



Centrifugal Pumps

ND Range Mechanically Sealed ISO Pumps

DESIGN SUMMARY

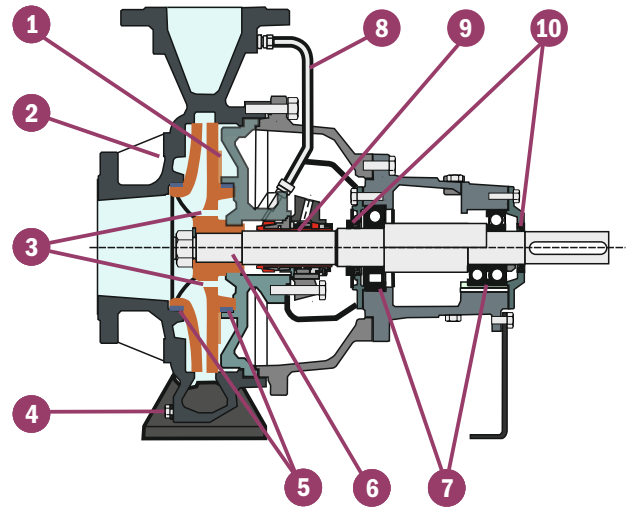
Standards	ISO 2858/5199
Configuration	Horizontal long coupled
Motors	IE2, IE3
Seal Type	Single and Double Mechanical Cartridge, API Plan 11, Packing

SPECIFICATIONS

Maximum Temp	170 °C
Minimum Temp	-10 °C
Max Flow	1,500 m ³ /hr
Max Head	140 m
Max Pressures	16 bar total system
ATEX	Yes

MATERIALS

	Standard	Options
Rear Casing	CF8M SS	Duplex, Hastelloy
Front Casing	CF8M SS	Duplex, Hastelloy
Impeller	CF8M SS	Duplex, Hastelloy
Shaft	Duplex	Duplex
Wear Rings	Duplex	Super Duplex Hastelloy
Seal	SiC/Carb/EPDM many other options available	SiC/SiC/Viton



DESIGN FEATURES

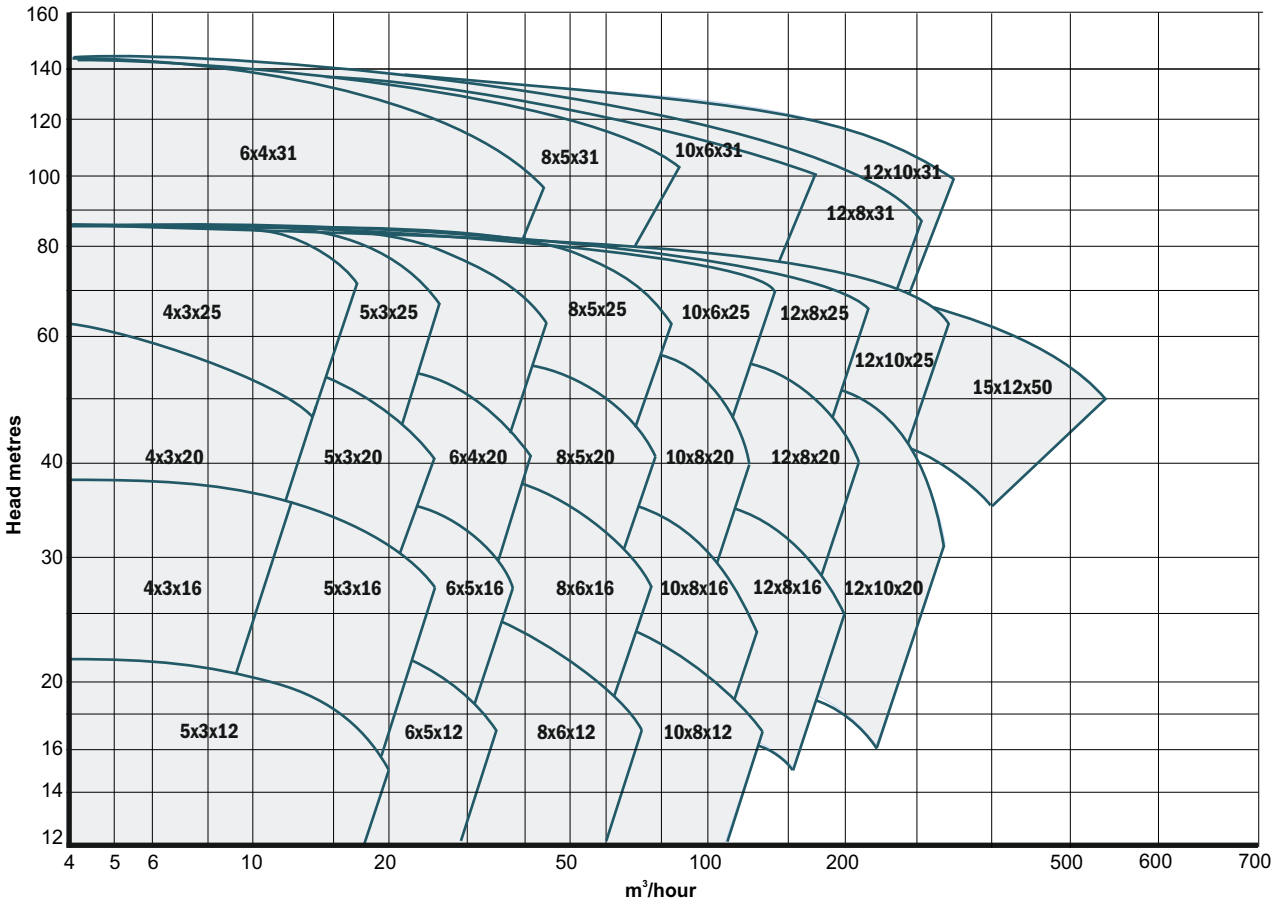
ND are high specification 2858 pumps. They have been designed to be robust and offer high pumping efficiency and low NPSH requirements.

- 1 Impellers balanced with back vanes on smaller models as to help clean the seal chamber as discharge pressures are lower.
- 2 Conical pump chamber with internal mechanical seal available.
- 3 Larger model impellers balanced with holes.
- 4 Pump chamber drain.
- 5 Two wear rings.
- 6 Duplex SS shaft as standard.
- 7 Double ball bearing and roller bearing support available.
- 8 API 682 Plan 11 seal available.
- 9 A wide range of mechanical and cartridge seal options.
- 10 Labyrinth seals available.



ND - Performance Curves

2950 rpm



1450 rpm

