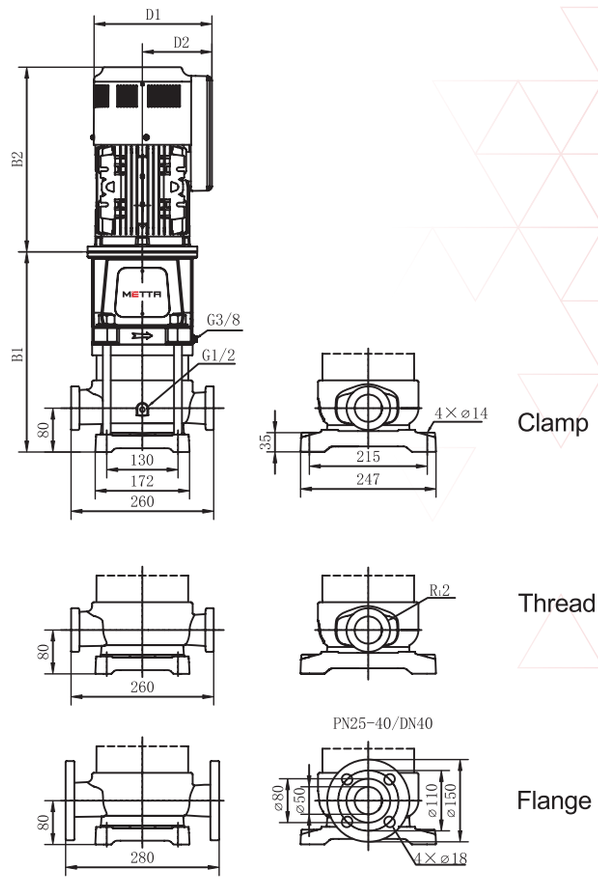
## 15.3 PERFORMANCE CURVE



## 15.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF16-10** | 356 | 400 | 756 | 210 | 133 | 34 |
| **MXVF16-20** | 411 | 420 | 831 | 270 | 160 | 56 |
| **MXVF16-30** | 476 | 420 | 896 | 270 | 160 | 65 |
| **MXVF16-40** | 609 | 520 | 1129 | 320 | 190 | 81 |
| **MXVF16-50** | 654 | 520 | 1174 | 320 | 190 | 82 |
| **MXVF16-60** | 699 | 520 | 1219 | 320 | 190 | 89 |
| **MXVF16-70** | 744 | 520 | 1264 | 320 | 190 | 90 |
| **MXVF16-80** | 789 | 520 | 1309 | 320 | 190 | 101 |

Flange connection: PN25-40 / DN40. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.



# 16. MXVF20

▸ Rated flow 20 m³/h ▸ Tabulated flow range 12–32 m³/h ▸ Head up to 204 m
▸ Motor rating 2.2–18.5 kW ▸ Connection PN25-40 / DN40 ▸ 8 models per material execution.

