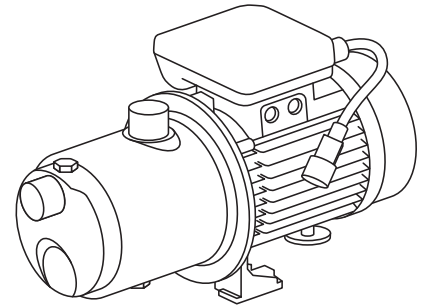


HORIZONTAL MULTISTAGE PUMP SPEC SHEET



COMPATIBLE VADA PRODUCTS:



Vada Flow Boss
Automatic Pressure Control
VFB-APC



Vada Flow Boss
Digital Water Switching Unit
VFB-DSU

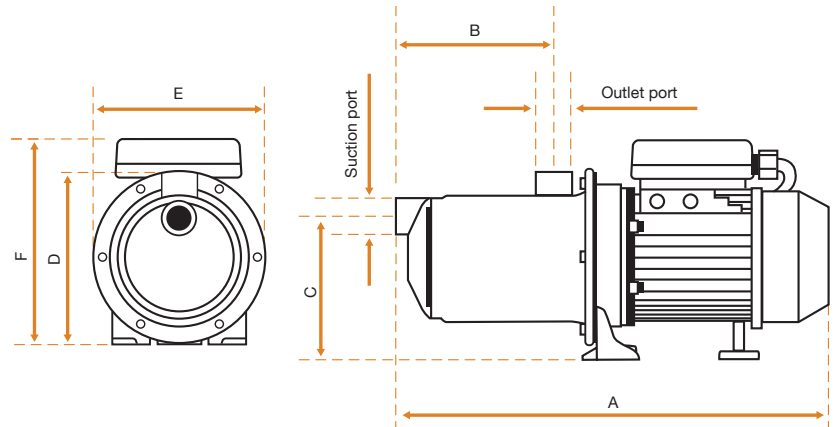


Vada Flow Boss
Mechanical Water Switching
Unit 20mm
VFB-MSU20

Note: if you use the Vada Flow Boss Mechanical Water Switching Unit, you must use the Vada Flow Boss Automatic Pressure Control VFB-APC.

PRODUCT DIMENSIONS:

- A. 422mm
 - B. 162mm
 - C. 129mm
 - D. 180mm
 - E. 177mm
 - F. 207mm
- Outlet port: 25mm FI
 Suction port: 25mm FI
 Weight: 9.7kg



APPLICATIONS:

The Vada Flow Boss Horizontal Multistage Pump VFB-HM110 is suitable for the following applications:



Water source switching (tank/main)	Domestic pressure systems	Water transfer (clean water only)	Irrigation systems
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The Vada Flow Boss Horizontal Multistage Pump VFB-HM110 is not suitable for the following applications:



Drainage of stormwater pits	Pumping of blackwater (wastewater with toilet discharge)	Pumping liquids containing long fibrous materials	Pumping aggressive or inflammable liquids	Pumping liquid containing abrasive solids (stones, ceramics etc.)
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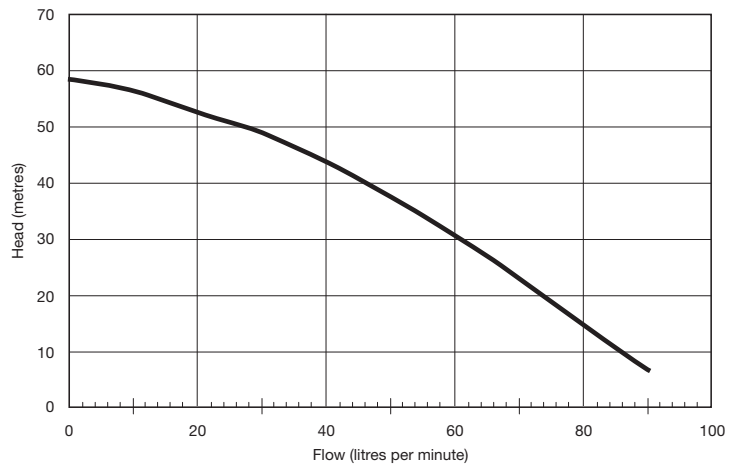
VFB-HM110

PUMP PERFORMANCE CURVE

Pump curves are a great tool to understand your pumps performance capabilities. In relation to head (metres) and flow (litres per minute). Pump curves can be interpreted by tracing your finger along the head (metres) across to flow (litres per minute).

For example, in this pump performance curve, you can see that if the Horizontal Multistage Pump VFB-HM110 has a discharge head between 33–44 metres, then the pump will produce 40–60 l/min.

Note: The curve above represents the pump with the VFB-APC.



CONSTRUCTION	
Pump casing	X5 CrNi 1810 (AISI 304) stainless steel
Motor Casing	Die-cast aluminium
Impeller	Fibreglass Reinforced PPO
Diffuser	Fibreglass Reinforced PPO
Shaft	X12 CrNiS 1809 (AISI 416) stainless steel
Mechanical seal	Carbon Graphite/NBR/AISI 304 SS
Counter face	Ceramic
Seal holder plate	Fibreglass Reinforced PPO
O-ring	Nitrile Butadiene Rubber 70

USAGE LIMITATIONS	
Liquid type	Clean water with no suspended solids or abrasive material
Max. liquid temp	50°C
Max. ambient temp	40°C
Min. ambient temp	0°C
Max. recommended suction height	8m
Max operating pressure	800kPa / 8 bar

MOTOR	
IP Rating	IP55 (motor)
Speed of rotation	2850rpm (motor)
Insulation	Class F (motor)
Enclosed, externally ventilated	
Capacitor permanently activated	
Thermal protection built into the motor winding	
Suitable for continuous use	

POWER		
Nominal power	HP	0.94
	kW	0.70
Absorbed power	HP	1.27
	kW	0.95
Voltage	1~230–240V 50Hz	
Full load amps	4.3	
µF	16	

Q	L/1'	10	20	30	40	50
	m3/h	0.6	1.2	1.8	2.4	3
Discharge in meters		42.5	39.5	35.5	31	25.5

AS/NZS 4020 compliance.