

Horizontal End-Suction Pumps

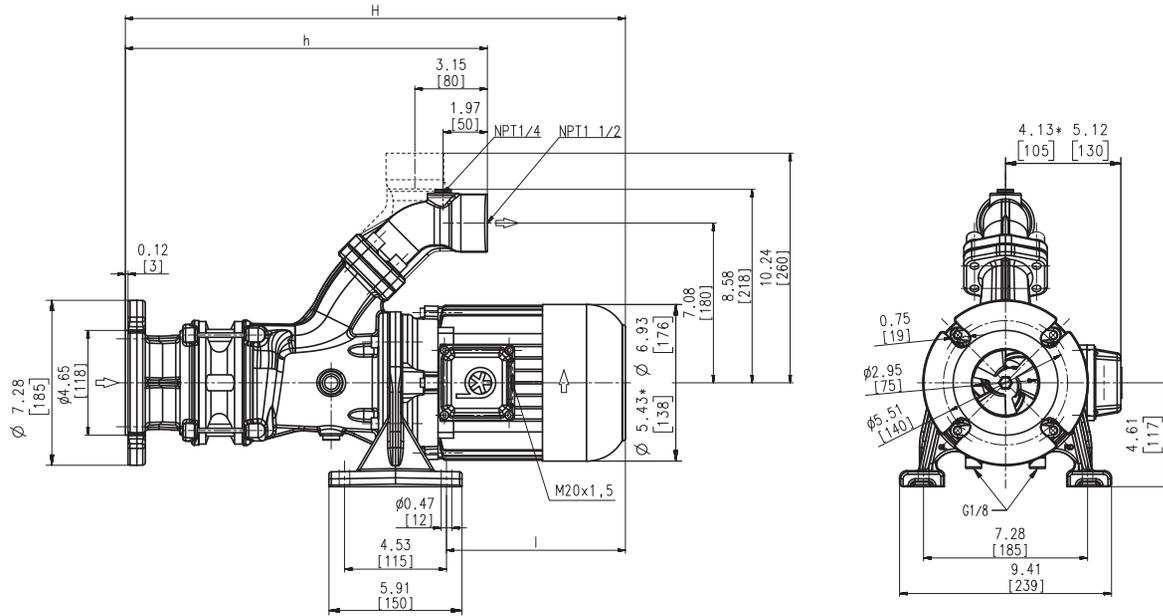
SBA401S...403S

Axial/semi-open impellers



60 Hz

SBA401S...403S



Dimensions in Inches / mm
*) Dimensions SBA401S

Type	Flow at head	Dimensions				Length		Weight		Power HP kW	Voltage 3~ V	Fre- quen- cy Hz	Current AMPS	Speed RPM
	GPM /Feet l/min /m	H inch	H mm	h inch	h mm	l Inch	l mm	Lbs	kg					
SBA401S	60/25	19.6	497	14.2	360	7.2	184	68.4	31	1.4	230	60	4.2	3440
	240/7									1.06	460	60	2.1	3440
SBA402S	60/47	23.3	592	16.1	409	9.1	230	86.0	39	2.3	230	60	6.2	3470
	240/14									1.75	460	60	3.1	3470
SBA403S	60/70	27.6	700	18.0	458	11.4	289	103.6	47	3.4	230	60	8.8	3480
	240/21									2.55	460	60	4.4	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 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 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)	
SBA401S	62 dBA
SBA402S...SBA403S	69 dBA

