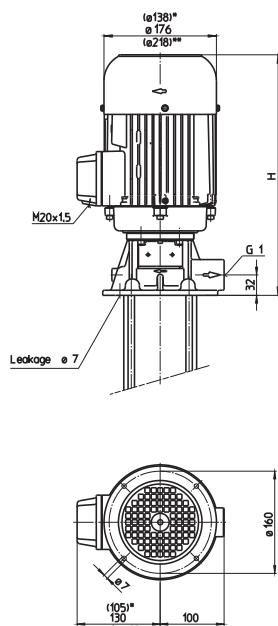
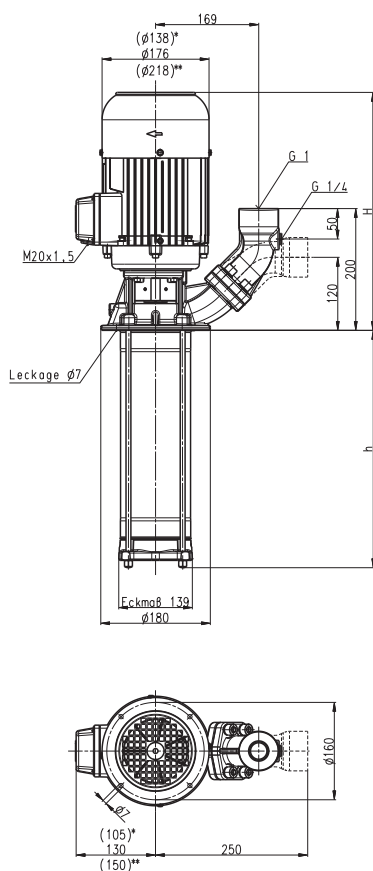


TH403...424



STH403...424



*) Dimensions for (S)TH403...(S)TH408

**) Dimensions for (S)TH419...(S)TH424

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)TH403B190	40/29	291	190	14.7	0.54	460	60	1.4	3300
(S)TH404B190	40/39	309	190	17.1	0.75	460	60	2.2	3300
(S)TH405B190	40/49			17.2					
(S)TH406B190	40/58	309	190	18.2	0.92	460	60	2.7	3300
(S)TH407B290	40/68	329	290	19.6	1.1	460	60	2.9	3300
(S)TH408B290	40/78			19.7					
(S)TH409B290	40/88	352	290	27	1.3	460	60	3	3400
(S)TH410B290	40/100	352	290	27.6	1.5	460	60	3.8	3400
(S)TH411B290	40/110	352	290	28.1	1.7	460	60	4.1	3400
(S)TH412B390	40/119		390	28.6					
(S)TH413B390	40/129	376	390	32.6	1.9	460	60	4.9	3400
(S)TH414B390	40/139	376	390	33.2	2.2	460	60	5.3	3400
(S)TH415B390	40/150			33.3					
(S)TH416B390	40/159	386	390	33.9	2.6	460	60	6.3	3400
(S)TH417B490	40/170		490	34.4					
(S)TH418B490	40/179			34.5					
(S)TH419B490	40/192	441	490	44.7	3.3	460	60	8	3450
(S)TH420B490	40/202			44.8					
(S)TH421B490	40/214			44.9					
(S)TH422B590	40/224		590	45.4					
(S)TH423B590	40/233			45.5					
(S)TH424B590	40/242	441	590	48	4.0	460	60	9.5	3450

Immersion pumps

Closed impellers

(S)TH4 - 60 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

60 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
Pump body	bronze
Cover	bronze
Noise level	
(S)TH403...(S)TH408	61 dBA
(S)TH409...(S)TH418	66 dBA
(S)TH419...(S)TH424	75 dBA

