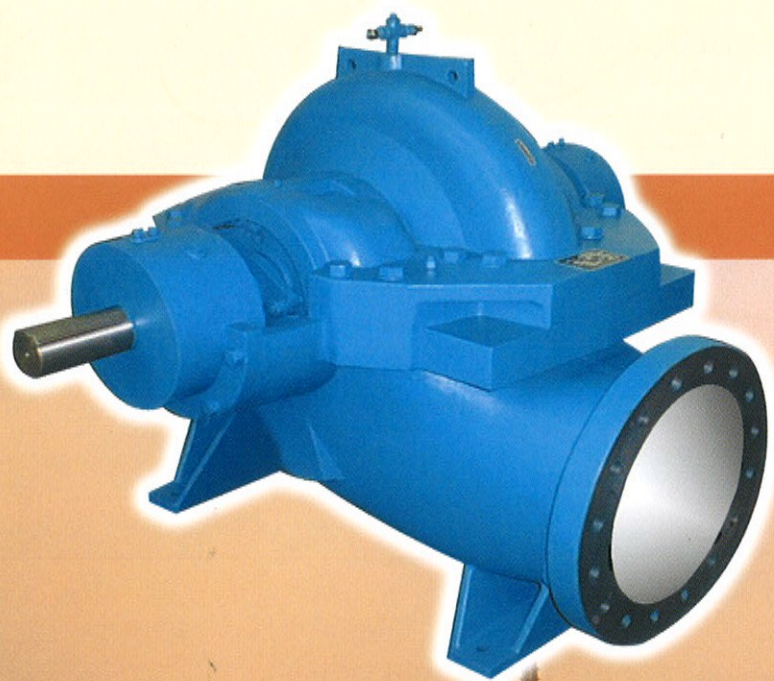


DANFLO™

Axially Split Casing Pump



DANFLO™ PUMPS take you *back to future* with the latest range of Horizontal Split Case Pump for water resources, HVAC, fire protection and industrial application.

DANFLO Horizontal Split Case Pump has over 50 years of expertise in pump design and has been the market leader.

The state of art pump design technology by DANFLO meets nor exceeds the market requirement and needs.

The pump benefits from high efficiency computer aided impeller design, rugged casing design permits working pressure up to 25 bar and has good NPSH.

DANFLO philosophy of an integrated and modular range provides optimum parts interchangeability. In addition benefits of modern foundry techniques, computer controlled machine, choice of configuration to suit station design, low installation cost, and ease of maintenance objectives.

Horizontal Split Case

RECIRCULATION

- External seal/packing recirculation lines
- Internal recirculation lines are available
- Cyclone separator as an option

IMPELLER

- Double suction type for hydraulic balance and minimal axial thrust
Keyed to the shaft and secured at the hub between the shaft sleeves
- Single suction impeller version for low capacities
- Double stage impeller for high heads

BEARING HOUSING

- Completely separate components, precision machined and can be inspected or replaced without disturbing the upper half pump casing.

WEARING

- Replaceable wear rings are fitted in the casing
- Impeller wear rings are available as an option

CASING

- Axially split casing
- Suction and discharge flange in lower half, allow access to rotating element without disturbing piping
Rigidly to pipe loads, reducing coupling and bearing misalignment
- Counter-rotation possible with the same parts
- Double-volute version for appropriate capacities and minimizes radial thrust

