

SUMMIT SERIES VERTICAL MULTISTAGE
DRIVE KIT

BIA-1VMS3/8M-DRIVE • 812391

# TECHNICAL DATA



RATED FLOW [M3/H]	2m3/hr	
MAX FLOW	3.5m3/hr	
MAX HEAD	85.3M	
OPTIMUM OPERATING RANGE	1.2m3/hr @ 79.9m 31.7% eff	
	2.5m3/hr @ 68.9m 46.2% eff	
WORKING AIR TEMP	0°C - 40°C	
LIQUID TEMPERATURE	-15°C - 120°C	
HIGHEST EFFICIANCY	51.1%	
MAXIMUM PUMP PRESSURE	33 bar	
NET WEIGHT (KG)	25kg	

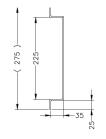
RATED VOLTAGE/CURRENT	Single phase 230V +10% - 6%
RATED CURRENT	3.99 amps
POWER (KW)	1.1kW 2 pole
CAPACITOR	25uF
MOTOR IP RATING	IP55
MOTOR INSULATION	Class F
MOTOR EFFICIENCY STD	I.E.3
MOTOR EFFICIENCY	82.7%
cos Ø	0.83
MECHANICAL SEAL	AS-L-12
OUTLET DIN FLANGE	DN25

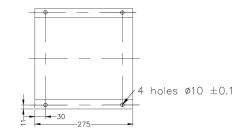
### INCLUDES

- VMS Pump
- NXT Drive (Variable Frequency Drive)
- Counter Flange (In DN25 to DN65)
- Fiber Gaskets to suit counter flanges
- Watermarked Spring Check Valve
- Manifold (304 Stainless Steel)
- Pressure Transducer
- 30 Bar Liquid Filled Pressure Gauge
- Galvanised Single/Double/Triple Base
- Ball Valve (304 Stainless Steel)
- Pressure Tank Included in Scope of Supply
- Braided Hose 20 Bar 1.5m 1" BSPF with 10/6 model only

