

# Horizontal End-Suction Pumps

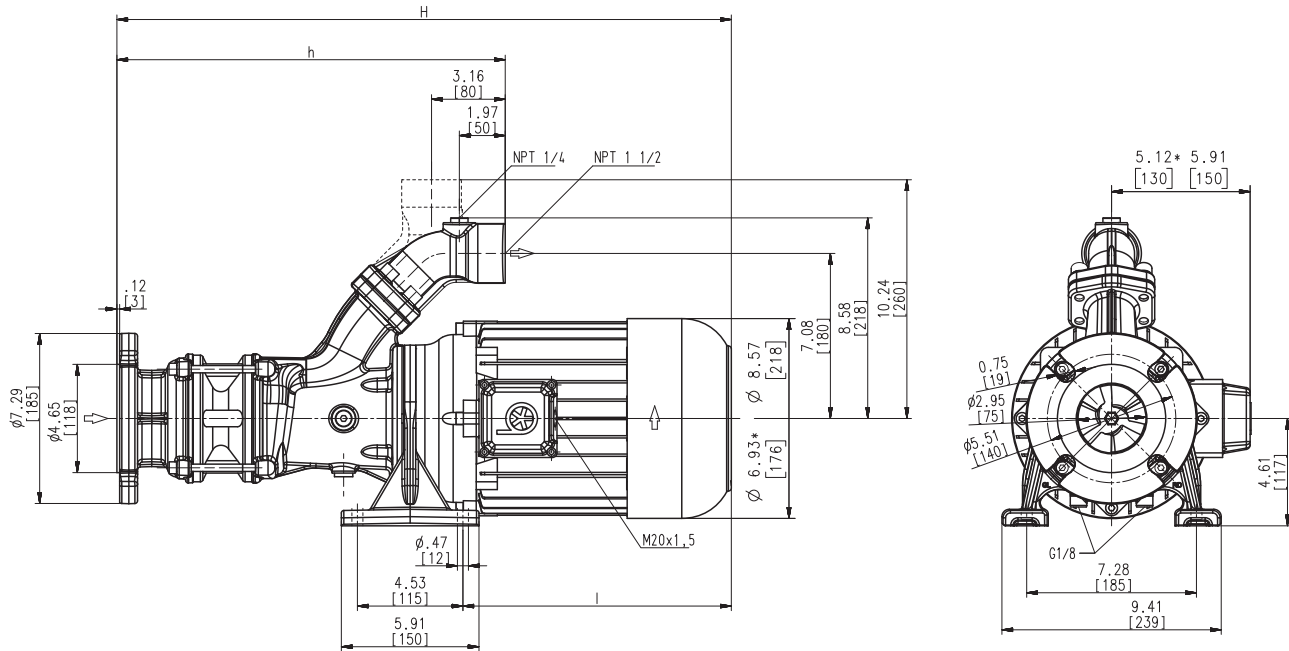
## SBA430S...433S

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



**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 for single-stage pumps 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 mm<sup>2</sup>/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