## 16.1 PRODUCT CODES

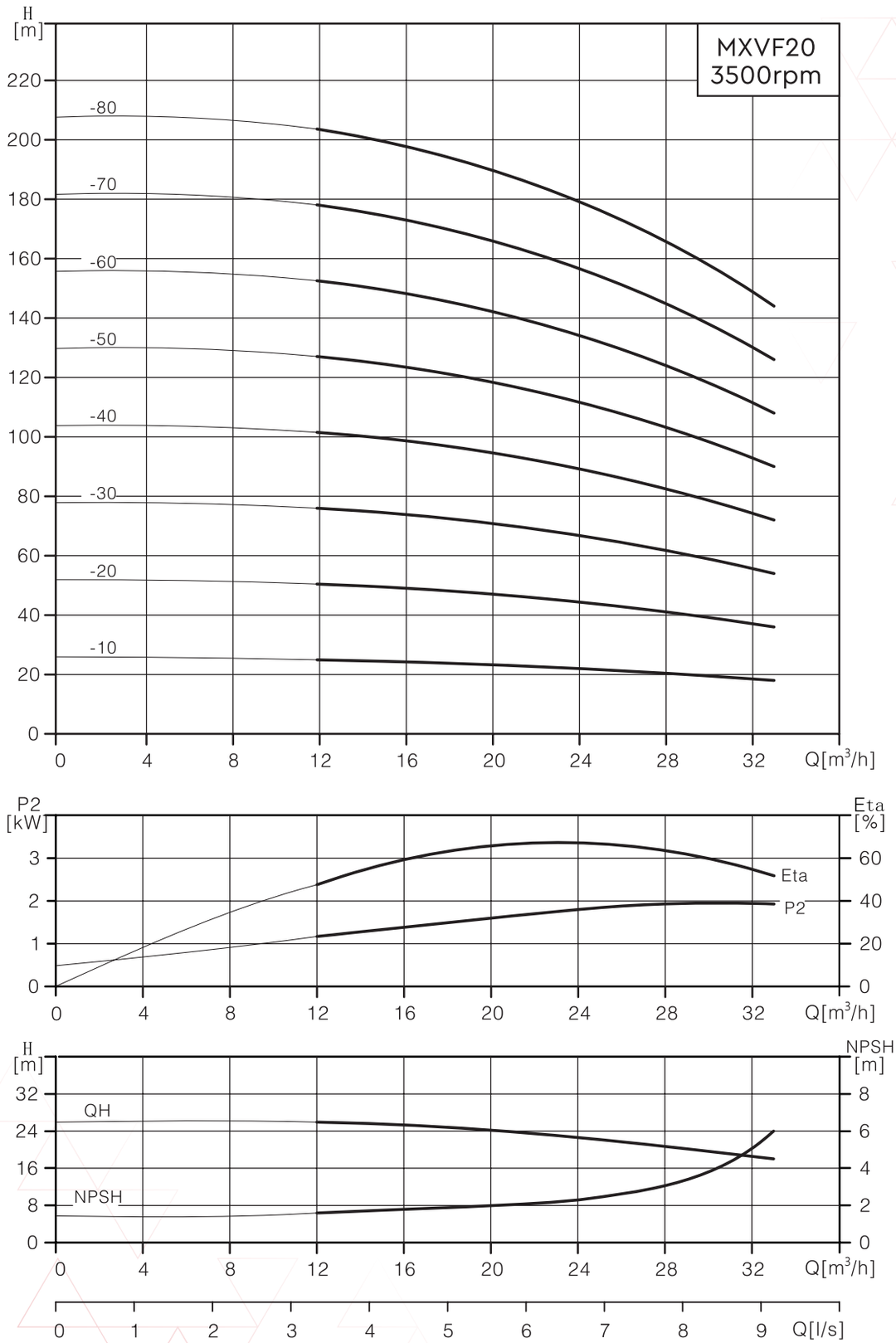
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF20-10** | 2.2 | MXV5020010S | MXV5020010N | MXV5020010D |
| **MXVF20-20** | 5.5 | MXV5020020S | MXV5020020N | MXV5020020D |
| **MXVF20-30** | 7.5 | MXV5020030S | MXV5020030N | MXV5020030D |
| **MXVF20-40** | 11 | MXV5020040S | MXV5020040N | MXV5020040D |
| **MXVF20-50** | 11 | MXV5020050S | MXV5020050N | MXV5020050D |
| **MXVF20-60** | 15 | MXV5020060S | MXV5020060N | MXV5020060D |
| **MXVF20-70** | 18.5 | MXV5020070S | MXV5020070N | MXV5020070D |
| **MXVF20-80** | 18.5 | MXV5020080S | MXV5020080N | MXV5020080D |

## 16.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 12 | 16 | 20 | 24 | 28 | 32 |
| **MXVF20-10** | 2.2 | H(m) | 25 | 24 | 23 | 22 | 20 | 18 |
| **MXVF20-20** | 5.5 | | 51 | 49 | 47 | 44 | 41 | 37 |
| **MXVF20-30** | 7.5 | | 76 | 74 | 71 | 67 | 61 | 55 |
| **MXVF20-40** | 11 | | 102 | 99 | 95 | 89 | 82 | 74 |
| **MXVF20-50** | 11 | | 127 | 123 | 118 | 112 | 103 | 92 |
| **MXVF20-60** | 15 | | 153 | 148 | 142 | 134 | 124 | 111 |
| **MXVF20-70** | 18.5 | | 178 | 173 | 166 | 157 | 144 | 129 |
| **MXVF20-80** | 18.5 | | 204 | 198 | 190 | 179 | 165 | 148 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

