

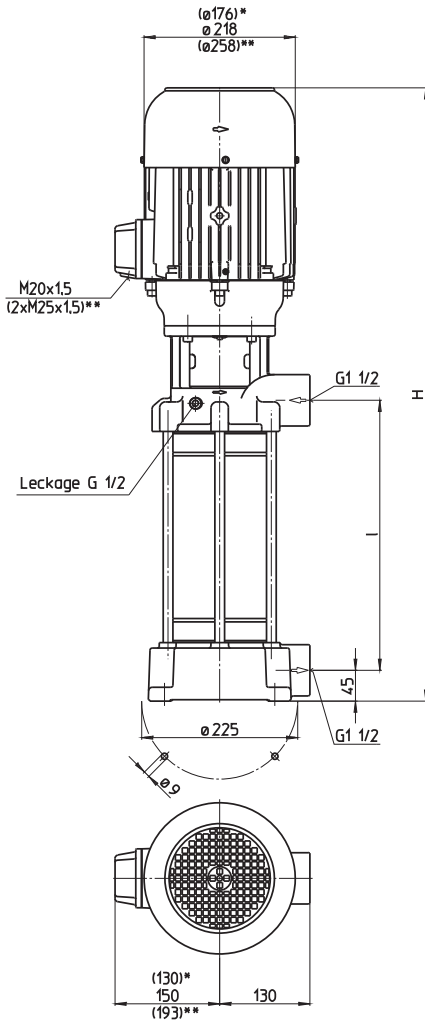
Pressure Boosting Pumps

FH11

Closed impellers



FH1102...1115



*) Dimensions for FH1102...1104
 **) Dimensions for FH1110...1115

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
FH1102B18	150/30	643	212	39	1.49	460	60	2.7	3500
FH1103B18	150/45	702	212	46	2.18	460	60	3.9	3500
FH1104B28	150/59	798	308	47	2.94	460	60	5.1	3480
FH1105B28	150/77	837	308	60	3.8	460	60	6.4	3520
FH1106B28	150/90	837	308	62	4.55	460	60	7.9	3520
FH1107B31	150/106	899	340	67	5.75	460	60	9.5	3520
FH1108B38	150/121	963	404	69					
FH1109B38	150/138	963	404	71	6.3	460	60	10.4	3510
FH1110B47	150/152	1136	500	102	8.6	460	60	13.7	3550
FH1111B47	150/166			103					
FH1112B47	150/180			104					
FH1113B50	150/198	1168	532	112	10.3	460	60	15.8	3550
FH1114B57	150/212	1232	596	113					
FH1115B57	150/230			114					



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
 - ...25 mm²/s (25 cSt)
- 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
Noise level	
FH1102...FH1104	66 dBA
FH1105...FH1109	74 dBA
FH1110...FH1115	77 dBA

