

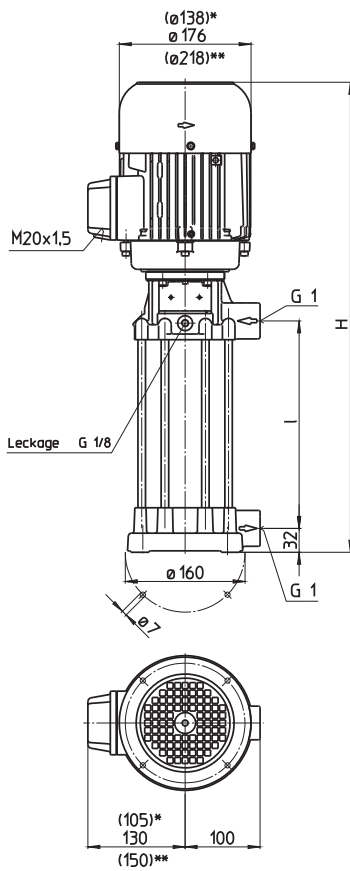
Pressure Boosting Pumps

FH4

Closed impellers



FH403...423



*) Dimensions for FH403...FH408

**) Dimensions for FH419...FH423

Type	Vol. del. at manom. del. head l/min /m	Height H mm	Length l mm	Weight kg	Power kW	Voltage 3~ V	Fre- quen- cy Hz	Current A	Speed 1/min
FH403B19	40/29	488	197	17.9	0.54	460	60	1.4	3300
FH404B19	40/39	529	197	20.2	0.86	460	60	1.85	3440
FH405B19	40/49			20.3					
FH406B29	40/58	629	297	21.2	1.06	460	60	2.1	3440
FH407B29	40/68	656	297	22.4	1.27	460	60	2.4	3440
FH408B29	40/78			22.5					
FH409B29	40/88	678	297	30	1.49	460	60	2.7	3500
FH410B29	40/100	678	297	30.2	1.75	460	60	3.1	3470
FH411B39	40/110	804	397	32.4	1.95	460	60	3.5	3480
FH412B39	40/119			33.0					
FH413B39	40/129	836	397	38	2.18	460	60	3.9	3500
FH414B39	40/139	836	397	38.5	2.55	460	60	4.4	3480
FH415B39	40/150			38.6					
FH416B49	40/159	936	497	39.0	2.94	460	60	5.1	3480
FH417B49	40/170			39.1					
FH418B49	40/179			39.2					
FH419B49	40/192	929	497	50.9	3.8	460	60	6.4	3520
FH420B49	40/202			51.0					
FH421B59	40/214	1029	597	51.1					
FH422B59	40/224			51.3					
FH423B59	40/233	1029	597	55.5	4.55	460	60	7.9	3520

Pressure Boosting 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.

A **frequency converter** can be supplied for **special applications** or for matching the pump characteristic to a specific duty point.

See page "Control/Regulation" in the Technical Information section of this catalog for further information.

Applications

- Types of fluid
 - Industry water
 - coolants
 - cooling/cutting oils
- Kinematic viscosity
 - 1 mm²/s (1 cSt)
 - higher viscosity upon request
- Pumping temperature
 - 0...80° C

Construction

Pump body	cast iron
Cover	cast iron
Impellers	CrNi-steel
Shaft	CrNi-steel
Diffusers	CrNi-steel
Mechanical seal	SiC
O-rings	Viton
Optional:	
Pump body	bronze
Cover	bronze
Noise level	
FH403...FH408	61 dBA
FH409...FH418	66 dBA
FH419...FH423	75 dBA