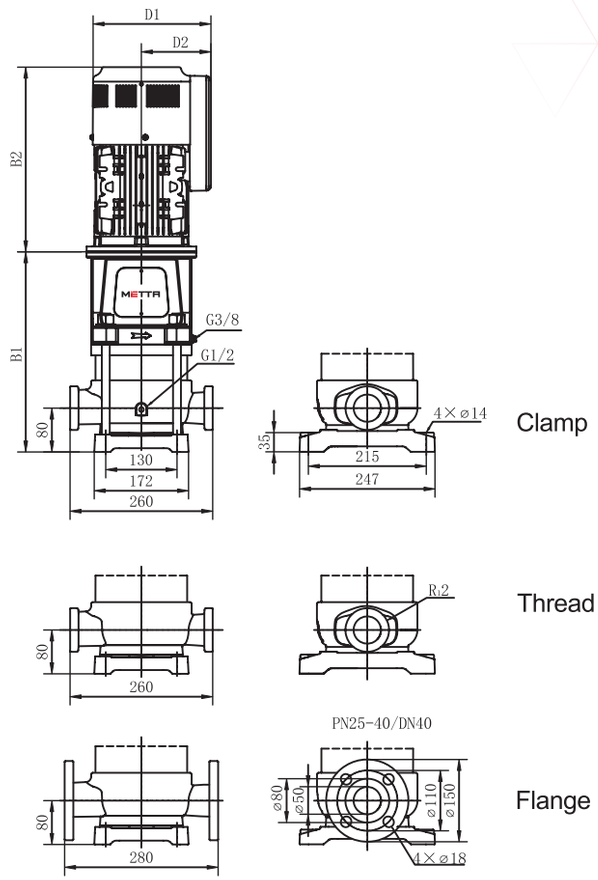
## 16.3 PERFORMANCE CURVE



## 16.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF20-10** | 356 | 400 | 756 | 210 | 133 | 36 |
| **MXVF20-20** | 431 | 420 | 851 | 270 | 160 | 61 |
| **MXVF20-30** | 476 | 420 | 896 | 270 | 160 | 66 |
| **MXVF20-40** | 609 | 520 | 1129 | 320 | 190 | 85 |
| **MXVF20-50** | 654 | 520 | 1174 | 320 | 190 | 86 |
| **MXVF20-60** | 699 | 520 | 1219 | 320 | 190 | 93 |
| **MXVF20-70** | 744 | 520 | 1264 | 320 | 190 | 104 |
| **MXVF20-80** | 789 | 520 | 1309 | 320 | 190 | 105 |

Flange connection: PN25-40 / DN40. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.



# 17. MXVF32

▸ Rated flow 32 m³/h ▸ Tabulated flow range 20–48 m³/h ▸ Head up to 312 m
▸ Motor rating 4–45 kW ▸ Connection PN25-40 / DN65 ▸ 20 models per material execution.

