

Horizontal End-Suction Pumps

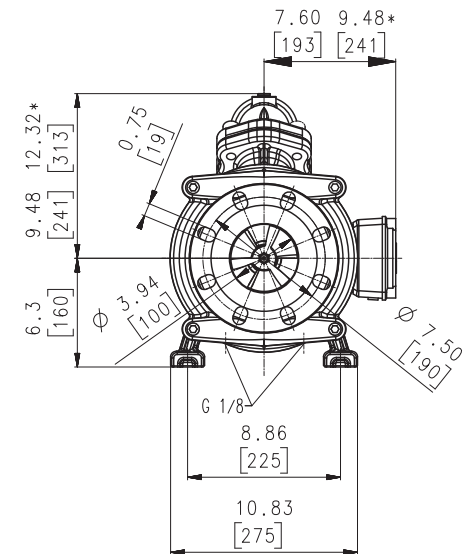
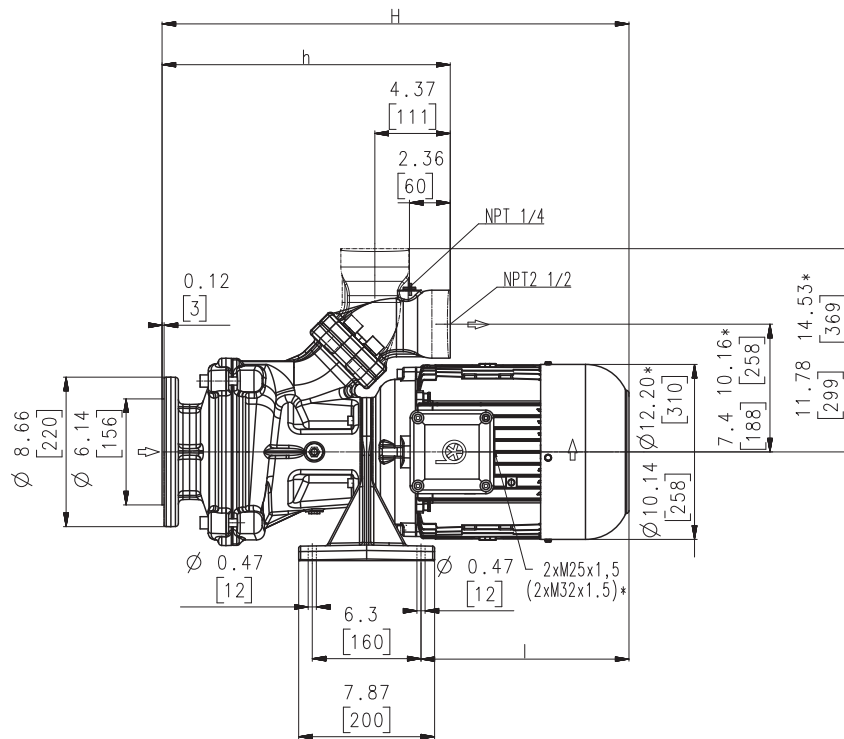
SBG1400S...1700S

Axial/semi-open impellers



60 Hz

SBG1400S...1700S



Dimensions in Inches / mm

*) Dimensions SBG1700S

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	HP kW	V	Hz	AMPS	RPM
SBG1400S	300/60	31.2	793	16.7	424	16.3	414	265	120	13.8	230	60	31.6	3550
	1200/17									10.3	460	60	15.8	3550
SBG1700S	400/60	31.6	802	19.5	495	16.6	422	324	147	20.1	230	60	48.2	3560
	1600/17									15.0	460	60	24.1	3560



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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 **highly air entrained coolant and cutting oils**, as they occur in **high speed grinding applications**. The SBG 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 NPT 1/4. For more information see mechanical features within the technical information section.

Applications

Types of fluid
coolants
cooling/cutting oils
grinding 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)	
SBG1400S	78 dBA
SBG1700S	79 dBA

