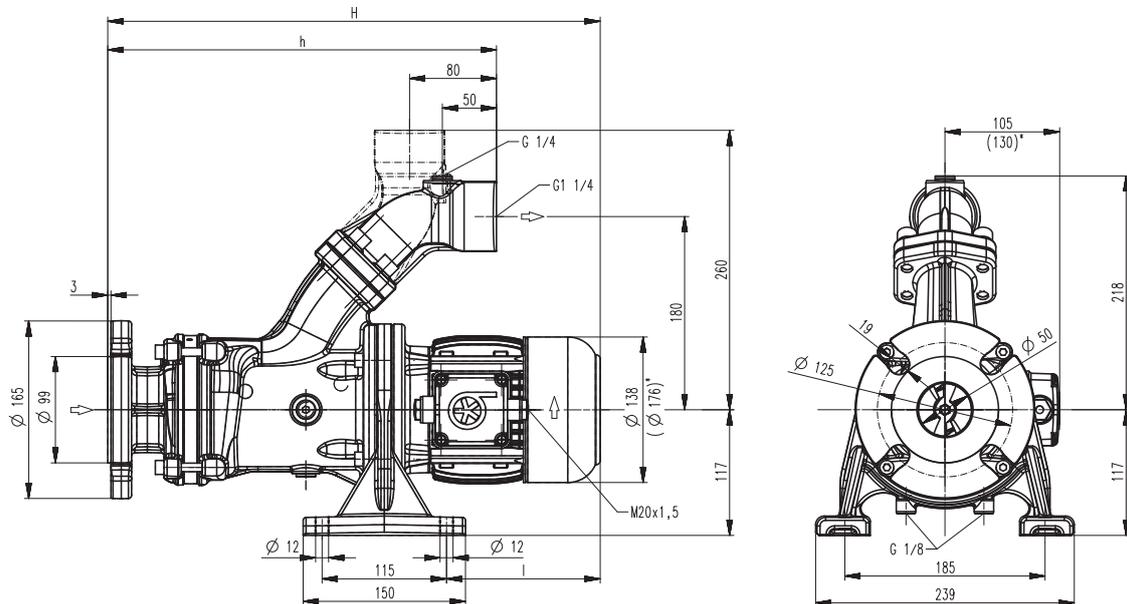


# Horizontal End-Suction Pumps

## SBA141...143

Axial/semi-open impellers

### SBA141...143



\*) Dimensions for SBA143

Type	Vol. del. at manom. del. head l/min / m	Dimensions		Length l mm	Weight kg	Power kW	Voltage 3 ~ V	Fre- quen- cy Hz	Current A	Speed 1/min
		H mm	h mm							
<b>SBA141</b>	100/9	497	359	184	28	0.63	220-240	50	2.70	2850
							380-415	50	1.56	2850
<b>SBA142</b>	100/13	575	410	211	32	0.725	460	60	1.46	3425
						1.1	220-240	50	4.33	2850
							380-415	50	2.50	2850
<b>SBA143</b>	100/20	653	444	256	42	1.27	460	60	2.4	3440
						1.7	220-240	50	6.24	2890
							380-415	50	3.60	2890
						1.95	460	60	3.5	3480

### 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 G 1/4.

For more information see mechanical features within the technical information section.

### Applications

Types of fluid  
coolants  
cooling/cutting oils  
Kinematic viscosity  
...45 mm<sup>2</sup>/s (45 cSt)  
Pumping temperature  
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	
SBA141...SBA142	64 dBA
SBA143	68 dBA