## 17.1 PRODUCT CODES

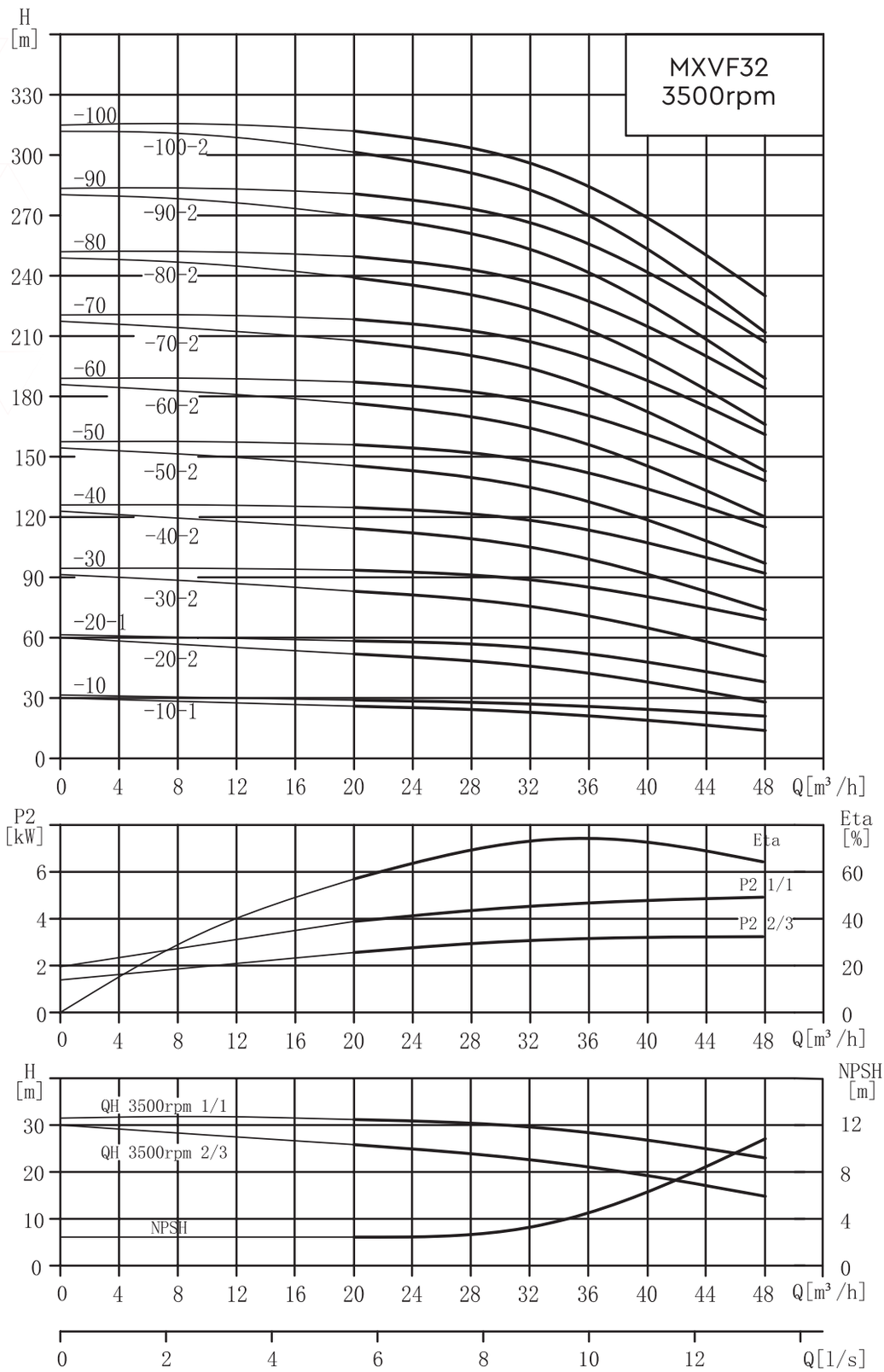
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF32-10-1** | 4 | MXV5032011S | MXV5032011N | MXV5032011D |
| **MXVF32-10** | 5.5 | MXV5032010S | MXV5032010N | MXV5032010D |
| **MXVF32-20-2** | 7.5 | MXV5032022S | MXV5032022N | MXV5032022D |
| **MXVF32-20-1** | 7.5 | MXV5032020S | MXV5032020N | MXV5032020D |
| **MXVF32-30-2** | 11 | MXV5032032S | MXV5032032N | MXV5032032D |
| **MXVF32-30** | 15 | MXV5032030S | MXV5032030N | MXV5032030D |
| **MXVF32-40-2** | 15 | MXV5032042S | MXV5032042N | MXV5032042D |
| **MXVF32-40** | 18.5 | MXV5032040S | MXV5032040N | MXV5032040D |
| **MXVF32-50-2** | 18.5 | MXV5032052S | MXV5032052N | MXV5032052D |
| **MXVF32-50** | 22 | MXV5032050S | MXV5032050N | MXV5032050D |
| **MXVF32-60-2** | 22 | MXV5032062S | MXV5032062N | MXV5032062D |
| **MXVF32-60** | 30 | MXV5032060S | MXV5032060N | MXV5032060D |
| **MXVF32-70-2** | 30 | MXV5032072S | MXV5032072N | MXV5032072D |
| **MXVF32-70** | 30 | MXV5032070S | MXV5032070N | MXV5032070D |
| **MXVF32-80-2** | 37 | MXV5032082S | MXV5032082N | MXV5032082D |
| **MXVF32-80** | 37 | MXV5032080S | MXV5032080N | MXV5032080D |
| **MXVF32-90-2** | 37 | MXV5032092S | MXV5032092N | MXV5032092D |
| **MXVF32-90** | 37 | MXV5032090S | MXV5032090N | MXV5032090D |
| **MXVF32-100-2** | 45 | MXV5032102S | MXV5032102N | MXV5032102D |
| **MXVF32-100** | 45 | MXV5032100S | MXV5032100N | MXV5032100D |

