

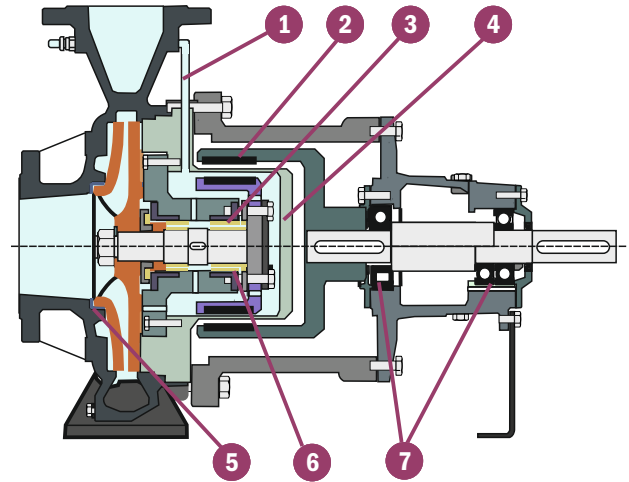


Centrifugal Pumps

NDM Range Magnetically Driven ISO Pumps

DESIGN SUMMARY

Standards	ISO 2858/5199
Configuration	Horizontal long or close coupled
Motors	IE2, IE3
Seal Type	Magnetic Drive



SPECIFICATIONS

Maximum Temp	300 °C
Minimum Temp	-200 °C
Max Flow	500 m ³ /hr
Max Head	140 m
Max Pressures	16 bar total system Special constructions to 100 bar
ATEX	Yes

MATERIALS

	Standard	Options
Rear Casing	Hastelloy	Alloy 20, Titanium
Front Casing	CF8M SS	Hastelloy, Alloy 20
Impeller	CF8M SS	Hastelloy, Alloy 20
Shaft	Duplex	Super Duplex
Bearings	SiC	PTFE, Carbon
Magnets	Samarium Cobalt	

DESIGN FEATURES

NDM are high specification 2858/5199 pumps. They have been designed to be robust, offer high pumping efficiency and higher containment than normal.

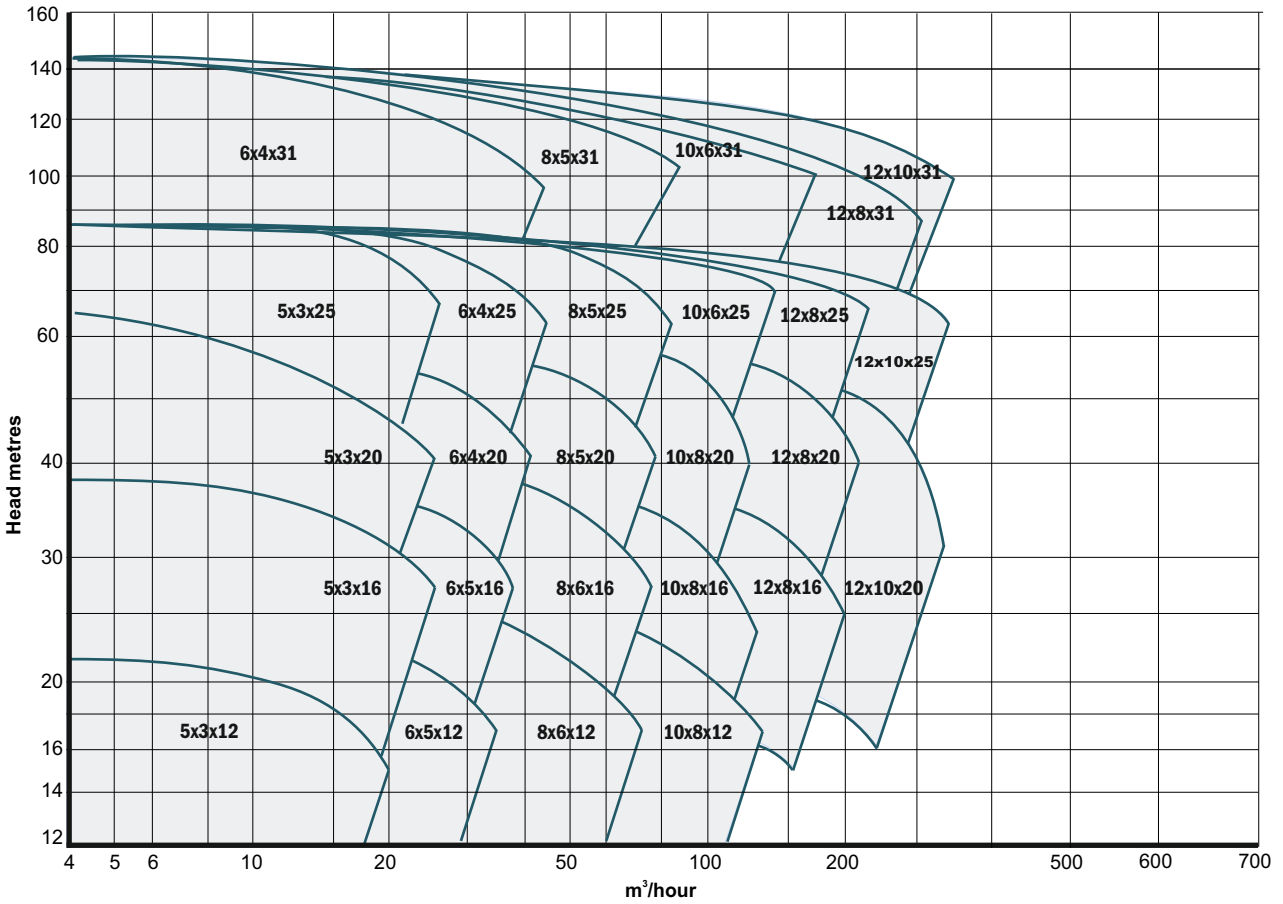
- 1 Rear cavity lubricated by fluid at discharge pressure. Can cope with dead heading.
- 2 Powerful temperature resistant Samarium Cobalt magnets (drive and internal).
- 3 Star tolerance rings positively locate SiC bearings to absorb vibrations and allow for thermal expansion.
- 4 Single piece 1.5 mm thick Hastelloy rear housing that offers additional containment.
- 5 Removable wear ring.
- 6 SiC bearings designed to pass particles.
- 7 Double ball bearing and roller bearing support available.

NDM pumps are full vacuum resistant and can be fitted with self cleaning filters, heating or cooling jackets and inducers for low NPSH applications.



NDM - Performance Curves

2950 rpm



1450 rpm

