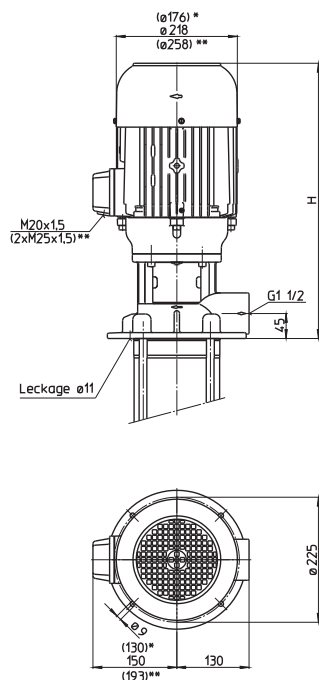
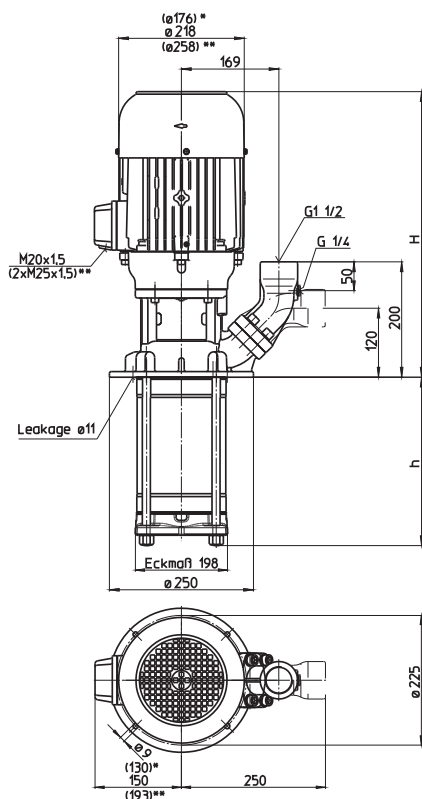


TH1102...1121



STH1102...1121



*) Dimensions for (S)TH1102...1107

**) Dimensions for (S)TH1111...1121

Type	Vol. del. at manom. del. head l/min / m	Height H mm	Depth of im- mersion h mm	Weight kg	Power kW	Voltage 3 ~ V	Fre- quency Hz	Rated current A	Speed 1/min
(S)TH1102A180	150/19	406	182	34	1.3	220-240 380-420	50 50	5.2 3.0	2850 2850
(S)TH1103A180	150/29	406	182	35	1.5	220-240 380-420	50 50	6.6 3.8	2850 2850
(S)TH1104A280	150/38		278	37					
(S)TH1105A280	150/48	431	278	41	1.9	220-240 380-420	50 50	8.5 4.9	2850 2850
(S)TH1106A280	150/58	431	278	42	2.2	220-240 380-420	50 50	9.2 5.3	2850 2850
(S)TH1107A310	150/67	441	310	44	2.6	220-240 380-420	50 50	10.9 6.3	2850 2850
(S)TH1108A380	150/78	496	374	55	3.3	220-240 380-420	50 50	13.8 8.0	2900 2900
(S)TH1109A380	150/88	496	374	58	4.0	220-240 380-420	50 50	16.5 9.5	2900 2900
(S)TH1110A470	150/98		470	60					
(S)TH1111A470	150/106	532	470	77	5.0	220-240 380-420	50 50	20.8 12.0	2900 2900
(S)TH1112A470	150/118			78					
(S)TH1113A500	150/128	532	502	79	5.5	220-240 380-420	50 50	22.0 12.5	2900 2900
(S)TH1114A570	150/138		566	81					
(S)TH1115A570	150/149	570	566	88	7.5	220-240 380-420	50 50	29 17	2900 2900
(S)TH1116A660	150/158		662	90					
(S)TH1117A660	150/168			91					
(S)TH1118A660	150/178			92					
(S)TH1119A760	150/188		758	93					
(S)TH1120A760	150/198			94					
(S)TH1121A760	150/206	620	758	109	10.0	220-240 380-420	50 50	40 23	2900 2900

Immersion pumps

Closed impellers

(S)TH11 - 50 Hz

Immersion Pumps

series TH and FH use **closed impellers** in order to minimize power consumption and to optimize hydraulic pump efficiencies. In addition, the TH series offers high pressures at short immersion depths. Inline pumps of the series FH can be used as **boosting pumps** if provided with positive inlet pressure. This inlet pressure can be provided by the central coolant supply or a feed pump. In such a setup, pumps of the series FH can raise the incoming pressure by up to 26 bar.

