

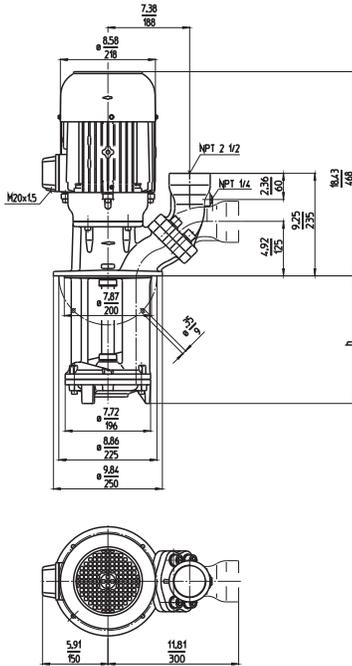
# Immersion Pumps

## STA630...1130

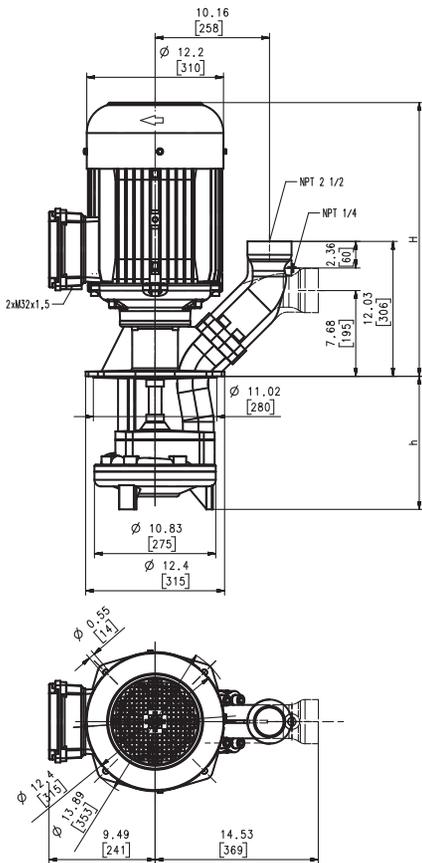
Semi-open impellers



### STA630, 830



### STA1130



Type	Flow at head	Height	Depth of immersion		Weight		Power	Voltage	Frequency	Current	Speed
	GPM /Feet l/min /m	H inch mm	h inch	h mm	Lbs	kg	HP kW	V	Hz	AMPS	RPM
<b>STA630S200</b>	175/60	21.0	7.87	200	147.7	67	7.7	230	60	19.0	3520
	600/20	533					5.75	460	60	9.5	3520
	300		11.81	300	154.4	70					
	430		16.93	430	163	74					
	550		21.65	550	174	79					
	750		29.53	750	196	89					
<b>STA830S210</b>	200/72	21.0	8.27	210	152.1	69	7.7	230	60	19.0	3520
	800/22	533					5.75	460	60	9.5	3520
	310		12.20	310	158.8	72					
	440		17.32	440	168	76					
	560		22.05	560	179	81					
	760		29.92	760	201	91					
<b>STA1130S300</b>	400/75	24.4	11.81	300	324	147	16.9	230	60	39.2	3560
	1400/24	620					12.6	460	60	19.6	3560
	430		16.93	430	329	149					
	550		21.65	550	344	156					
	800		31.50	800	381	173					
	1050		41.34	1050	388	176					

Discharge port with NPT 2 inches available upon request  
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 **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 mm<sup>2</sup>/s)
- Pumping temperature
  - 30...175 °F (0...80 °C)
  - higher temperatures upon request

**Construction**

Pump body	cast iron
Cover	cast iron
Impeller	cast steel
Shaft	steel
Optional:	
Suction cover	with threaded G 3 inlet (STA630...STA830) with threaded G 3 ½ inlet (STA1130)
Other materials	on request
Noise level (Motor only; Tolerance +3 dBA)	
STA630	73 dBA
STA830	74 dBA
STA1130	80 dBA
Optional: Low noise version (-3 to -5 dBA)	

