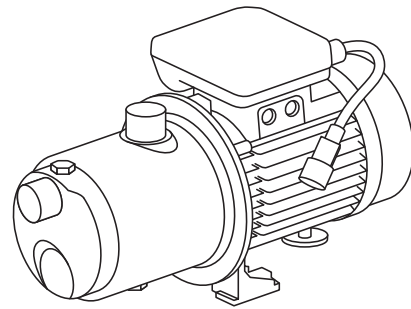


HORIZONTAL MULTISTAGE PUMP SPEC SHEET



COMPATIBLE VADA PRODUCTS:



Vada Flow Boss
 Automatic Pressure Control
 VFB-APC



Vada Flow Boss
 Digital Water Switching Unit
 VFB-DSU

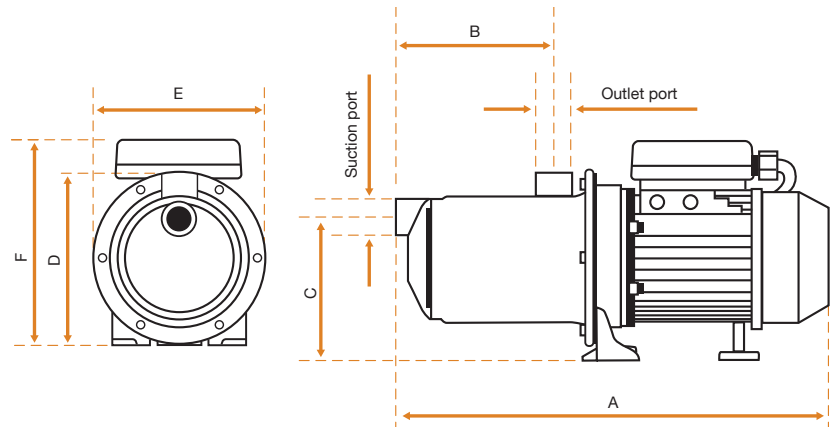


Vada Flow Boss
 Mechanical Water Switching
 Unit 20mm
 VFB-MSU20

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. 380mm
 - B. 139mm
 - C. 129mm
 - D. 180mm
 - E. 177mm
 - F. 199mm
- Outlet port: 25mm FI
 Suction port: 25mm FI
 Weight: 7.6kg




APPLICATIONS:

The Vada Flow Boss Horizontal Multistage Pump VFB-HM80 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-HM80 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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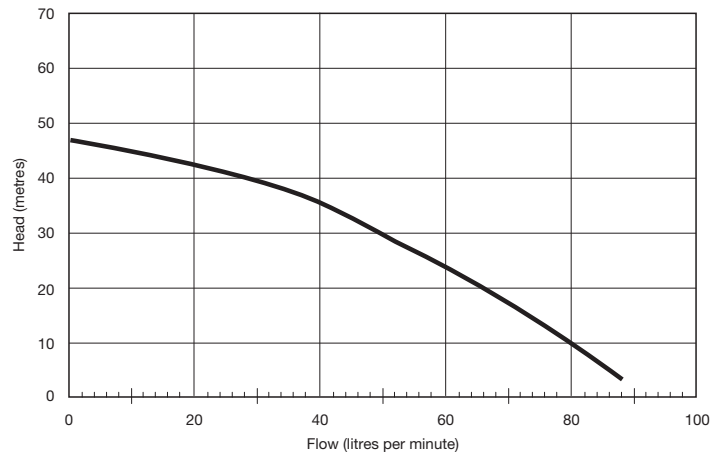


PUMP PERFORMANCE CURVE

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 below, you can see that if the Horizontal Multistage Pump VFB-HM80 has a discharge head between 28–37 metres, then the pump will produce 34–50 l/min.

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



SPECIFICATIONS	
Fluid	Water
Min – Max Liquid Temperature	1°C - 50°C
Min – Max Ambient Temperature	1°C - 40°C

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
Maximum Flow Rate	80 litres per minute
Max operating pressure	6 Bar
IP Rating	IP44
Insulation Class	F
Warranty	2 years
Standards	AS/NZ 4020

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	

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/NBR
Seal holder plate	Fibreglass Reinforced PPO
O-ring	Nitrile Butadiene Rubber 70

POWER		
Nominal power	HP	0.68
	kW	0.51
Absorbed power	HP	1.00
	kW	0.75
Voltage	1~230–240V 50Hz	
Full load amps	3.4	
µF	12.5	

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