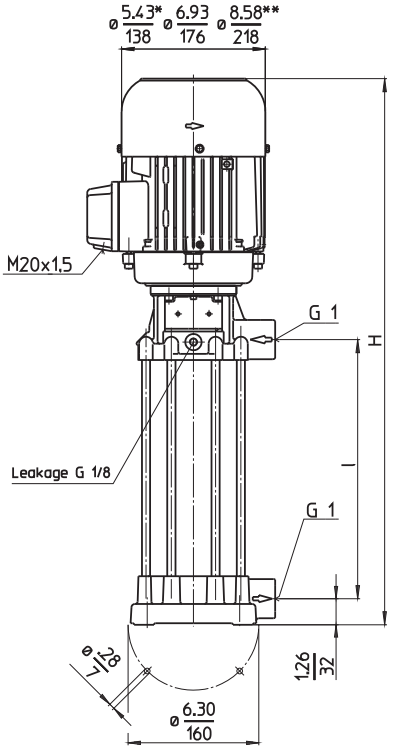
Pressure Boosting Pumps
FH6

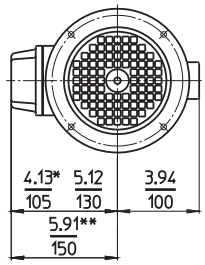
Closed impellers

BRINKMANN PUMPS

60 Hz

FH603...624





Dimensions in Inches / mm
*) Dimensions FH603...FH605
**) Dimensions FH612...FH624

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
FH603S19	20/95	20.8	7.8	*197*	43.9	*19.9*	1.15	230	60	3.70	3440
	80/28	*529*					*0.86*	460	60	1.85	3440
FH604S19	20/120	20.8	7.8	*197*	46.3	*21*	1.4	230	60	4.2	3440
	80/38	*529*					*1.06*	460	60	2.1	3440
FH605S24	20/150	23.9	9.7	*247*	48.5	*22*	1.7	230	60	4.8	3440
	80/48	*606*					*1.27*	460	60	2.4	3440
FH606S24	20/185	24.7	9.7	*247*	61.7	*28*	2.3	230	60	6.2	3470
	80/58	*628*					*1.75*	460	60	3.1	3470
FH607S29	20/220	27.7	11.7	*297*	70.6	*32*	2.6	230	60	7.0	3480
	80/68	*704*					*1.95*	460	60	3.5	3480
FH608S29	20/255	29.0	11.7	*297*	77.2	*35*	2.9	230	60	7.8	3500
	80/78	*736*					*2.18*	460	60	3.9	3500
FH609S34	20/285	30.9	13.7	*347*	83.8	*38*	3.4	230	60	8.8	3480
	80/88	*786*					*2.55*	460	60	4.4	3480
FH610S34	20/330	30.9	13.7	*347*	86.0	*39.0*	3.9	230	60	10.2	3480
	80/98	*786*					*2.94*	460	60	5.1	3480
FH611S39	20/358	32.9	15.6	*397*	87.3	*39.6*					
	80/108	*836*									
FH612S39	20/395	32.6	15.6	*397*	115.3	*52.3*	4.6	230	60	12	3520
	80/118	*829*					*3.45*	460	60	6	3520
FH613S49	20/420	36.6	19.6	*497*	117.3	*53.2*	5.1	230	60	12.8	3520
	80/128	*929*					*3.8*	460	60	6.4	3520
FH614S49	20/455				118.0	*53.5*					
	80/139										
FH615S49	20/490	36.6	19.6	*497*	122.6	*55.6*	6.1	230	60	15.8	3520
	80/149	*929*					*4.55*	460	60	7.9	3520
FH616S49	20/520				123.0	*55.8*					
	80/159										
FH617S59	20/555	40.5	23.5	*597*	124.1	*56.3*					
	80/168	*1029*									
FH618S59	20/580	41.7	23.5	*597*	133.0	*60.3*	7.7	230	60	19.0	3520
	80/178	*1059*					*5.75*	460	60	9.5	3520
FH619S59	20/615				133.2	*60.4*					
	80/188										
FH620S59	20/645				133.4	*60.5*					
	80/198										
FH621S69	20/675	45.6	27.4	*697*	134.9	*61.2*					
	80/206	*1159*									
FH622S69	20/705				135.2	*61.3*					
	80/214										
FH623S69	20/735	45.6	27.4	*697*	142.2	*64.5*	8.4	230	60	20.8	3510
	80/222	*1159*					*6.3*	460	60	10.4	3510
FH624S69	20/765				142.7	*64.7*					
	80/232										

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
- 4.6 SSU (1 mm²/s)
- higher viscosity upon request

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 ®

Optional:

Pump body	bronze
Cover	bronze

Noise level (Motor only; Tolerance +3 dBA)

FH603...FH605	61 dBA
FH606...FH611	66 dBA
FH612...FH624	75 dBA