SHAFT

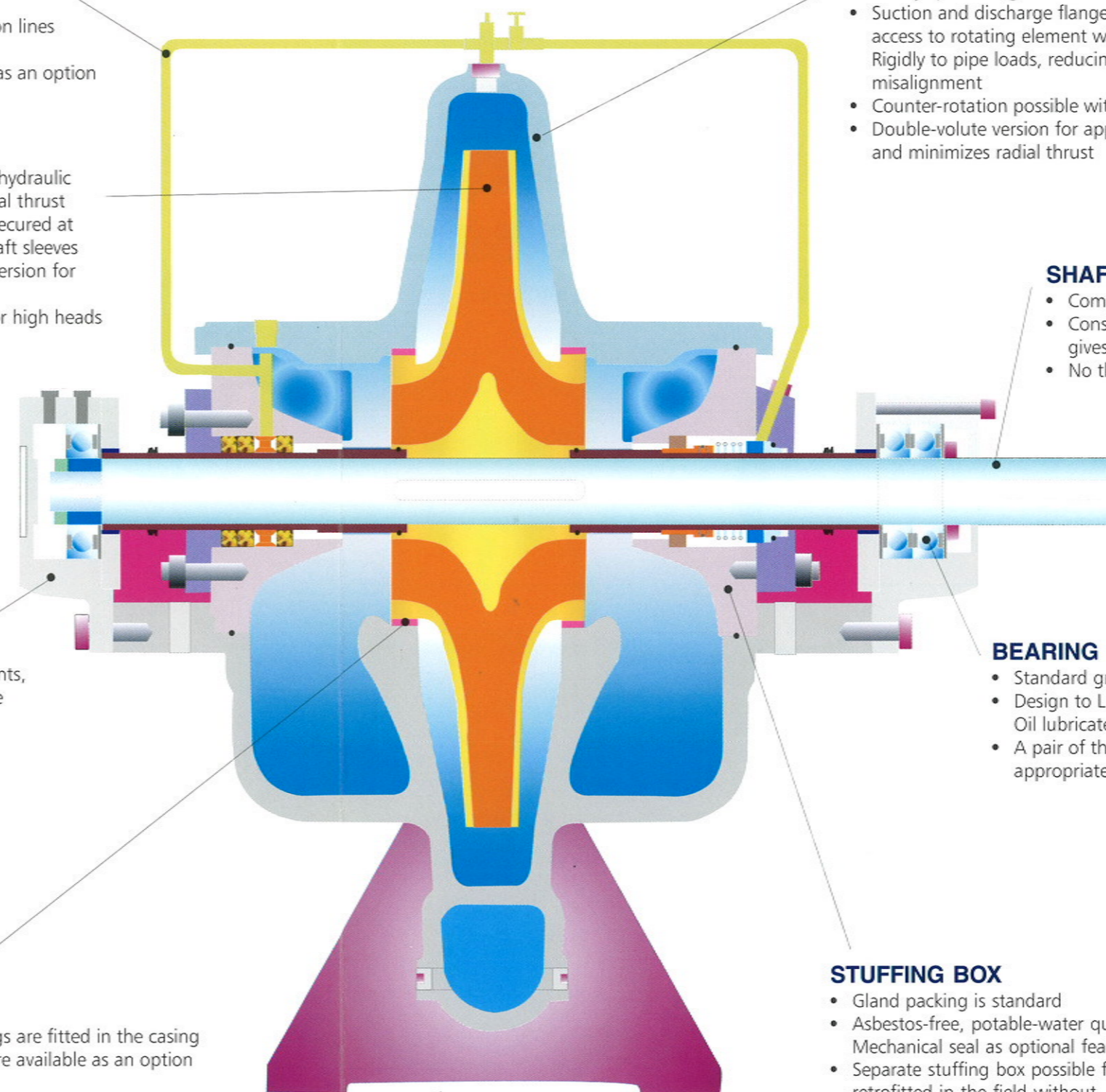
- Completely sealed and dry for zero corrosion
- Consciously stiff design reduces deflection gives negligible vibrations
- No threads exposed to pump medium

BEARING

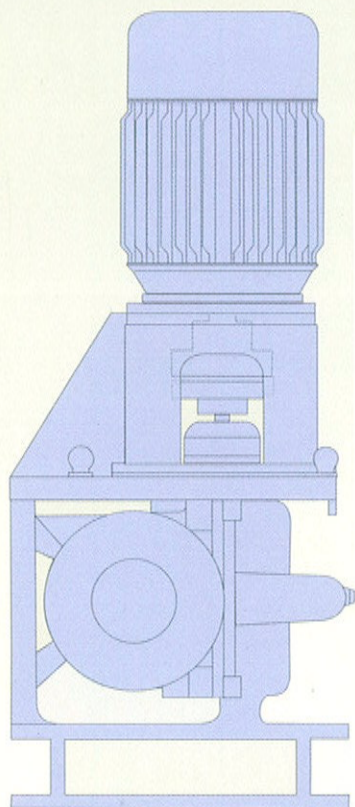
- Standard grease lubricated
- Design to L10 life
- Oil lubricated as an option
- A pair of thrust bearings for appropriate model

STUFFING BOX

- Gland packing is standard
- Asbestos-free, potable-water quality soft pack
Mechanical seal as optional feature
- Separate stuffing box possible for retrofitted in the field without removing the top half casing
- Stuffing box integral with casing are available



PUMP CONFIGURATIONS

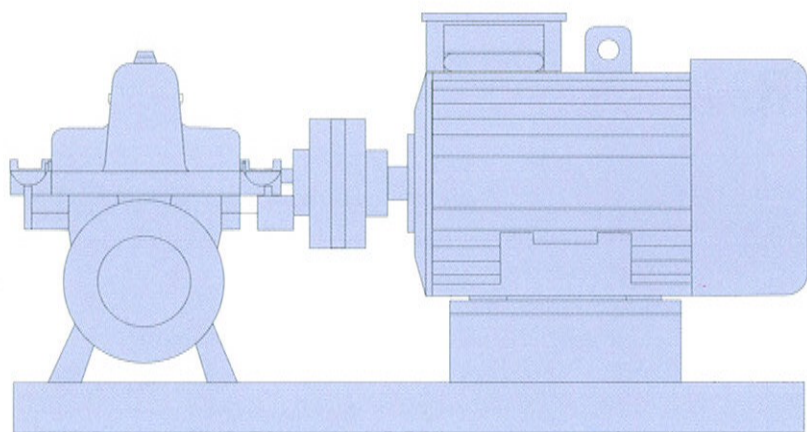


TYPE 1

Vertical mounted pump on steel fabricated baseplate, motor positioned directly above pump and supported by a motor stool. The pump is driven through a flexible coupling.

