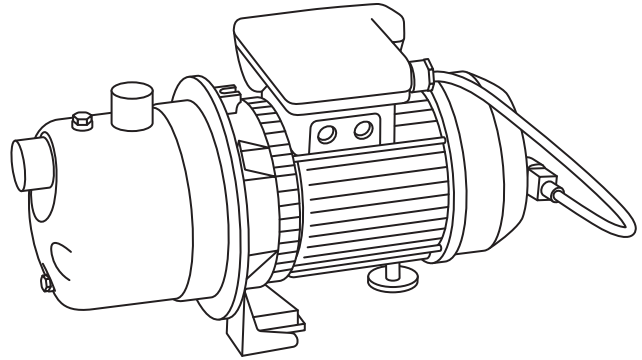
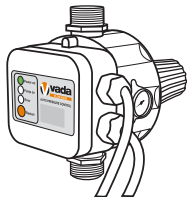


JET PUMP SPEC SHEET



COMPATIBLE VADA PRODUCTS:



□ Vada Flow Boss
Automatic Pressure Control
VFB-APC



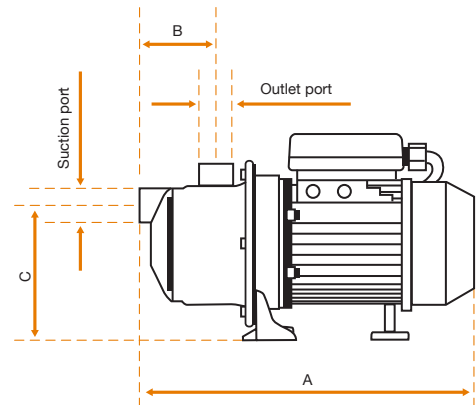
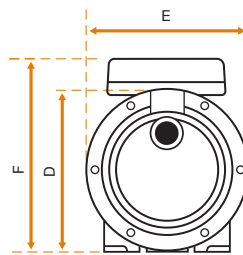
□ Vada Flow Boss
Digital Water Switching Unit
VFB-DSU



□ Vada Flow Boss
Mechanical Water Switching
Unit 25mm
VFB-MSU20

PRODUCT DIMENSIONS:

- A. 425mm
 - B. 98mm
 - C. 158mm
 - D. 214mm
 - E. 218mm
 - F. 230mm
- Outlet port: 25mm FI
Suction port: 32mm FI
Weight: 14kg



APPLICATIONS:

The Vada Flow Boss Jet Pump VFB-J90 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 Jet Pump VFB-J49 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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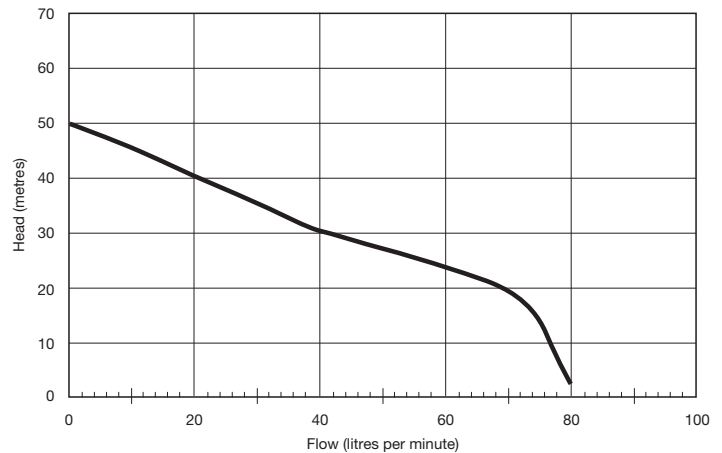


PUMP PERFORMANCE CURVE

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 Jet Pump VFB-J90 has a discharge head between 24-31 metres, then the pump will produce 40-60 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	7.6m with foot valve
Max operating pressure	600kPa / 6 bar

MOTOR	
IP rating	IP44 (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	Technopolymer with stainless steel shim ring
Jet and venturi assembly	Technopolymer
Shaft	X12 CrNiS 1809 (AISI 416) stainless steel
Mechanical seal	Graphite
Counter face	Ceramic
Seal holder plate	Stainless steel technopolymer
O-ring	NBR 70 shore

POWER		
Nominal power	HP	1.21
	kW	0.90
Absorbed power	HP	1.80
	kW	1.35
Voltage	1~230–240V 50Hz	
Full load amps	6	
µF	25	

Q	L/1'	0	10	20	30	40	50
	m3/h	0	0.6	1.2	1.8	2.4	3
Discharge in meters		51	43	38	36	34	33