

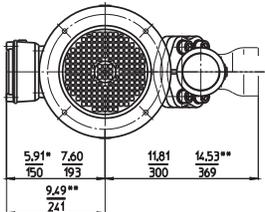
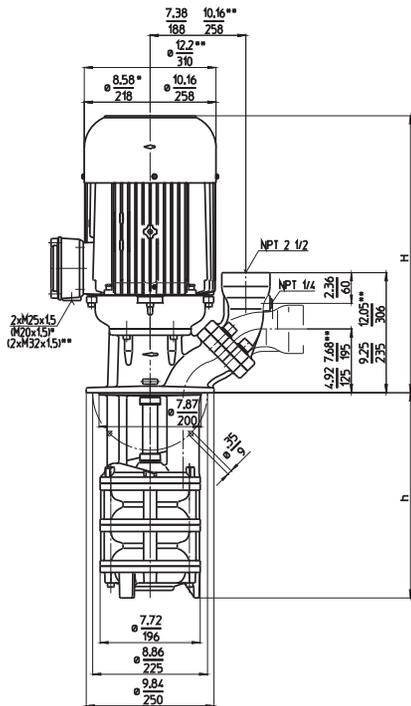
Immersion Pumps

STA1301...1303

Semi-open impellers



STA1301, 1302 STA1303



Discharge port with NPT 2 inches available upon request.

Dimensions in Inches / mm

*) Dimensions STA1301

**) Dimensions STA1303

Type	Flow at head	Height	Depth of im- mersion		Weight		Power	Voltage	Fre- quen- cy	Current	Speed
	GPM /Feet l/min /m	H inch mm	h inch	h mm	Lbs	kg	HP kW	V	Hz	AMPS	RPM
STA1301S210	250/42	21.0	8.27	210	149.9	68	7.7	230	60	19.0	3520
	900/12	533					5.75	460	60	9.5	3520
	310		12.20	310	156.6	71					
	440		17.32	440	165	75					
	560		22.05	560	176	80					
	760		29.92	760	198	90					
990		38.98	990	214	97						
1110		43.70	1110	220	100						
STA1302S290	250/90	24.1	11.42	290	238	108	11.5	230	60	27.8	3550
	900/28	612					8.6	460	60	13.9	3550
	390		15.35	390	243	110					
	520		20.47	520	249	113					
	640		25.20	640	260	118					
	840		33.07	840	287	130					
1070		42.13	1070	302	137						
STA1303S370	250/137	24.4	14.57	370	315	143	16.9	230	60	39.2	3560
	900/42	620					12.6	460	60	19.6	3560
	470		18.50	470	322	146					
	600		23.62	600	333	151					
	720		28.35	720	342	155					
	920		36.22	920	368	167					
1150		45.28	1150	384	174						



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 mm²/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 **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 SAL.

Applications

- Types of fluid
 - coolants
 - cooling/cutting oils
- Kinematic viscosity
 - ...200 SSU (...45 mm²/s)
- Pumping temperature
 - 30...175 °F (0...80 °C)
 - higher temperatures upon request

Construction

Pump body	cast iron
Cover	cast iron
Impellers	cast steel
Shaft	steel
Optional:	
Suction cover	with threaded G 3 inlet
Other materials	on request
Noise level (Motor only; Tolerance +3 dBA)	
STA1301	73 dBA
STA1302	78 dBA
STA1303	79 dBA