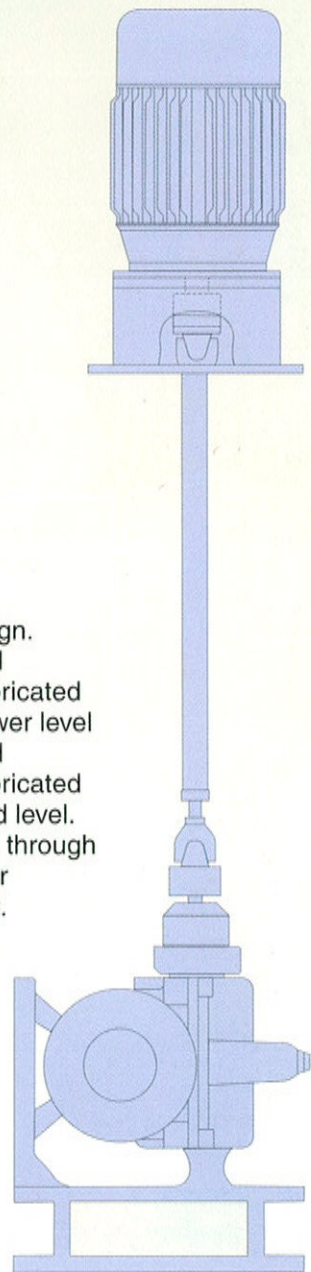
TYPE 3

Horizontal mounted pump on steel fabricated baseplate complete with motor. The pump is driven through a flexible coupling and allows rotation of pump either clockwise or counter clockwise.

