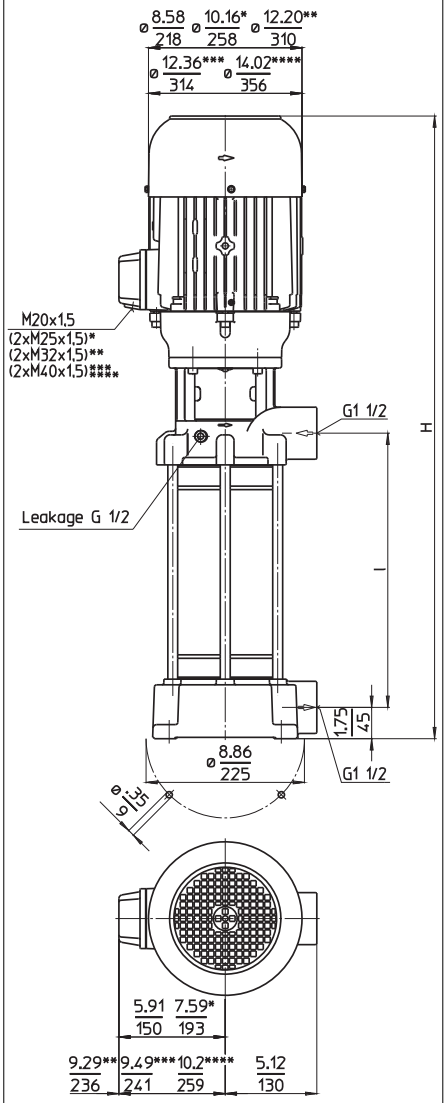
Pressure Boosting Pumps
FH17

Closed impellers

60 Hz

FH1702...1711



Dimensions in Inches / mm
*) Dimensions for FH1704...1705
**) Dimensions for FH1706...1708
***) Dimensions for FH1709
****) Dimensions for FH1710...1711

Type	Flow at head GPM / Feet *l/min / m*	Height H inch *mm*	Length l Inch	*l mm*	Weight Lbs	*kg*	Power HP *kW*	Voltage 3 ~ V	Frequency Hz	Current AMPS	Speed RPM
FH1702S18	75/120	29.2	8.3	*212*	132.3	*60*	5.1	230	60	12.8	3520
	300/37	*741*					*3.8*	460	60	6.4	3520
FH1703S28	75/180	34.1	12.1	*308*	145.5	*66*	7.7	230	60	19.0	3520
	300/58	*867*					*5.75*	460	60	9.5	3520
FH1704S28	75/260	37.1	12.1	*308*	201	*91*	11.5	230	60	27.8	3550
	300/80	*943*					*8.6*	460	60	13.9	3550
FH1705S38	75/330	40.9	15.9	*404*	265	*120*	13.8	230	60	31.6	3550
	300/99	*1040*					*10.3*	460	60	15.8	3550
FH1706S38	75/410	41.3	15.9	*404*	271	*123*	16.9	230	60	39.2	3560
	300/118	*1048*					*12.6*	460	60	19.6	3560
FH1707S47	75/470	45.0	19.7	*500*	278	*126*	20.1	230	60	48.2	3560
	300/140	*1144*					*15.0*	460	60	24.1	3560
FH1708S47	75/530				282	*128*					
	300/160										
FH1709S57	75/600	63.2	23.5	*596*	340	*154*	25	460	60	28	3560
	300/180	*1605*					*18.5*				
FH1710S57	75/660	64.1	23.5	*596*	381	*173*	30	460	60	34	3560
	300/200	*1629*					*22.0*				
FH1711S66	75/730	67.9	27.2	*692*	386	*175*					
	300/219	*1725*									

60 Hz

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 375 PSI (26 bar).
A frequency alternator 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
- ...115 SSU (...25 mm²/s)

Pumping temperature
- 30...175 °F (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 (Motor only; Tolerance +3 dBA)

FH1702...FH1703	74 dBA
FH1704...FH1705	77 dBA
FH1706...FH1708	79 dBA
FH1709	81 dBA
FH1710...FH1711	84 dBA