

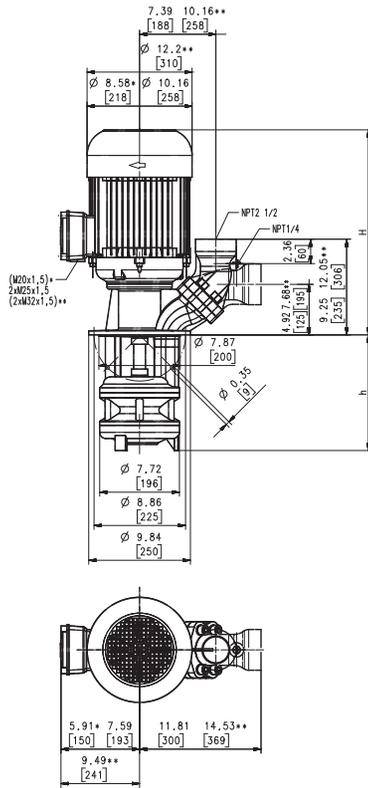
Immersion Pumps

STA1001...1006

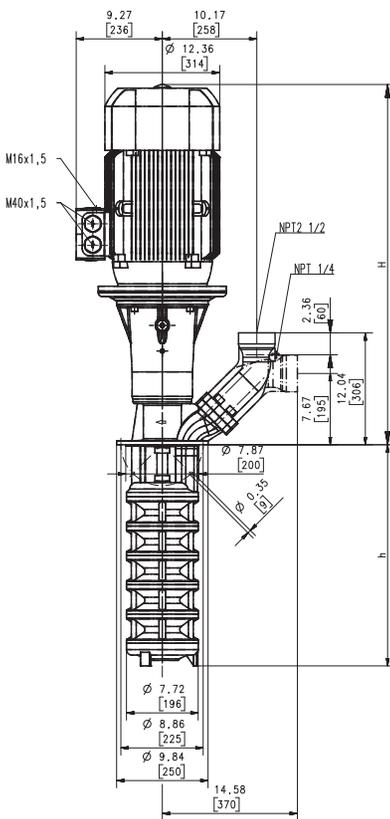
Semi-open impellers



STA1001...1004



STA1006



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
STA1001S210	200/40	19.8	8.27	210	134.5	61	5.1	230	60	12.8	3520
	800/11	503					3.8	460	60	6.4	3520
	310		12.20	310	141.1	64					
	440		17.32	440	152.1	69					
	560		22.05	560	161.0	73					
	760		29.92	760	187	85					
990		38.98	990	201	91						
1110		43.70	1110	209	95						
STA1002S290	200/75	22.6	11.42	290	218	99	9.2	230	60	21.2	3550
	800/22	574					6.9	460	60	10.6	3550
	390		15.35	390	225	102					
	520		20.47	520	234	106					
	640		25.20	640	243	110					
	840		33.07	840	269	122					
1070		42.13	1070	284	129						
1190		46.85	1190	293	133						
STA1003S370	200/115	24.1	14.57	370	267	121	13.8	230	60	31.6	3550
	800/33	612					10.3	460	60	15.8	3550
	470		18.50	470	273	124					
	600		23.62	600	282	128					
	720		28.35	720	291	132					
	920		36.22	920	320	145					
1150		45.28	1150	333	151						
STA1004S450	200/165	24.4	17.72	450	337	153	20.1	230	60	48.2	3560
	800/47	620					15.0	460	60	24.1	3560
	550		21.65	550	346	157					
	680		26.77	680	353	160					
	800		31.50	800	359	163					
	1000		39.37	1000	386	175					
1230		48.43	1230	392	178						
STA1006S610	200/265	38.3	24.02	610	445	202	25	230	60	28	3560
	800/76	974					18.5	460	60	28	3560
	710		27.95	710	454	206					
	840		33.07	840	465	211					
960		37.80	960	474	215						

Dimensions in Inches /mm
 *) Dimensions STA1001
 **) Dimensions STA1004
 Discharge port with NPT 2 inches available upon request.



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.

 All types are also available as suction immersion pumps with a connection to a vacuum filter on the suction side. See series STS.



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 (STA1001...STA1004) on request
Other materials	
Noise level (Motor only; Tolerance +3 dBA)	
STA1001	73 dBA
STA1002...STA1003	76 dBA
STA1004	79 dBA
STA1006	80 dBA
Optional: Low noise version (-3 to -5 dBA)	

