

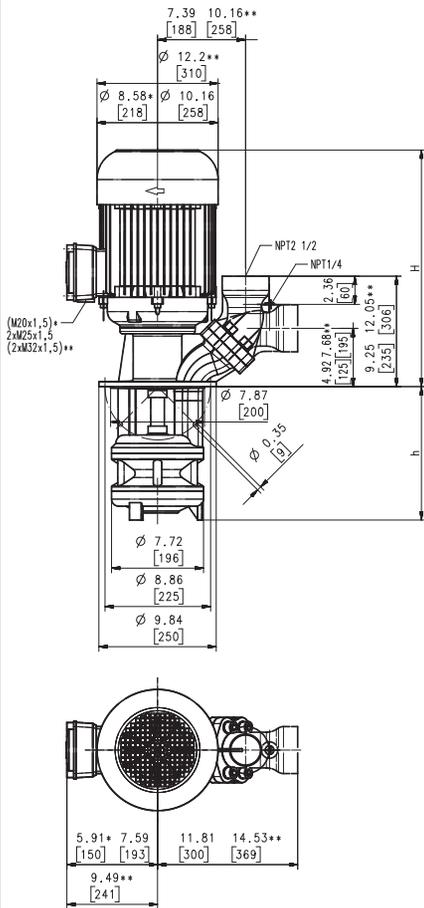
# Immersion Pumps

## STA901...904

Semi-open impellers



### STA901, 902 STA903...904



Discharge port with NPT 2 inches available upon request.

Dimensions in Inches / mm

\*) Dimensions STA901

\*\*) Dimensions STA904

Type	Flow at head		Height		Depth of immersion		Weight		Power HP kW	Voltage 3~ V	Fre- quen- cy Hz	Current Speed	
	GPM /Feet l/min /m	H inch mm	h inch mm	h mm	Lbs kg	HP kW	V	Hz				AMPS	RPM
<b>STA901S200</b>	175/42 700/11	19.8 503	7.87 200	134.5 61	5.1 3.8	230 460	60 60	12.8 6.4	3520 3520				
<b>300</b>			11.81 300	143.3 65									
<b>430</b>			16.93 430	149.9 68									
<b>550</b>			21.65 550	158.8 72									
<b>750</b>			29.53 750	187 85									
<b>980</b>			38.58 980	201 91									
<b>1100</b>			43.31 1100	209 95									
<b>STA902S270</b>	175/95 700/28	22.6 574	10.63 270	216 98	9.2 6.9	230 460	60 60	21.2 10.6	3550 3550				
<b>370</b>			14.57 370	225 102									
<b>500</b>			19.69 500	232 105									
<b>620</b>			24.41 620	238 108									
<b>820</b>			32.28 820	267 121									
<b>1050</b>			41.34 1050	280 127									
<b>1170</b>			46.06 1170	293 133									
<b>STA903S340</b>	175/145 700/42	24.1 612	13.39 340	262 119	13.8 10.3	230 460	60 60	31.6 15.8	3550 3550				
<b>440</b>			17.32 440	269 122									
<b>570</b>			22.44 570	278 126									
<b>690</b>			27.17 690	287 130									
<b>890</b>			35.04 890	315 143									
<b>1120</b>			44.09 1120	329 149									
<b>STA904S410</b>	175/190 700/55	24.4 620	16.14 410	331 150	16.9 12.6	230 460	60 60	39.2 19.6	3560 3560				
<b>510</b>			20.08 510	337 153									
<b>640</b>			25.20 640	346 157									
<b>760</b>			29.92 760	355 161									
<b>960</b>			37.80 960	388 176									
<b>1190</b>			46.85 1190	397 180									



**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
- Impellers cast steel
- Shaft steel
- Optional:
  - Suction cover with threaded G 3 inlet
  - Other materials on request
- Noise level (Motor only; Tolerance +3 dBA)
  - STA901 74 dBA
  - STA902...STA903 78 dBA
  - STA904 79 dBA

