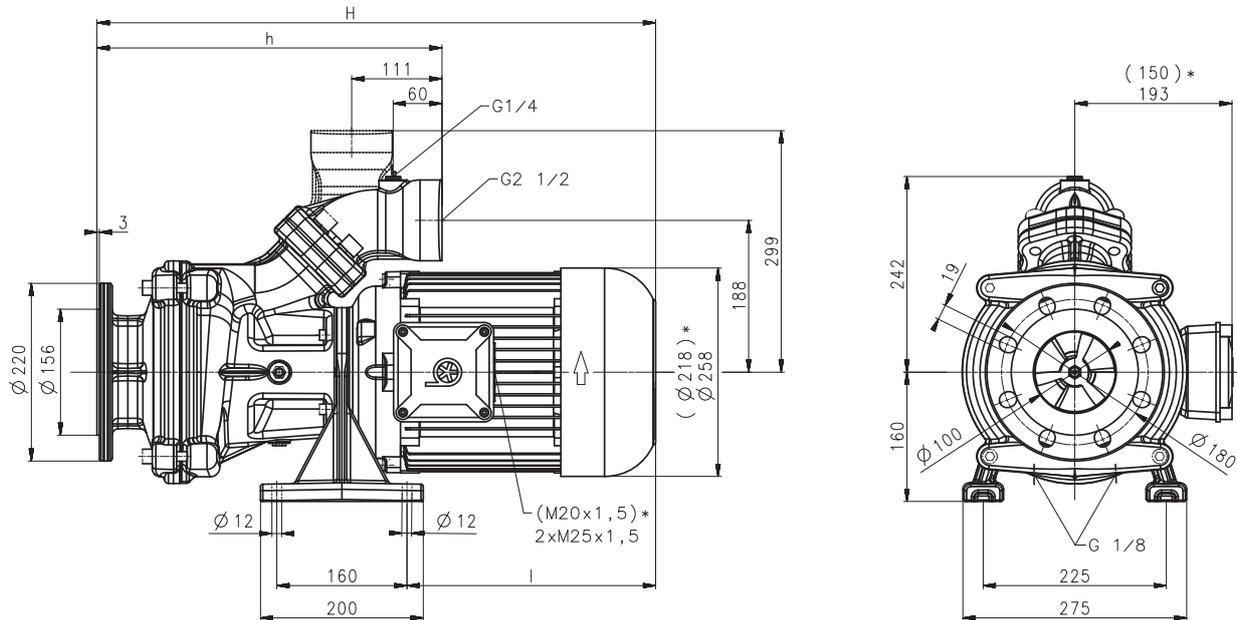


Horizontal End-Suction Pumps

SBF1350...1850

Axial/semi-open impellers

SBF1350...1850



*) Dimensions for SBF1350

| Type | Vol. del. at manom. del. head | Dimensions | | Length | Weight | Power kW | Voltage 3 ~ V | Frequency Hz | Current A | Speed 1/min |
|---------|-------------------------------|------------|------|--------|--------|----------|---------------|--------------|-----------|-------------|
| | l/min / m | H mm | h mm | l mm | kg | | | | | |
| SBF1350 | 600/15 | 716 | 424 | 335 | 86 | 5.5 | 220-240 | 50 | 18.9 | 2915 |
| | | | | | | | 380-415 | 50 | 10.9 | 2915 |
| | | | | | | 6.3 | 460 | 60 | 10.4 | 3510 |
| SBF1550 | 850/18 | 793 | 424 | 414 | 113 | 7.5 | 380-415 | 50 | 14.3 | 2950 |
| | | | | | | 8.6 | 460 | 60 | 13.7 | 3550 |
| | | | | | | SBF1850 | 1100/18 | 843 | 424 | 414 |
| 10.3 | 460 | 60 | 15.8 | 3550 | | | | | | |



Horizontal End-Suction Pumps

are centrifugal inline pumps with a compact design where the impeller is mounted onto the extended motor shaft. These pumps are not self-priming and must be gravity fed. All pumps are equipped with a single mechanical seal. Upon request a second mechanical seal is available to allow for dry-running (-GD). This pump series is designed for horizontal installations next to a tank and for pumping **highly air entrained coolant fluids**, such as **water-soluble coolants (emulsions)**, as they occur in **high speed machining applications, such as turning and milling**.

The SBF pumps are equipped with the user-friendly 45 degree **flange** connection which allows for either vertical or horizontal pipe connection and the connection of a pressure gauge with G 1/4.

For more information see lifting pumps features SFL/SBF within the technical information section.

Applications

Types of fluid
coolants
cooling/cutting oils
Max. chip to coolant ratio by weight:
1.0 % depending on the specific chip type
Chip material:
Aluminium, steel, coloured steels, cast iron
Kinematic viscosity
...45 mm²/s (45 cSt)
Pumping temperature
0...80° C

Construction

| | |
|-------------------|------------|
| Pump body | cast iron |
| Cover | cast iron |
| Impeller axial | cast steel |
| Impeller radial | cast steel |
| Shaft | steel |
| Mechanical seal | SiC |
| Noise level | |
| SBF1350 | 71 dBA |
| SBF1550...SBF1850 | 74 dBA |

