

INTELLIMASTER

VARIABLE SPEED DOMESTIC PRESSURE RANGE HORIZONTAL MULTISTAGE PUMP



FEATURES

- Stainless Steel Horizontal Multistage - single phase pump with variable speed drive
- *304 Stainless Steel Wet End
- Large LCD Display
- Adjustable Pressure set point
- 16 Bar Transducer
- Pressure Gauge
- Stainless steel five-way tee with inbuilt non-return valve
- Max. head - 58m
- Max. flow - 270lpm

PUMP INFORMATION

- Horizontal, multistage, surface mounted pump with closed impellers for pumping debris free water, integrated with a cool running Totally Enclosed Fan Cooled motor with inbuilt thermal overload.

APPLICATIONS

- Domestic pressure system.
- Pressure boosting.
- Irrigation and garden water supply.
- Water transfer

OPERATING CONDITIONS

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

Fluid:	Water
Maximum Water Temperature:	40°C
Minimum Water Temperature:	1°C
Maximum Ambient Temperature:	40°C
Maximum Working Pressure:	700kPa

SCOPE OF SUPPLY

Intellimaster Kits (IMH750K, IMH1100K & IMH2200K)

Pump with variable frequency drive, five-way tee, pressure transducer and 8 litre pressure tank.

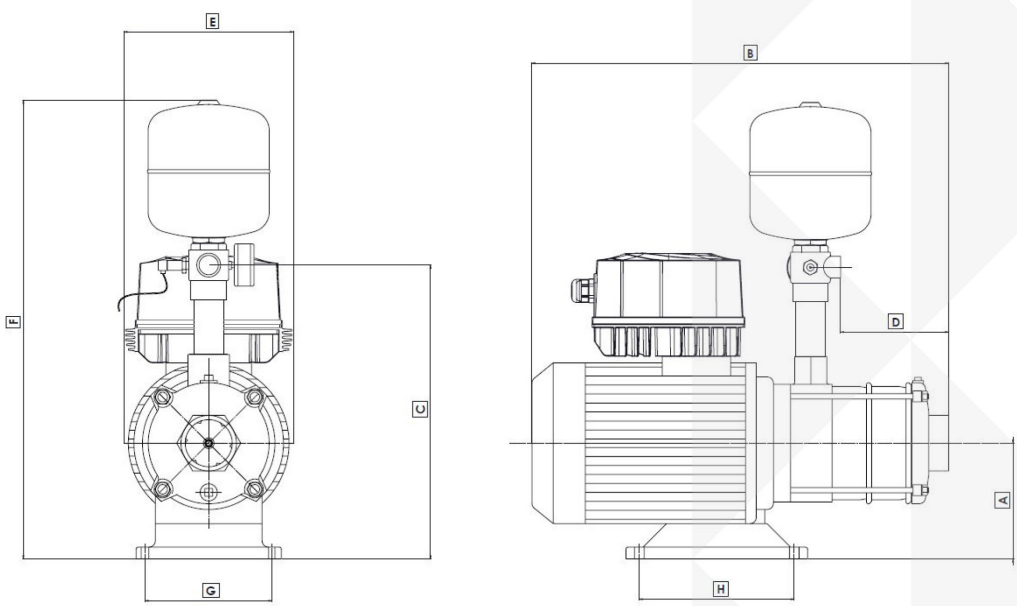
INTELLIMASTER - Technical Data

ENGINE DATA

Type	Voltage ± 10%	Frequency Hz ±3%	Motor rating kW		Nominal RPM	Full current	Motor protection	Insulation class	IP rating
			P1	P2					
IMH750	220-240 1Ph	50	0.969	0.75	2890	3.1 A	Inbuilt	F	IP55
IMH1100	220-240 1Ph	50	1.382	1.1	2890	4.4 A	Inbuilt	F	IP55
IMH2200	220-240 1Ph	50	2.644	2.2	2890	8.2 A	Inbuilt	F	IP55

DIMENSIONS

Pump	Weight appro.	Packed L x W x H (mm)	Packed weight	Pump inlet	Pump outlet	No. of stages
IMH750	19 kg	520 x 320 x 400	20.5 kg	1" BSP (Female)	1" BSP (Female)	6
IMH1100	19 kg	520x 320 x 400	20.5 kg	1 1/4" BSP (Female)	1" BSP (Female)	6
IM2200	28 kg	520 x 320 x 400	30 kg	1 1/2" BSP (Female)	1 1/4" BSP (Female)	5



