

Horizontal End-Suction Pumps

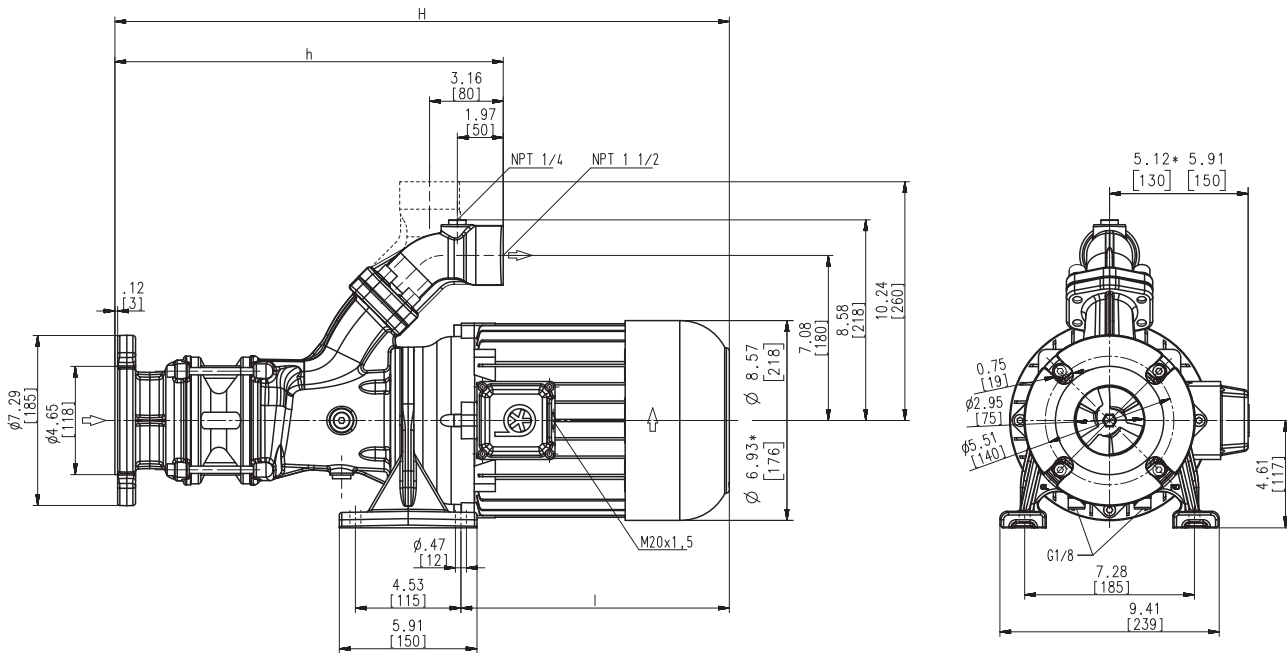
SBA430S...433S

Axial/semi-open impellers



60 Hz

SBA430S...433S



Dimensions in Inches / mm

*) Dimensions SBA430S

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
SBA430S	100/38	22.4	569	14.1	359	10.1	256	88.2	40	2.6	230	60	7.0	3480
	400/11									1.95	460	60	3.5	3480
SBA432S	100/82	27.8	705	16.7	423	12.9	328	127.9	58	5.1	230	60	12.8	3520
	400/24									3.8	460	60	6.4	3520
SBA433S	100/118	30.3	769	19.2	487	14.1	358	134.5	61	7.7	230	60	19.0	3520
	400/34									5.75	460	60	9.5	3520



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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)	
SBA430S	66 dBA
SBA432S...SBA433S	73 dBA