## DIMENSIONS

BASE WIDTH & LENGTH	275

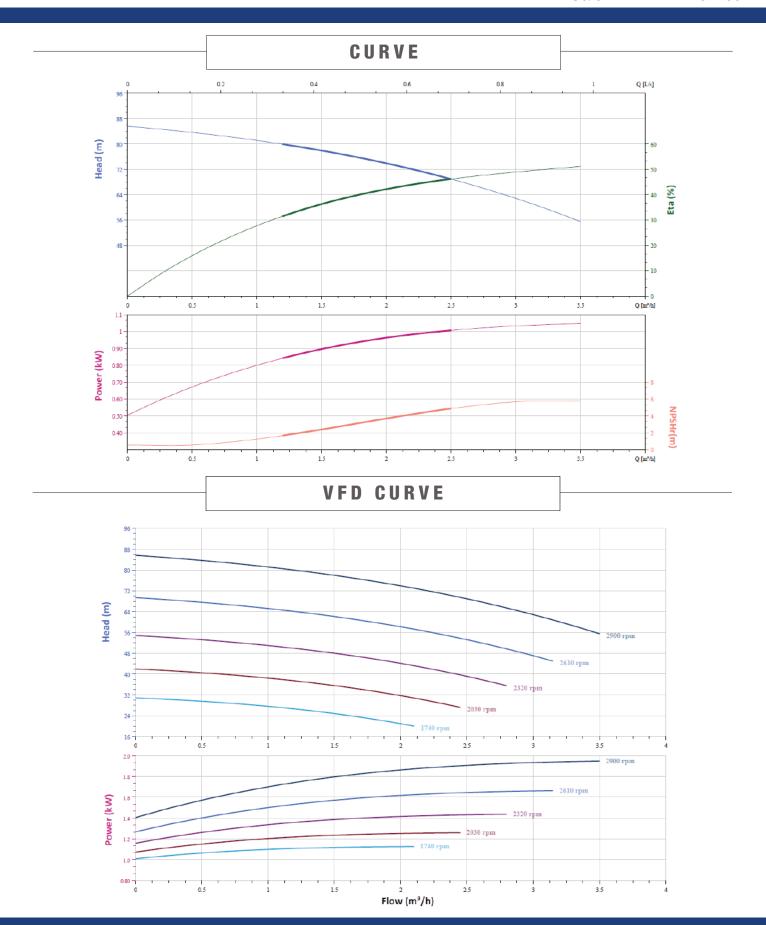






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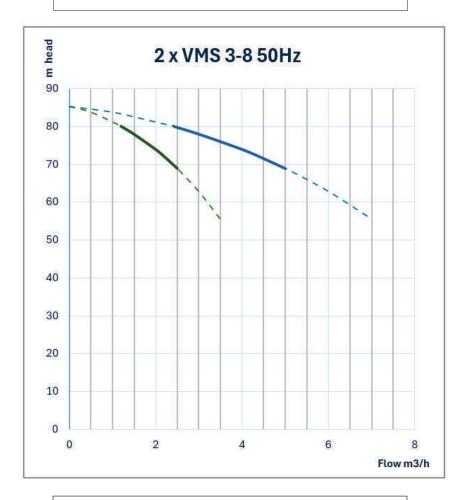


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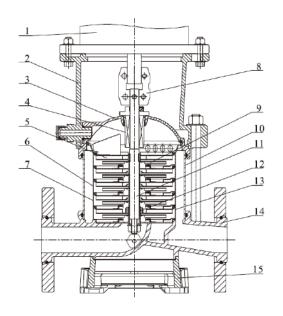
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### **DUAL PUMP CURVE**



## **CUTAWAY AND MATERIALS**



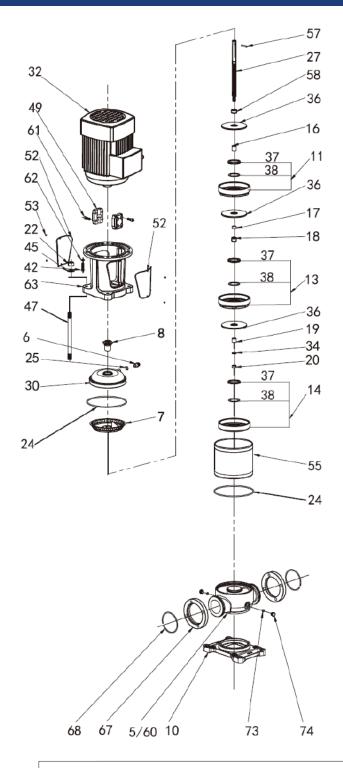
Motor	/
Bracket	Ductile Cast Iron
Seal Base	Stainless / Ductile Cast Iron
Mechanical Seal	AS-L-16
Top Diffuser	Stainless Steel
Diffuser	Stainless Steel
Support Diffuser	Stainless Steel
Coupling	Stainless Steel
Impeller	Stainless Steel
Cylinder	Stainless Steel
Shaft	Stainless Steel
Intermediate Bearing	SIC / WC
Inducer	Stainless Steel
Inlet/Outlet Chamber	Stainless Steel / Ductile Cast Iron
Base	Ductile Cast Iron
	Bracket Seal Base Mechanical Seal Top Diffuser Diffuser Support Diffuser Coupling Impeller Cylinder Shaft Intermediate Bearing Inducer Inlet/Outlet Chamber



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- 6 Air vent plug
- 7 Top diffuser
- 8 Mechanical seal
- 10 Base plate
- 11 Diffuser
- 13 Support diffuser
- 14 Inducer
- 16 Impeller sleeve
- 17 Short impeller sleeve
- 18 Wear ring
- 19 Inlet impeller cover
- 20 Lock nut
- 22 Nut
- 24 O-ring
- 25 O-ring
- 27 Pump shaft
- 30 Seal base
- 32 Motor
- 34 Washer
- 36 Impeller
- 37 Choma cover
- 38 Choma
- 42 Blot
- 45 Washer
- 47 Stay bolt
- 49 Coupling
- 52 Coupling guard
- 53 Screw
- 55 Cylinder
- 57 Shaft pin
- 58 Locating sleeve
- 60 Common inlet and outlet chamber
- 61 Socket head cap screw
- 62 Washer
- 63 Bracket
- 67 Flange
- 68 Flange retaining ring
- 73 O-ring
- 74 Drain plug

#### WARRANTY / CERTIFICATIONS