Extended length is possible. See mechanical/hydraulic features within the technical information section.

Applications

Types of fluid
water
coolants
cooling/cutting oils
Kinematic viscosity
...25 mm²/s (25 cSt)
Pumping temperature
0...80° C

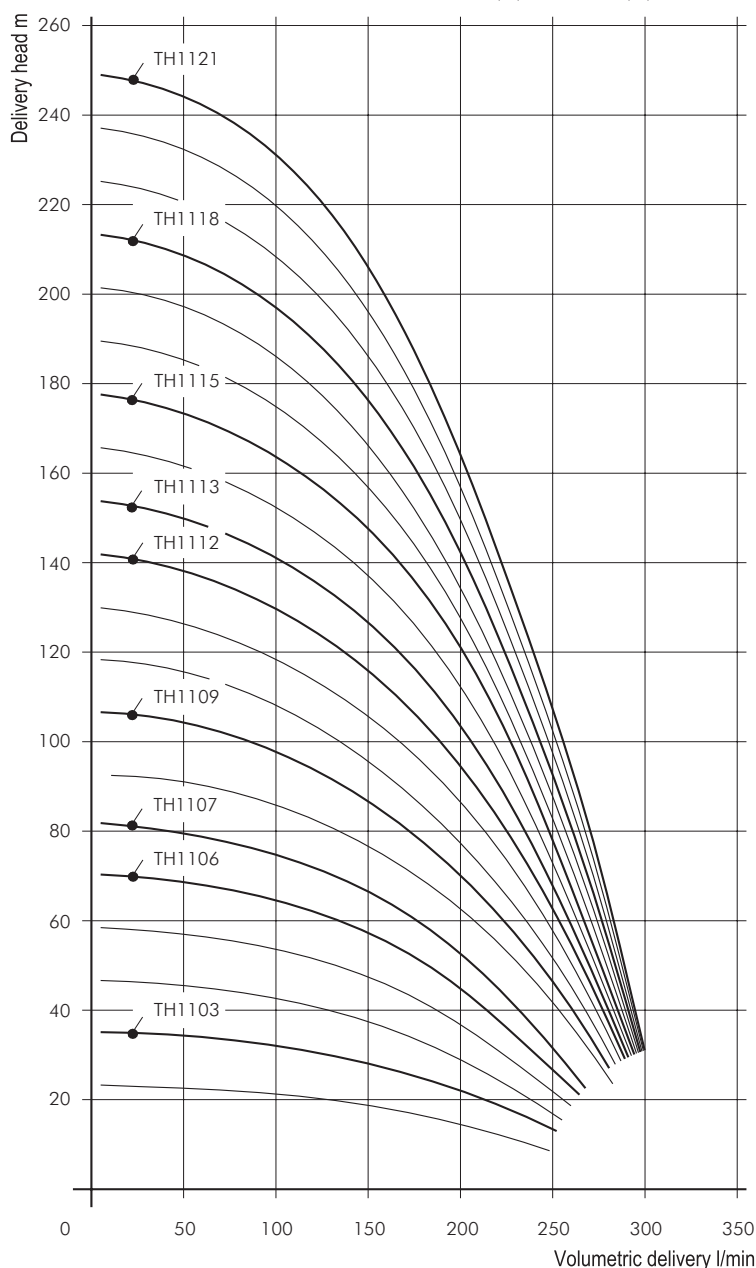
50 Hz

Construction

Pump body	cast iron
Cover	cast iron
Impellers	CrNi-steel
Shaft	CrNi-steel
Diffusers	CrNi-steel
Mechanical seal	SiC
O-rings	Viton

Optional:
Pole-changing motor 4 - 2 poles

Noise level
(S)TH1102...(S)TH1107 63 dBA
(S)TH1108...(S)TH1114 71 dBA
(S)TH1115...(S)TH1121 74 dBA



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