## 17.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| **MXVF32-10-1** | 4 | H(m) | 26 | 25 | 24 | 23 | 21 | 19 | 17 | 14 |
| **MXVF32-10** | 5.5 | | 29.5 | 28.5 | 28 | 27 | 25.5 | 25 | 23 | 21 |
| **MXVF32-20-2** | 7.5 | | 52 | 50 | 48 | 46 | 42 | 38 | 34 | 28 |
| **MXVF32-20-1** | 7.5 | | 58.5 | 57.5 | 56.5 | 55 | 51.5 | 47 | 43 | 38 |
| **MXVF32-30-2** | 11 | | 83 | 81 | 78 | 76 | 70 | 65 | 59 | 51 |
| **MXVF32-30** | 15 | | 94 | 93 | 91 | 89 | 85 | 80 | 75 | 69 |
| **MXVF32-40-2** | 15 | | 114 | 112 | 109 | 105 | 99 | 92 | 84 | 74 |
| **MXVF32-40** | 18.5 | | 125 | 124 | 122 | 118 | 114 | 107 | 100 | 92 |
| **MXVF32-50-2** | 18.5 | | 146 | 143 | 139 | 135 | 127 | 118 | 109 | 97 |
| **MXVF32-50** | 22 | | 156 | 155 | 152 | 148 | 142 | 134 | 125 | 115 |
| **MXVF32-60-2** | 22 | | 177 | 174 | 170 | 164 | 156 | 145 | 134 | 120 |
| **MXVF32-60** | 30 | | 187 | 185 | 182 | 178 | 170 | 161 | 150 | 138 |
| **MXVF32-70-2** | 30 | | 208 | 205 | 200 | 194 | 184 | 172 | 159 | 143 |
| **MXVF32-70** | 30 | | 218 | 216 | 213 | 207 | 199 | 188 | 175 | 161 |
| **MXVF32-80-2** | 37 | | 239 | 235 | 230 | 224 | 212 | 199 | 184 | 166 |
| **MXVF32-80** | 37 | | 250 | 247 | 243 | 237 | 227 | 214 | 200 | 184 |
| **MXVF32-90-2** | 37 | | 270 | 266 | 261 | 253 | 241 | 226 | 209 | 189 |
| **MXVF32-90** | 37 | | 281 | 278 | 274 | 266 | 256 | 241 | 225 | 207 |
| **MXVF32-100-2** | 45 | | 302 | 297 | 291 | 283 | 269 | 252 | 234 | 212 |
| **MXVF32-100** | 45 | | 312 | 309 | 304 | 296 | 284 | 268 | 250 | 230 |

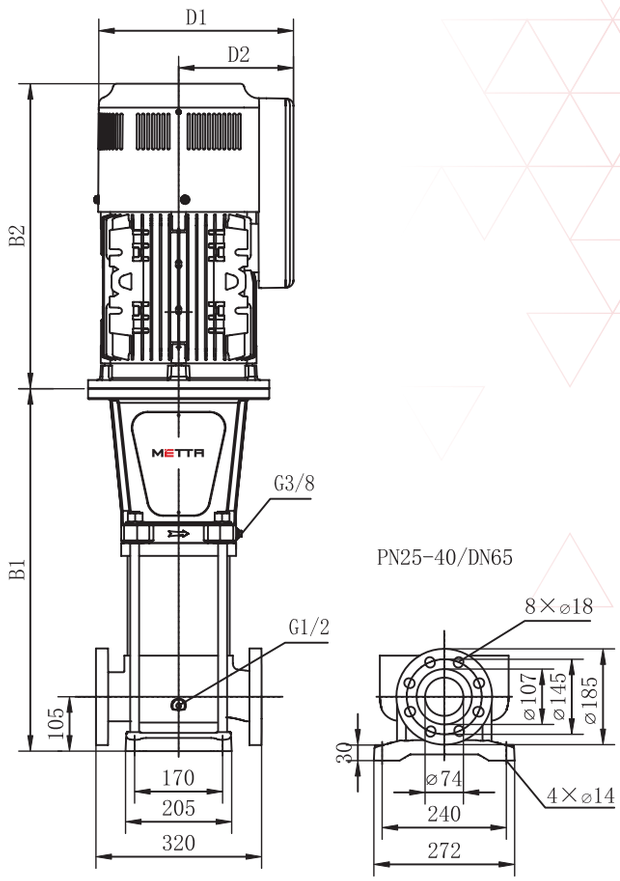
Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

