

Verdermag Global Style 1 125 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 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
- BS 1560 (ANSI/ASME B16.5) Class 300
- Casing drain connection optional extra

Impeller

- Closed type
- Stainless steel CF8M cast construction or fabricated 316 S11
- Bored and keyed to suit standard Global pump shafts

Inner Magnet – Pump Shaft

- Stainless steel 316 S11 internal pump shaft
- Hollow shaft flow induction system
- Magnets fully encapsulated with tough 316 sheat
- Coupled to impeller by key, washer and locking nut
- 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
- Separate bearing holder, with flow induction holes for bearing lubrication
- Bolts directly to case, and allows for quick cartridge replacement

Bearings

- Single front bearing pump with rear thrust ring
- Silica free silicon carbide front bearings fitted as standard
- Fluoroscint rear thrust ring supplied as standard – (Full Silica free silicon carbide rear bearings optional)
- Bearings are press fit onto elastomers O-rings – allowing:
 - Thermal shock absorption
 - Easy maintenance



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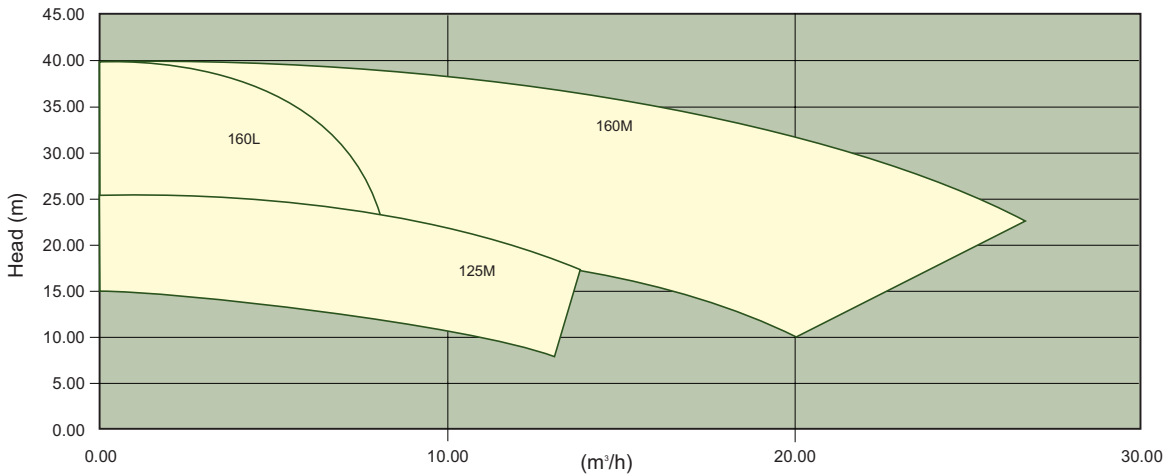
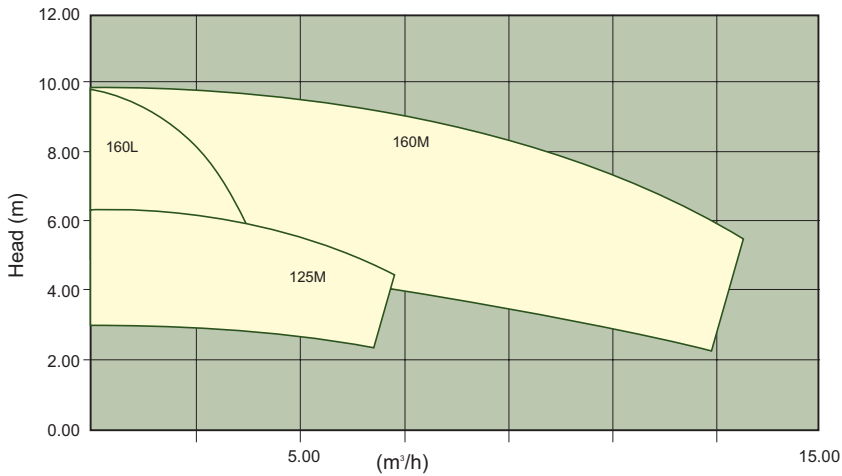
VERDERMAG GLOBAL

Magnet Coupling

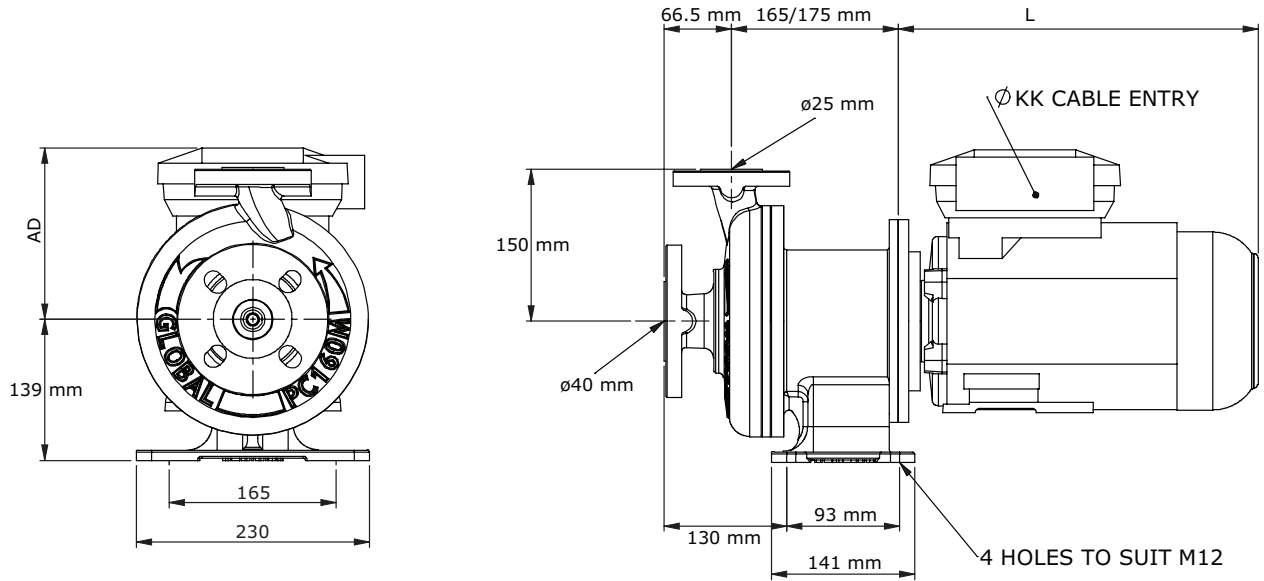
- Rare Earth Samarium Cobalt high temperature grade magnets
- Synchronous, no slippage, low losses
- Eliminates need for soft starter devices

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 (100/112 adapter option)
- 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*

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at www.verderglobal.com**