

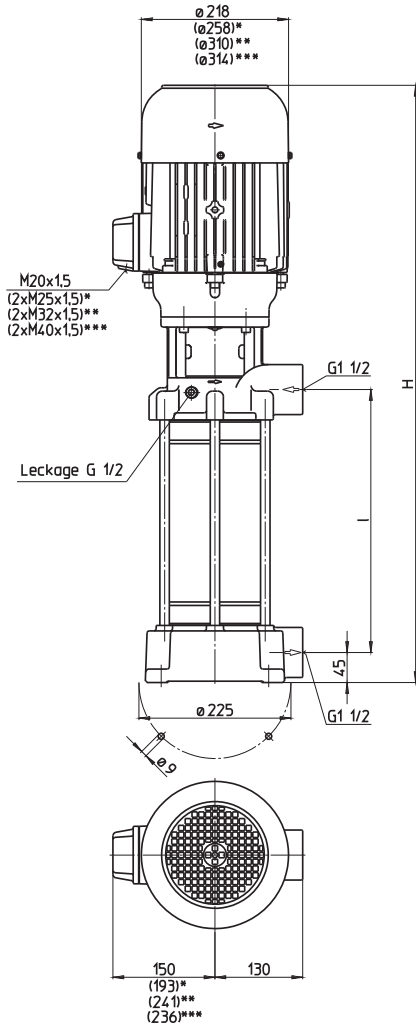
Pressure Boosting Pumps

FH17

Closed impellers



FH1702...1711



- *) Dimensions for FH1704...1705
- **) Dimensions for FH1706...1708
- ***) Dimensions for FH1709...1711

| Type | Vol. del. at manom. del. head l/min / m | Height H mm | Length l mm | Weight kg | Power kW | Voltage 3 ~ V | Fre- quen- cy Hz | Current A | Speed 1/min |
|------------------|--|----------------|----------------|--------------|-------------|---------------------|---------------------------|--------------|----------------|
| FH1702B18 | 300/37 | 741 | 212 | 60 | 3.8 | 460 | 60 | 6.4 | 3520 |
| FH1703B28 | 300/58 | 867 | 308 | 66 | 5.75 | 460 | 60 | 9.5 | 3520 |
| FH1704B28 | 300/80 | 943 | 308 | 91 | 8.6 | 460 | 60 | 13.7 | 3550 |
| FH1705B38 | 300/99 | 1040 | 404 | 120 | 10.3 | 460 | 60 | 15.8 | 3550 |
| FH1706B38 | 300/118 | 1048 | 404 | 123 | 12.6 | 460 | 60 | 19.5 | 3560 |
| FH1707B47 | 300/140 | 1144 | 500 | 126 | 15.0 | 460 | 60 | 23.6 | 3560 |
| FH1708B47 | 300/160 | | | 128 | | | | | |
| FH1709B57 | 300/180 | 1545 | 596 | 154 | 17.3 | 460 | 60 | 27 | 3555 |
| FH1710B57 | 300/200 | 1594 | 596 | 173 | 21.3 | 460 | 60 | 32 | 3555 |
| FH1711B66 | 300/219 | 1690 | 692 | 175 | | | | | |



Pressure Boosting Pumps

series TH and FH use **closed impellers** in order to minimize power consumption and to optimize hydraulic pump efficiencies.

In addition, the TH series offers high pressures at short immersion depths. Inline pumps of the series FH can be used as **boosting pumps** if provided with positive inlet pressure. This inlet pressure can be provided by the central coolant supply or a feed pump. In such a setup, pumps of the series FH can raise the incoming pressure by up to 26 bar.

A **frequency converter** can be supplied for **special applications** or for matching the pump characteristic to a specific duty point.

See page "Control/Regulation" in the Technical Information section of this catalog for further information.

Applications

Types of fluid
 Industry water
 coolants
 cooling/cutting oils
 Kinematic viscosity
 ...25 mm²/s (25 cSt)
 Pumping temperature
 0...80° C

Construction

| | |
|-----------------|------------|
| Pump body | cast iron |
| Cover | cast iron |
| Impellers | CrNi-steel |
| Shaft | CrNi-steel |
| Diffusers | CrNi-steel |
| Mechanical seal | SiC |
| O-rings | Viton |

Noise level

| | |
|-----------------|--------|
| FH1702...FH1703 | 74 dBA |
| FH1704...FH1705 | 77 dBA |
| FH1706...FH1708 | 79 dBA |
| FH1709...FH1711 | 81 dBA |

