

Verdermag Global Style 1 160 series



GENERAL		125
Horizontal End-Suction centrifugal pump		
Centerline discharge		
Mag-drive		
Synchronous coupling		
Back-pull out design		
Maximum possible temperature:	205 °C	
Minimum possible temperature	-100 °C	
Maximum discharge pressure:	19 bar	
Slurry:	max 5% wt.; size: max. 250 µm	
Maximum diameter solids:	0.5 mm	
Minimum flow:	10% of maximum efficiency flow	
Maximum viscosity:	150cPs	
Maximum power transmission:	4kW	

Casing

- Top centerline discharge, self venting
- Stainless steel 316 S11 fabricated, or 316 C16 cast construction
- Case mounted directly to pedestal (no feet)
- Flanges: Standard – Combined PN16 / ANSI 150# - Optional
- BS 4504 (ISO 2084-1974) Class PN16
- BS 1560 (ANSI/ASME B16.5) Class 150
- Casing drain connection optional extra

Inner Magnet – Impeller / Pump Shaft

- Closed type impeller with integral pump shaft
- Stainless steel 316 S11 fabricated construction/ CF8M cast
- Hollow shaft flow induction system
- Magnets fully encapsulated with tough 316 sheath
- Machined O-ring grooves, to carry rotating silicon carbide bearing components

Outer Magnet

- Mild steel outer magnet ring with resin filler and protective rings surrounding magnets
- Mounts directly to motor shaft by self centering taper lock adapter and bush

Backplate Containment Tube

- Stainless steel 316 S11 construction, with Hastelloy containment tube, for reduced eddy current generation
- Integral shaft for mounting static bearing components
- Separate bearing holder for mounting static bearing components
- Bolts directly to case, and allows for quick cartridge replacement

Bearings

- Single front bearing pump with rear thrust pins
- Silica free silicon carbide front bearings fitted as standard
- Fluoroscint rear thrust pins (3 pins fitted directly into the endcap of the containment tube) supplied as standard
- Bearings are press fit onto elastomers O-rings – allowing:
 - Thermal shock absorption
 - Easy maintenance

Magnet coupling

- Rare Earth Samarium Cobalt high temperature grade magnets
- Synchronous, no slippage, low losses
- Eliminates need for soft starter devices