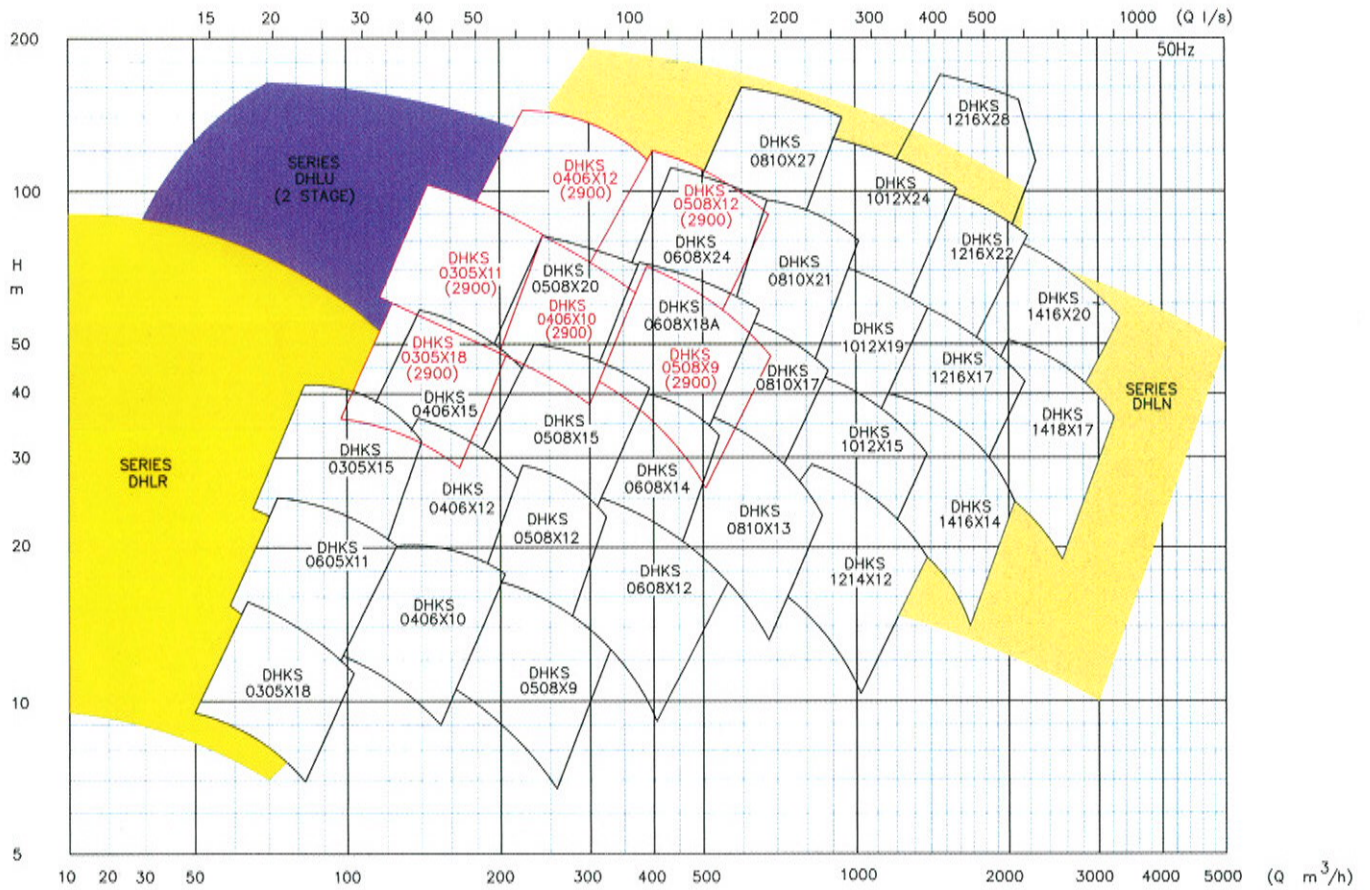


TYPE 2

Vertical dry pit design. The pump mounted vertical on steel fabricated baseplate at the lower level and motor mounted vertical on steel fabricated baseplate at ground level. The pump is driven through a carbon shafting or universal joint shaft.



COVERAGE CHART



MATERIALS OF CONSTRUCTION

- Casing ~ Cast Iron, Ductile Iron, Bronze, Zinc Free Bronze, Stainless Steel
- Impeller ~ Cast Iron, Carbon Steel, Bronze, Zinc Free Bronze, Stainless Steel
- Wear Ring ~ Cast Iron, Bronze, Stainless Steel
- Shaft Sleeve ~ Bronze, Stainless Steel
- Shaft ~ High Tensile Steel, Stainless Steel
- Mechanical Seal ~ Silicon Carbide/Carbon (DIN 24960)
- Gland Packing ~ Non Asbestos Soft Packing
- Casing Bolt ~ High Tensile Steel, Carbon Steel

PERFORMANCE

- Capacity up to 5000m³/hr
- Head up to 150 m
- Liquid Temperature 80° C standard, Optional up to 120° C
- Operating Pressure up to 25 bar

STANDARD FLANGE SPECIFICATION

- DIN 2501 (Standard)
- BS 4505
- ANSI B16.1
- JIS B-2212

ACCESSORIES (optional)

- Pressure Gauge
- Cyclone Separator
- Temperature Sensor For Anti-Friction Bearing (PT 100)
- Vibration Sensor
- Automatic Air Release Valve

Contact factory with higher temperature/pressure requirements or special materials

PRODUCTS RANGE



Slurry / Solid Handling Pump

- Q = 7 - 4236 m³/hr
- H = 8 - 125 m



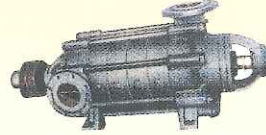
Liquid Ring Vacuum Pump

- Flow up to 30 m³/hr/



Vertical In-Line Multistage

- Q = 0.6 - 80 m³/hr
- H = 8 - 245 m



Horizontal Multistage

- Q = 4 - 185 m³/hr
- H = 13 - 684 m



Vertical Mixed/Axial Flow Pump

- Q = 60 - 15,000 m³/hr
- H = up to 40 m



Inclined Pump

- Q = 200 to 5500 m³/hr
- H = 4 - 70 m



Vertical Multistage

- Q = 1 - 200 m³/hr
- H = 14 - 260 m



Vertical Can Pump

- Q = 30 - 3000 m³/hr
- H = 4 - 250 m



Engineered Submersible Pump

- Q = 3 to 3000 m³/hr
- H = up to 300 m



HVAC Circulating Pump

- Q = 4 - 800 m³/hr
- H = 5 - 50 m



Vertical In-Line

- Q = 4 - 1080 m³/hr
- H = 8 - 125 m



Chemical Process Pump

- Q = 6 - 400 m³/hr
- H = 5 - 125 m



DUSM Water/Oil Filled Submersible Motor

- Standard kW upto 500 kW
- Voltages up to 6600 Volts



End Suction Pump

- Q = 6 - 1200 m³/hr
- H = 5 - 140 m



SUBMERSIBLE MOTOR ENGINEERING (ABN 27 098 297 5)

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