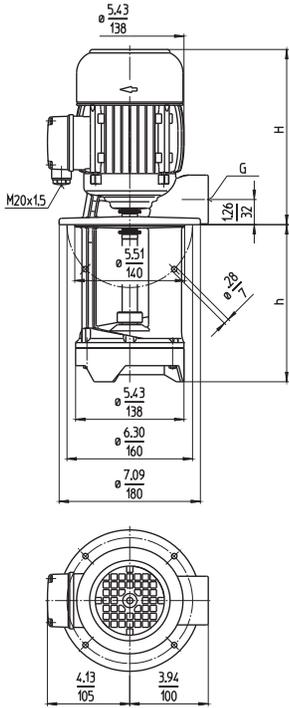


# Immersion Pumps TA/STA200...430

Semi-open impellers

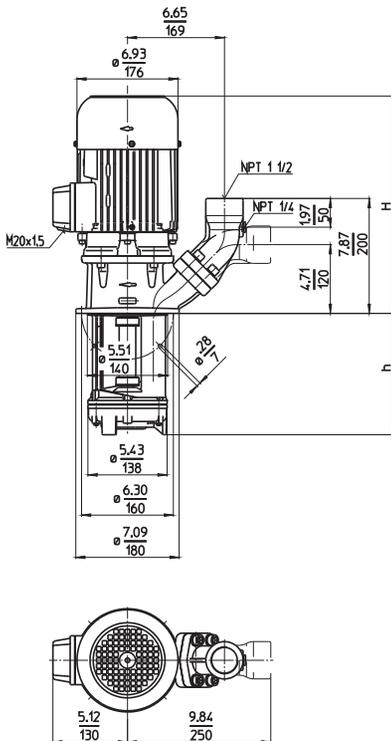


## TA200, 320



Type	Flow at head	Height	Depth of im- mersion		Thread	Weight		Power	Voltage	Fre- quen- cy	Current	Speed
	GPM /Feet l/min /m	H inch mm	h inch	h mm	G	Lbs	kg	HP kW	V	Hz	AMPS	RPM
<b>TA200S200</b>	40/18 160/5.5	8.8 223	7.87	200	G 1 ¼	28.7	13.0	0.75 0.55	208-230 460	60 60	2.38 1.14	3405 3405
	<b>270</b>		10.63	270		30.9	14.0					
	<b>350</b>		13.78	350		33.1	15.0					
	<b>440</b>		17.32	440		36.4	16.5					
	<b>550</b>		21.65	550		39.7	18.0					
<b>TA320S200</b>	60/32 240/9	11.5 291	7.87	200	G 1 ½	36.4	16.5	1.7 1.27	230 460	60 60	4.8 2.4	3440 3440
	<b>270</b>		10.63	270		38.6	17.5					
	<b>350</b>		13.78	350		40.8	18.5					
	<b>440</b>		17.32	440		45.2	20.5					
	<b>550</b>		21.65	550		47.4	21.5					
<b>STA430S210</b>	120/24 460/7	17.3 439	8.27	210		70.6	32	2.9 2.18	230 460	60 60	7.8 3.9	3500 3500
	<b>280</b>		11.02	280		72.8	33					
	<b>360</b>		14.17	360		75.0	34					
	<b>450</b>		17.72	450		77.2	35					
	<b>560</b>		22.05	560		79.4	36					

## STA430



Dimensions in Inches /mm  
Dimensions in Inches /mm



**Immersion Pumps**

are centrifugal pumps with the impeller fitted on the driving shaft extension. They are mounted on top of the container, the pump extension being immersed in the coolant.

The maximum coolant level must stay a few inches below the mounting flange.

The delivery capacities shown in the tables apply to water at 4.6 SSU (1 mm<sup>2</sup>/s) and 68°F (20°C).

For the delivery of oils, the values will decrease due to higher viscosities which result in an increased pipe resistance.

The STA pumps are equipped with the user-friendly 45 degree **(SAE) flange** connection which allows for either vertical or horizontal pipe connection and the connection of a pressure gauge.

 All types are also available as quick-suctioning immersion pumps equipped with "BRINKMANN's Suction De-aeration System". See series TAL/SAL.

**Applications**

Types of fluid  
coolants  
cooling/cutting oils  
Kinematic viscosity  
...200 SSU (...45 mm<sup>2</sup>/s)  
Pumping temperature  
30...140 °F (0...60 °C) TA200  
30...175 °F (0...80 °C) TA320...STA430  
higher temperatures upon request

**Construction**

Pump body cast iron  
Cover POM  
cast iron (TA320...STA430)  
Impeller POM  
brass (TA320...STA430)  
Shaft steel  
Optional:  
Suction cover with threaded G 1 1/2 inlet (TA200)  
with threaded G 2 inlet (TA320...STA430)  
Impeller cast steel  
brass (TA200)  
Other materials on request  
Noise level (Motor only; Tolerance +3 dBA)  
TA200...TA320 62 dBA  
STA430 66 dBA