## 17.3 PERFORMANCE CURVE



## 17.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| **MXVF32-10-1** | 455 | 420 | 875 | 270 | 160 | 65 |
| **MXVF32-10** | 455 | 420 | 875 | 270 | 160 | 68 |
| **MXVF32-20-2** | 525 | 420 | 945 | 270 | 160 | 74 |
| **MXVF32-20-1** | 525 | 420 | 945 | 270 | 160 | 65 |
| **MXVF32-30-2** | 700 | 520 | 1220 | 320 | 190 | 93 |
| **MXVF32-30** | 700 | 520 | 1220 | 320 | 190 | 98 |
| **MXVF32-40-2** | 770 | 520 | 1290 | 320 | 190 | 102 |
| **MXVF32-40** | 770 | 520 | 1290 | 320 | 190 | 112 |
| **MXVF32-50-2** | 840 | 520 | 1360 | 320 | 190 | 114 |
| **MXVF32-50** | 840 | 520 | 1360 | 320 | 190 | 120 |
| **MXVF32-60-2** | 910 | 520 | 1430 | 320 | 190 | 121 |
| **MXVF32-60** | 910 | 600 | 1510 | 420 | 260 | 188 |
| **MXVF32-70-2** | 980 | 600 | 1580 | 420 | 260 | 190 |
| **MXVF32-70** | 980 | 600 | 1580 | 420 | 260 | 190 |
| **MXVF32-80-2** | 1050 | 600 | 1650 | 420 | 260 | 203 |
| **MXVF32-80** | 1050 | 600 | 1650 | 420 | 260 | 203 |
| **MXVF32-90-2** | 1120 | 600 | 1720 | 420 | 260 | 205 |
| **MXVF32-90** | 1120 | 600 | 1720 | 420 | 260 | 205 |
| **MXVF32-100-2** | 1190 | 600 | 1790 | 420 | 260 | 249 |
| **MXVF32-100** | 1190 | 600 | 1790 | 420 | 260 | 249 |




Flange connection: PN25-40 / DN65. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.

# 18. MXVF45

- Rated flow 45 m³/h
- Tabulated flow range 30–70 m³/h
- Head up to 258 m
- Motor rating 5.5–45 kW
- Connection PN25-40 / DN80
- 13 models per material execution.

