

Horizontal End-Suction Pumps

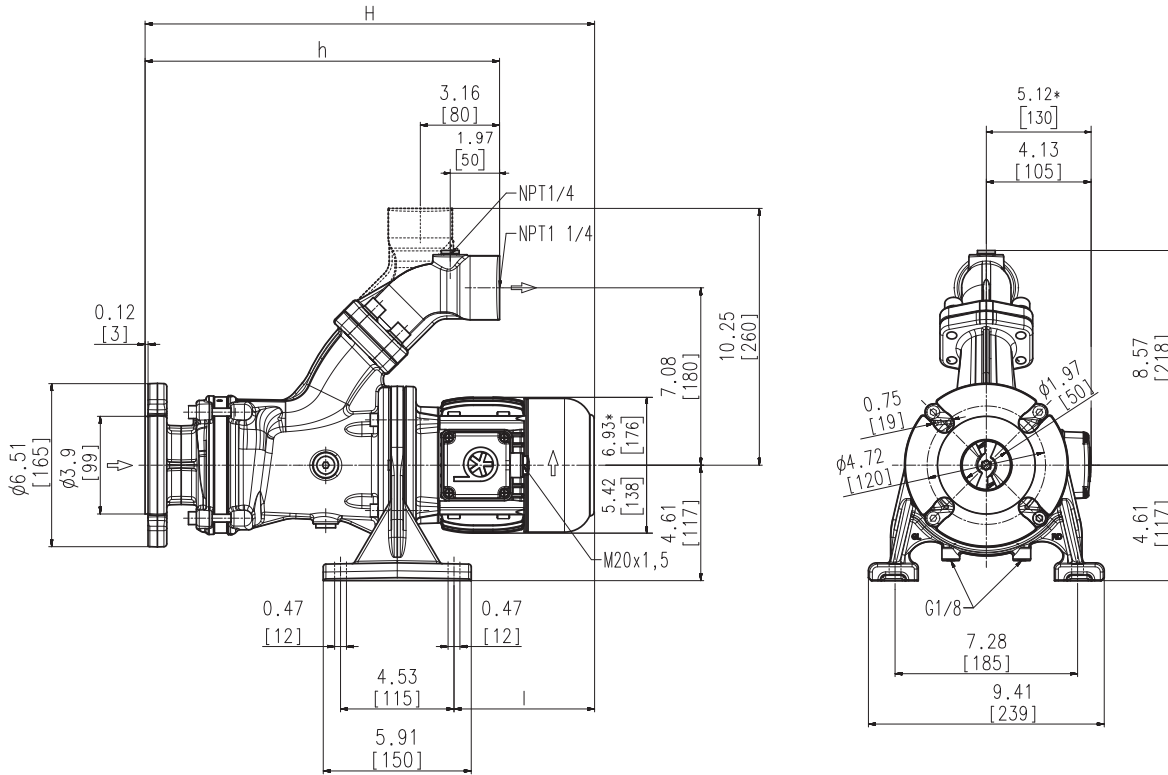
SBA141S...143S

Axial/semi-open impellers



60 Hz

SBA141S...143S



Dimensions in Inches / mm
*) Dimensions SBA143S

| Type | Flow at head | Dimensions | | Length | | Weight | | Power | Voltage 3~ | Fre- quen- cy | Current | Speed | | |
|----------------|-----------------------|------------|------|--------|------|--------|------|-------|---------------|---------------------|---------|-------|------|------|
| | GPM /Feet l/min /m | H inch | H mm | h inch | h mm | l Inch | l mm | | | | | | Lbs | kg |
| SBA141S | 25/35 | 19.6 | 497 | 14.1 | 359 | 7.2 | 184 | 61.7 | 28 | 1 | 208-230 | 60 | 3.02 | 3425 |
| | 100/10 | | | | | | | | | 0.725 | 460 | 60 | 1.46 | 3425 |
| SBA142S | 25/53 | 22.6 | 575 | 16.1 | 410 | 8.3 | 211 | 70.6 | 32 | 1.7 | 230 | 60 | 4.8 | 3440 |
| | 100/14 | | | | | | | | | 1.27 | 460 | 60 | 2.4 | 3440 |
| SBA143S | 25/83 | 25.7 | 653 | 17.5 | 444 | 10.1 | 256 | 92.6 | 42 | 2.6 | 230 | 60 | 7.0 | 3480 |
| | 100/21 | | | | | | | | | 1.95 | 460 | 60 | 3.5 | 3480 |



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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 **air entrained coolant** fluids, such as **water-soluble coolants or cutting oils**, as they occur in **high speed turning, milling or grinding applications**. The SBA pumps are equipped with the user-friendly **SAE flange** connection which allows for either vertical or horizontal pipe connection and the connection of a pressure gauge with NPT 1/4. For more information see mechanical features within the technical information section.

Applications

Types of fluid
 coolants
 cooling/cutting oils
 Kinematic viscosity
 ...200 SSU (...45 mm²/s)
 Pumping temperature
 30...175 °F (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 (Motor only; Tolerance +3 dBA) | |
| SBA141S...SBA142S | 67 dBA |
| SBA143S | 71 dBA |

