

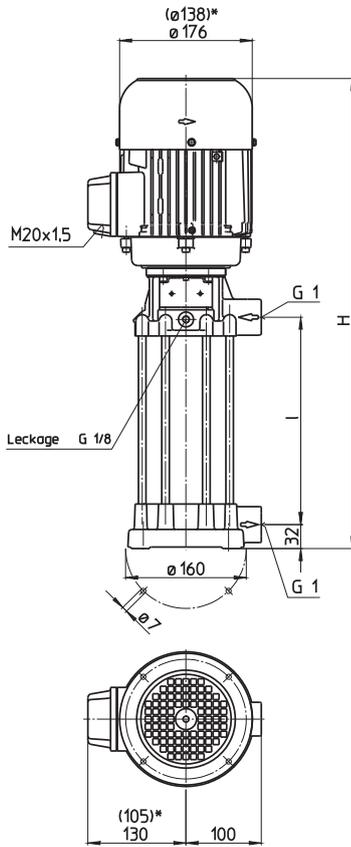
# Pressure Boosting Pumps

## FH2

### Closed impellers

60 Hz

#### FH203...230



\*) Dimensions for FH203...FH215

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
<b>FH203B19</b>	20/25	488	197	17.4	0.55	460	60	1.14	3405
<b>FH204B19</b>	20/30			17.5					
<b>FH205B19</b>	20/40			17.9					
<b>FH206B29</b>	20/50	588	297	18.4	0.725	460	60	1.46	3425
<b>FH207B29</b>	20/57	629	297	21.2					
<b>FH208B29</b>	20/64			21.3					
<b>FH209B29</b>	20/74	629	297	22.2	0.86	460	60	1.85	3440
<b>FH210B29</b>	20/81	629	297	23.3					
<b>FH211B39</b>	20/90	729	397	24.0					
<b>FH212B39</b>	20/98			24.1	1.06	460	60	2.1	3440
<b>FH213B39</b>	20/106			24.2					
<b>FH214B39</b>	20/113	756	397	25.4					
<b>FH215B39</b>	20/119			25.5	1.27	460	60	2.4	3440
<b>FH216B49</b>	20/127	878	497	31					
<b>FH217B49</b>	20/136	878	497	33.2					
<b>FH218B49</b>	20/146			33.3	1.75	460	60	3.1	3470
<b>FH219B49</b>	20/156			33.4					
<b>FH220B49</b>	20/164	904	497	35.5					
<b>FH221B59</b>	20/172	1004	597	36.5	1.95	460	60	3.5	3480
<b>FH222B59</b>	20/182	1036	597	40.4					
<b>FH223B59</b>	20/191			40.5					
<b>FH224B59</b>	20/200	1036	597	41.2	2.18	460	60	3.9	3500
<b>FH225B59</b>	20/208			41.4					
<b>FH226B69</b>	20/216	1136	697	42.0					
<b>FH227B69</b>	20/224			42.1	2.55	460	60	4.4	3480
<b>FH228B69</b>	20/231	1136	697	43.1					
<b>FH229B69</b>	20/238			43.3					
<b>FH230B69</b>	20/245			43.5	2.94	460	60	5.1	3480

**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 mm<sup>2</sup>/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	
FH203...FH215	61 dBA
FH216...FH230	66 dBA