## 18.1 PRODUCT CODES

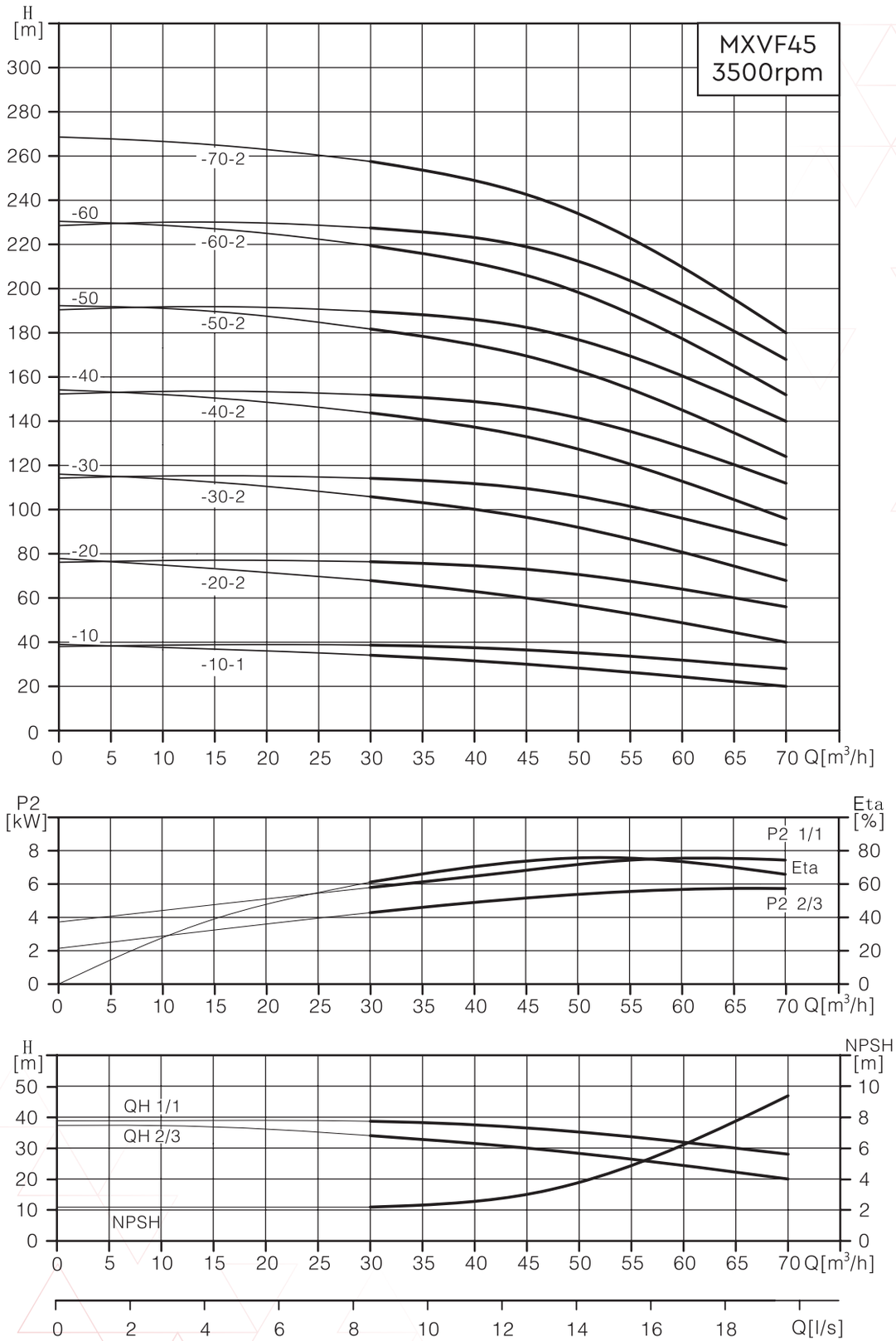
| Model | Power (kW) | Code — SS304 (S) | Code — SS316 (N) | Code — SS2205 (D) |
|---|---|---|---|---|
| **MXVF45-10-1** | 7.5 | MXV5045011S | MXV5045011N | MXV5045011D |
| **MXVF45-10** | 7.5 | MXV5045010S | MXV5045010N | MXV5045010D |
| **MXVF45-20-2** | 15 | MXV5045022S | MXV5045022N | MXV5045022D |
| **MXVF45-20** | 15 | MXV5045020S | MXV5045020N | MXV5045020D |
| **MXVF45-30-2** | 18.5 | MXV5045032S | MXV5045032N | MXV5045032D |
| **MXVF45-30** | 22 | MXV5045030S | MXV5045030N | MXV5045030D |
| **MXVF45-40-2** | 30 | MXV5045042S | MXV5045042N | MXV5045042D |
| **MXVF45-40** | 30 | MXV5045040S | MXV5045040N | MXV5045040D |
| **MXVF45-50-2** | 37 | MXV5045052S | MXV5045052N | MXV5045052D |
| **MXVF45-50** | 37 | MXV5045050S | MXV5045050N | MXV5045050D |
| **MXVF45-60-2** | 45 | MXV5045062S | MXV5045062N | MXV5045062D |
| **MXVF45-60** | 45 | MXV5045060S | MXV5045060N | MXV5045060D |
| **MXVF45-70-2** | 45 | MXV5045072S | MXV5045072N | MXV5045072D |

## 18.2 PERFORMANCE TABLE

| Model | Power (kw) | PERFORMANCE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Q (m³/h) | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| **MXVF45-10-1** | 7.5 | | 34 | 33 | 32 | 30 | 29 | 27 | 25 | 22 | 20 |
| **MXVF45-10** | 7.5 | | 38.5 | 38 | 37.5 | 37 | 35 | 34 | 32 | 30 | 28 |
| **MXVF45-20-2** | 15 | | 68 | 66 | 64 | 60 | 58 | 54 | 50 | 44 | 40 |
| **MXVF45-20** | 15 | | 76 | 75.5 | 75 | 73 | 70 | 67 | 64 | 60 | 56 |
| **MXVF45-30-2** | 18.5 | | 106 | 104 | 102 | 97 | 93 | 88 | 82 | 74 | 68 |
| **MXVF45-30** | 22 | | 114 | 113.5 | 113 | 110 | 106 | 101 | 96 | 90 | 84 |
| **MXVF45-40-2** | 30 | H(m) | 144 | 142 | 139 | 133 | 128 | 121 | 114 | 104 | 96 |
| **MXVF45-40** | 30 | | 152 | 151 | 150 | 146 | 141 | 135 | 128 | 120 | 112 |
| **MXVF45-50-2** | 37 | | 182 | 181 | 177 | 170 | 164 | 155 | 146 | 134 | 124 |
| **MXVF45-50** | 37 | | 190 | 191 | 188 | 183 | 176 | 169 | 160 | 150 | 140 |
| **MXVF45-60-2** | 45 | | 220 | 219 | 214 | 206 | 199 | 189 | 178 | 164 | 152 |
| **MXVF45-60** | 45 | | 228 | 227 | 225 | 219 | 211 | 202 | 191 | 180 | 168 |
| **MXVF45-70-2** | 45 | | 258 | 257 | 252 | 243 | 234 | 223 | 210 | 194 | 180 |

