

INDENG MONOFLO™



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General Purpose Pumps

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The **Indeng Monoflo** is a reliable and efficient single-stage end-suction centrifugal pump. Its simple construction ensures ease of installation and maintenance with all parts manufactured to close tolerances to ensure interchangeability.

The pumps can be provided as bare-shaft units for incorporation into existing plants, or complete on baseplates with suitable motors ready to run.

Pump Features

CASING: Volute type of robust construction provides high efficiency. A deep stuffing box is incorporated and internally sealed to prevent the ingress of air; mechanical seal is standard and gland packing is optional. The option of different types of hard faced mechanical seals may also be fitted. The delivery branch can be rotated to give any one of eight different positions to enable the most suitable pipework layout to be used.

IMPELLER: Double shrouded and secured to the shaft by locknut and key. On the large pump sizes, balancing holes are utilised to minimise hydraulic thrust.

SHAFT: Accurately machined from a high quality stainless steel and designed to operate without vibration. A renewable shaft sleeve is provided as standard on all larger pumps (111,112,114 frame sizes).

BEARINGS: Close tolerance bearings provide long life and are grease sealed to keep routine maintenance to a minimum.

PEDESTAL: Cast iron construction. This can be modified to take double row bearings which can also be oil filled.

Applications:

Industrial

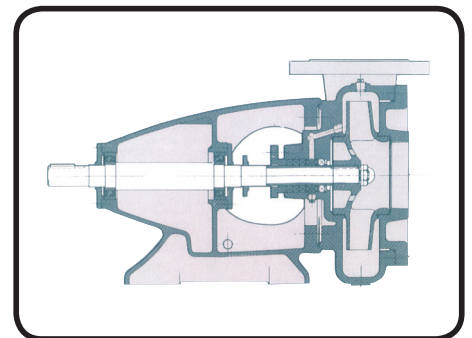
- Product Transfer
- Waste Disposal
- Refrigeration
- Chemical Process
- Boiler Feed
- Condensate Extraction
- Paper Processing
- Gas Scrubbing
- Food Processing
- Spray Booths
- Breweries and Distilleries
- Heating
- Cooling
- Wineries
- Fire Protection

Municipal

- Water Supply
- Swimming Pools
- Effluent Treatment
- Flood Control
- Water Recirculation
- Building Water Services

