

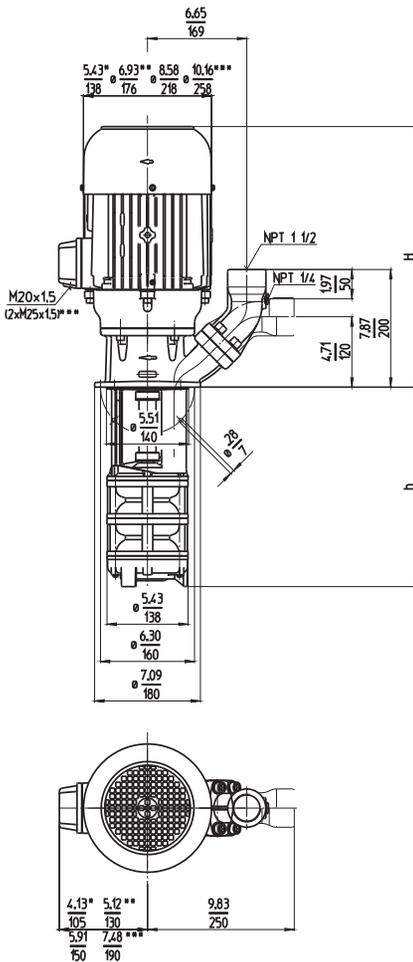
Immersion Pumps

STA601...608

Semi-open impellers



STA601...608



Dimensions in Inches / mm

- *) Dimensions STA601
- **) Dimensions STA602
- ***) Dimensions STA607, 608

Type	Flow at head		Height		Depth of immersion		Weight		Power HP kW	Voltage 3~ V	Fre- quen- cy Hz	Current Speed	
	GPM /Feet	H inch	h inch	h mm	Lbs	kg	AMPS	RPM					
STA601S130	100/18	14.2	5.12	130	50.7	23	1.7	230	60	4.8	3440		
210			8.27	210	52.9	24	1.27	460	60	2.4	3440		
280			11.02	280	55.1	25							
360			14.17	360	57.3	26							
450			17.72	450	59.5	27							
560			22.05	560	63.9	29							
760			29.92	760	77.2	35							
910			35.83	910	79.4	36							
STA602S200	100/44	17.3	7.68	195	86.0	39	3.4	230	60	8.8	3480		
280			10.83	275	88.2	40	2.55	460	60	4.4	3480		
350			13.58	345	90.4	41							
430			16.73	425	92.6	42							
520			20.28	515	97.0	44							
630			24.61	625	101.4	46							
830			32.48	825	116.9	53							
980			38.39	975	119.1	54							
STA603S260	100/60	18.8	10.24	260	116.9	53	5.1	230	60	12.8	3520		
340			13.39	340	119.1	54	3.8	460	60	6.4	3520		
410			16.14	410	121.3	55							
490			19.29	490	123.5	56							
580			22.83	580	127.9	58							
690			27.17	690	130.1	59							
890			35.04	890	145.5	66							
1040			40.94	1040	149.9	68							
STA604S330	100/88	20.0	12.80	325	136.7	62	7.7	230	60	19.0	3520		
410			15.94	405	138.9	63	5.75	460	60	9.5	3520		
480			18.70	475	143.3	65							
560			21.85	555	145.5	66							
650			25.39	645	147.7	67							
760			29.72	755	149.9	68							
960			37.60	955	165	75							
1110			43.50	1105	170	77							
STA605S390	100/110	20.0	15.35	390	143.3	65	8.4	230	60	20.8	3510		
470			18.50	470	145.5	66	6.3	460	60	10.4	3510		
540			21.26	540	147.7	67							
620			24.41	620	149.9	68							
710			27.95	710	154.4	70							
820			32.28	820	158.8	72							
1020			40.16	1020	172	78							
STA607S520	100/170	23.1	20.47	520	225	102	11.5	230	60	27.8	3550		
600			23.62	600	227	103	8.6	460	60	13.9	3550		
670			26.38	670	229	104							
750			29.53	750	234	106							
840			33.07	840	236	107							
950			37.40	950	240	109							
STA608S580	100/215	23.1	22.83	580	247	112	13.8	230	60	31.6	3550		
660			25.98	660	249	113	10.3	460	60	15.8	3550		
730			28.74	730	251	114							
810			31.89	810	254	115							
900			35.43	900	256	116							
1010			39.76	1010	262	119							



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 (SAE) 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	brass
Shaft	steel
Optional:	
Suction cover	with threaded G 2 inlet
Impellers	cast steel
Noise level (Motor only; Tolerance +3 dBA)	
STA601	66 dBA
STA602	69 dBA
STA603...STA605	73 dBA
STA607...STA608	77 dBA