Q in m³/h, H in m. Values at 3500 rpm, airless water at 20 °C, tolerance to ISO 9906.

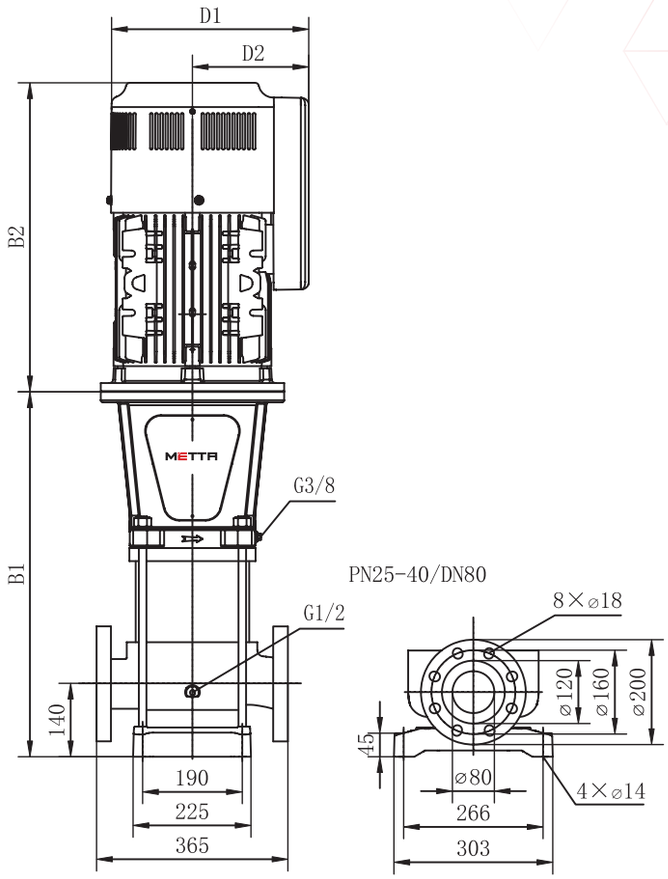
## 18.3 PERFORMANCE CURVE



## 18.4 DIMENSIONS & WEIGHT

| Model | Dimension (mm) | | | | | Weight (kg) |
|---|---|---|---|---|---|---|
| | B1 | B2 | B1+B2 | D1 | D2 | |
| MXVF45-10-1 | 511 | 420 | 931 | 270 | 160 | 77 |
| MXVF45-10 | 511 | 420 | 931 | 270 | 160 | 80 |
| MXVF45-20-2 | 696 | 520 | 1216 | 320 | 190 | 104 |
| MXVF45-20 | 696 | 520 | 1216 | 320 | 190 | 104 |
| MXVF45-30-2 | 776 | 520 | 1296 | 320 | 190 | 120 |
| MXVF45-30 | 776 | 520 | 1296 | 320 | 190 | 125 |
| MXVF45-40-2 | 856 | 600 | 1456 | 420 | 260 | 193 |
| MXVF45-40 | 856 | 600 | 1456 | 420 | 260 | 193 |
| MXVF45-50-2 | 936 | 600 | 1536 | 420 | 260 | 206 |
| MXVF45-50 | 936 | 600 | 1536 | 420 | 260 | 206 |
| MXVF45-60-2 | 1016 | 600 | 1616 | 420 | 260 | 255 |
| MXVF45-60 | 1016 | 600 | 1616 | 420 | 260 | 255 |
| MXVF45-70-2 | 1096 | 600 | 1696 | 420 | 260 | 257 |

Flange connection: PN25-40 / DN80. Weights refer to the standard flange execution. Thread and Tri-Clamp connection versions are available on request.



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