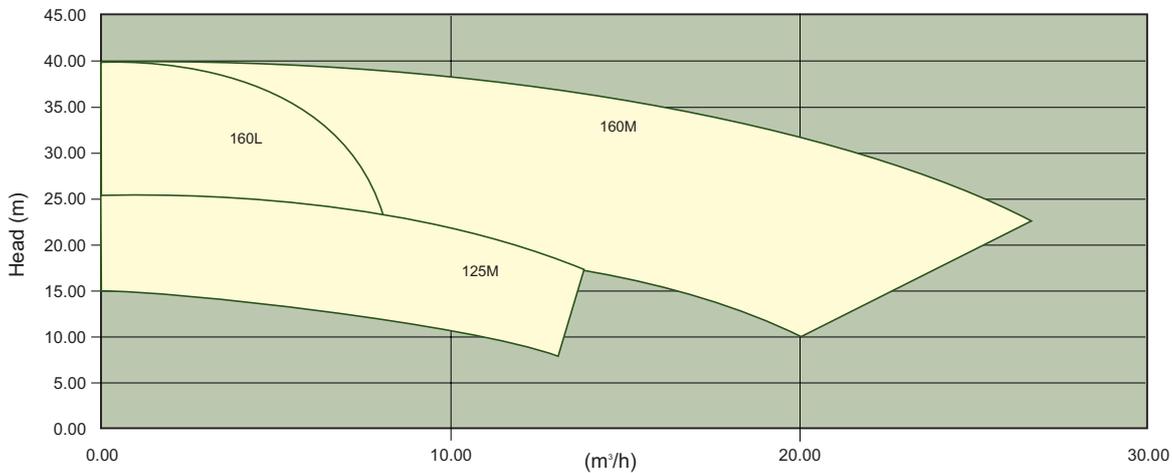
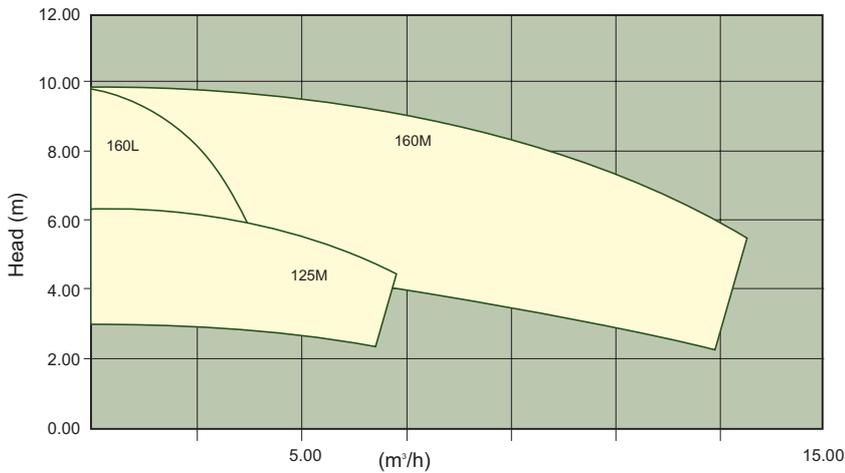
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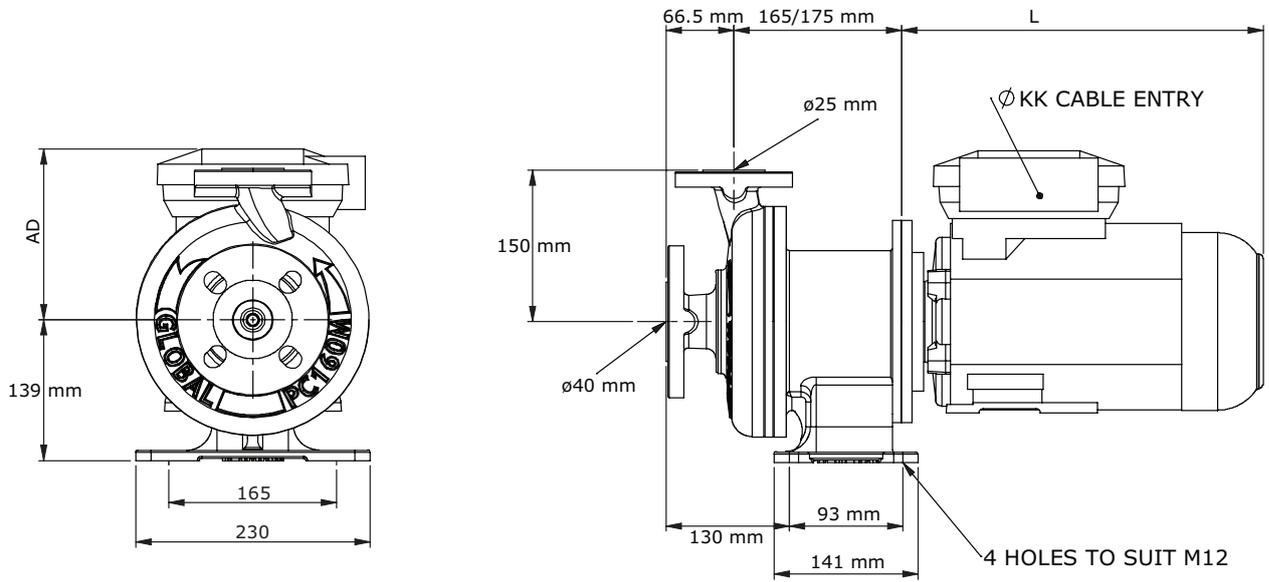
VERDERMAG GLOBAL

Close Coupled Bracket

- Provides metal to metal fit to casing / backplate
- Central foot mounting for simple installation
- Eliminates flexible coupling, bearing frame and alignment
- Utilises standard IEC motors – To suit 80/90 frame (optional adaptor fitted with 100/112 frame also available)
- NEMA available on request



Verdermac Global Style 1



*Dimensions AD and L are subject to change based on motor specification.
Please contact us for more information*