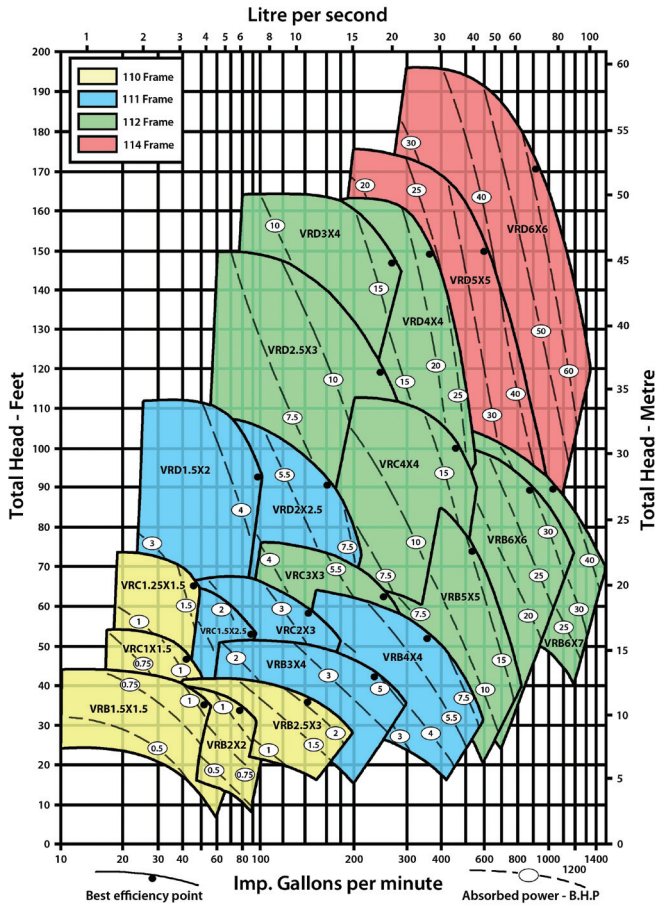
Agricultural

- Water Supply
- Spray Irrigation
- Washdown
- Stock Dipping

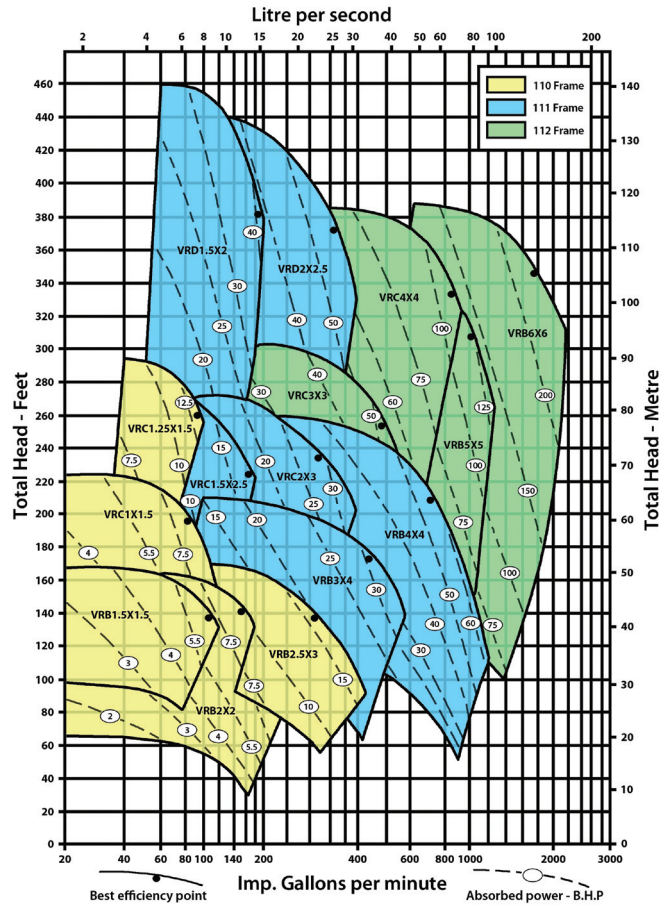


Performance Curves

Performance at 1450 RPM



Performance at 2950 RPM



These curves are a guide only and should not be used for pump selection. Contact your local Indeng dealer for individual performance curves or pump selection.

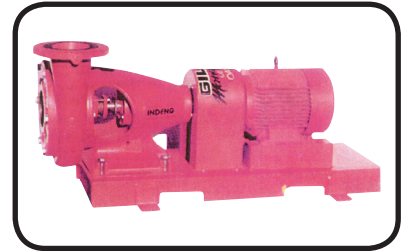
Materials of Construction

CONSTRUCTION TYPE	STANDARD PUMP	BRONZE IMPELLER FITTED	BRONZE WET END
CODE	A43	F43	B43
Casing and Cover	Cast Iron	Cast Iron	Phosphor Bronze
Impeller	Cast Iron	Phosphor Bronze	Phosphor Bronze
Impeller Nut	SS 316	SS 316	SS 316
Gland	Cast Iron	Phosphor Bronze	Phosphor Bronze
Shaft	SS 431	SS 431	SS 431
Shaft Sleeve	SS 316	SS 316	SS 316
Bearing Pedestal	Cast Iron	Cast Iron	Cast Iron
O-Ring (case)	Chloroprene	Chloroprene	Chloroprene

Graphs and standard materials of construction also relate to MOTO FLO MAJOR Close-Coupled range of pumps. In addition Indeng Pumps can also be constructed in S.G Iron 400/12 to suit specialised applications.

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MOTOFLO MAJOR Close-Coupled Pump

MOTOFLO MAJOR pumps are ideal in dairy applications and similar situations where a compact close-coupled electric motor driven pumpset is suitable because of space requirements or other considerations. They may be employed as a universal general purpose pump for every kind of duty involving the transportation of clear fluids as heads of 105 metres and capacities to 85 litres per second.



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