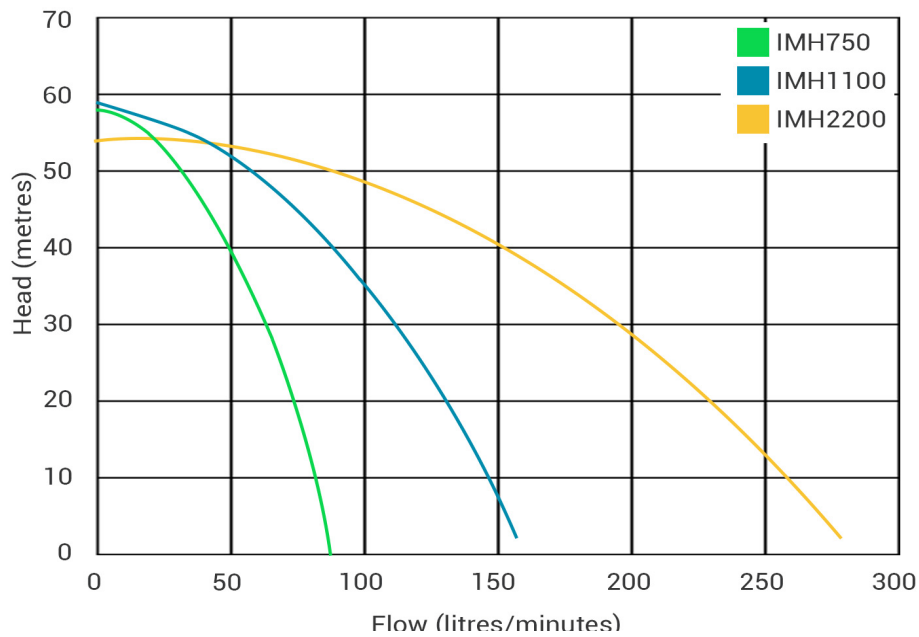
Type	A	B	C	D	E	F	G	H
IMH750	110 mm	422 mm	280 mm	110 mm	200 mm	575 mm	108 mm	138 mm
IMH1100	108 mm	482 mm	285 mm	168 mm	180 mm	582 mm	108 mm	138 mm
IMH2200	118 mm	520 mm	270 mm	155 mm	198 mm	564 mm	108 mm	138 mm

PERFORMANCE

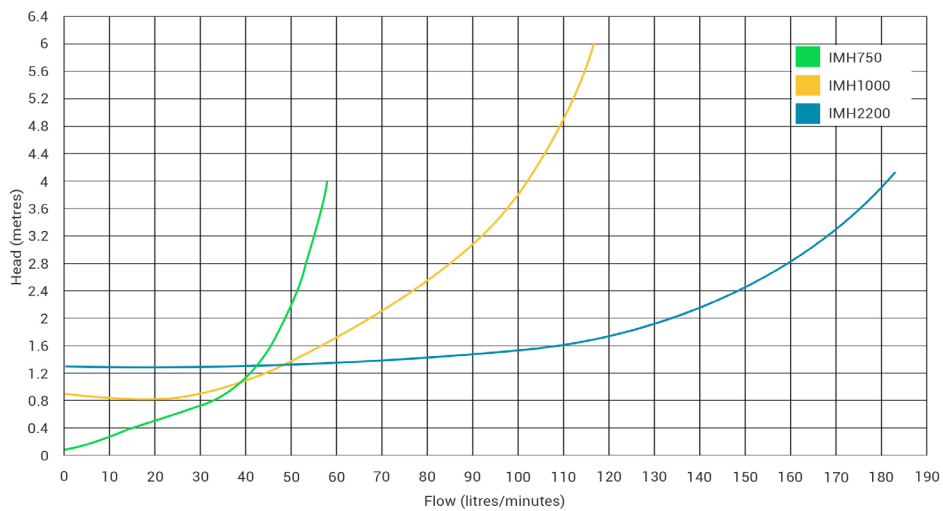
Type	Delivery head (m)	10	15	20	25	30	35	40	45	50	55	60
IMH750	Capacity (litres per minute)	80	76	72	66	61	55	48	42	32	20	-
IMH1100	Capacity (litres per minute)	148	140	132	122	113	102	90	72	60	31	-
IM2200	Capacity (litres per minute)	258	240	230	220	202	180	165	140	95	-	-

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PERFORMANCE CURVE



NSPH CURVES



PUMP CONSTRUCTION MATERIALS			
Component	Material	Component	Material
Pump body casing	304 Stainless Steel	Seal rotating face	M106K impregnated furan resin
Check valve (5 way tee)	AISI304	Base	AISI1015
Bushing	304 Stainless Steel	Motor shaft	304 Stainless Steel
Impeller	304 Stainless Steel	O'Rings	NBR
Diffuser	304 Stainless Steel	Bearings	304 Stainless Steel by NSK

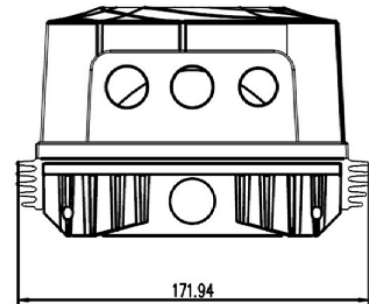
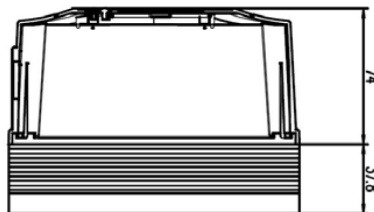
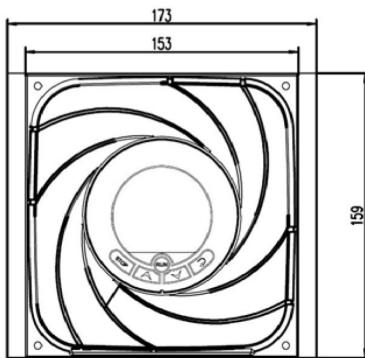
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LCD DISPLAY

- Power frequency: 50-60Hz (+/-2%)
- Storing temperature: -30 to 70°C
- Min amb temperature of rated current: -10°C
- Max amb temperature of rated current = 40°C
- Grade of protection: IP55
- Class = C1
- 3 colour status indication on LCD
(Blue: in-operation, Purple: stopped, Red: alarm).



VSD FOR IMH1100 & IMH2200



VSD FOR IMH750

