

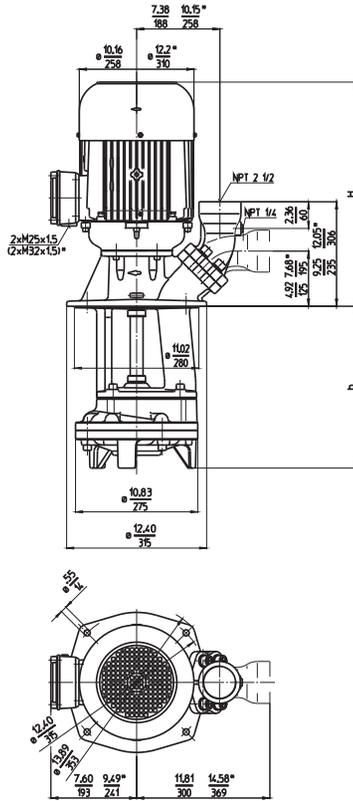
Immersion Pumps

STA1600...2500

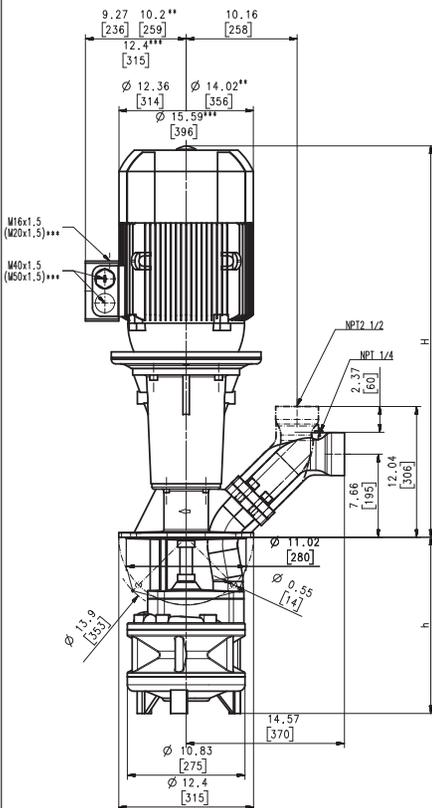
Semi-open impellers



STA1600...2000



STA1602...2500



Type	Flow at head	Height	Depth of immersion	Weight		Power	Voltage 3~	Frequency	Current Speed	
	GPM /Feet l/min /m	H inch mm	h inch h mm	Lbs kg	kg	HP kW	V	Hz	AMPS	RPM
STA1600S300	350/58	24.1	11.81	300	293	13.8	230	60	31.6	3550
	1300/17	612				10.3	460	60	15.8	3550
	430		16.93	430	298					
	550		21.65	550	313					
	800		31.50	800	351					
1050		41.34	1050	373						
STA2000S300	400/75	24.4	11.81	300	346	16.9	230	60	39.2	3560
	1600/22	620				12.6	460	60	19.6	3560
	430		16.93	430	351					
	550		21.65	550	366					
	800		31.50	800	404					
1050		41.34	1050	410						
STA1602S410	350/118	38.3	16.14	410	505	25	460	60	28	3560
	1300/37	974				18.5				
	540		21.26	540	518					
	660		25.98	660	527					
	910		35.83	910	542					
1160		45.67	1160	551						
STA2002S410	400/152	40.6	16.14	410	549	40	460	60	47	3560
	1600/44	1032				30.0				
	540		21.26	540	562					
	660		25.98	660	571					
	910		35.83	910	587					
1160		45.67	1160	595						
STA2500S330	500/105	39.7	12.99	330	441	30	460	60	34	3560
	2000/28	1009				22.0				
	460		18.11	460	452					
	580		22.83	580	463					
	830		32.68	830	501					
1080		42.52	1080	507						

Dimensions in Inches / mm
Discharge port with NPT 2 inches available upon request.

*) Dimensions STA2000
**) Dimensions STA2500
***) Dimensions STA2002



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)

Construction

Pump body	cast iron
Cover	cast iron
Impeller	cast steel
Shaft	steel
Optional:	
Other materials	on request
Noise level (Motor only; Tolerance +3 dBA)	
STA1600	78 dBA
STA2000	79 dBA
STA1602...STA2500	82 dBA
Optional: Low noise version (-3 to -5 dBA)	

