CAPPING
High shock capacity ductile (nodular) iron. Consult IMO for steel case availability.

ROTOR HOUSING
Pearlitic gray iron for rotor sizes 106 through 187; bronze sizes 218 and larger.

POWER ROTOR
Alloy steel, nitride hardened and thread ground.

IDLER ROTORS
Pearlitic gray iron, induction hardened and thread ground for sizes 106 through 187; alloy steel, nitride hardened and thread ground sizes 218 and larger.

GAFFETS
Cellulose and non-asbestos fiber.

SEAL & BEARING
Type B: Buna N bellows mechanical seal, Buna N O-rings and standard external, permanently greased packed, deep groove ball bearing - recommended for distillate fuels and lubricating oil or hydraulic fluids.
Type H: Positive drive mechanical seal, fluorocarbon O-rings and external high temperature, permanently greased packed, deep groove ball bearing.

ACCESSORIES
Completely mounted, built to order pump/driver assemblies are available with baseplates, ANSI RF spool pieces, NEMA "C" face adapters.

OUTLET PRESSURE
1500 PSIG (103 BAR) maximum for lube, seal and hydraulic oils. 1000 PSIG (70 BAR) maximum for distillate & residual fuels and crude oils. Minimum recommended differential pressure is 40 PSI (2.8 BAR) when viscosity is >100 ssu and 25 PSI (1.7 BAR) when viscosity is <100 ssu.

INLET PRESSURE
Type B & H: 75 PSIG (5 BAR) maximum, sizes 106 - 187
50 PSIG (3 BAR) maximum, sizes 218 - 400

VISCOITY
33 ssu (2.0 CST) minimum: Type B - 3000 ssu (650 CST) maximum (consider cold start)
Type H - Viscosities above 3000 ssu (650 CST)

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6D SERIES PUMP SPECIFICATIONS CONTINUED

Temperature
- Type B: 0 to 180°F
- Type H: Sizes 106 - 187 0 to 225°F (-18 to 107°C)
  Sizes 218 and up 0 to 200°F (-18 to 93°C)

Speed
- Do not exceed 1800 RPM when pumping residual fuels or crude oil due to the presence of abrasives and contaminants.

Drive
- Direct only (no shaft side loading).

Rotation
- Clockwise facing pump shaft

Mounting
- May be foot mounted in any orientation. Flange mounting optional for certain applications.

Filtration
- Inlet strainers are required to keep contaminants and abrasives out of the pump. They must be selected in consultation with the strainer vendor to prevent pump starvation. Normally, 60 mesh (0.01 inch - 238 micron) for light and 1/8 - 3/16 inch (3 - 5mm) openings for heavy oils are recommended.

For individual pump performance, refer to the CIRCOR Selector at http://cfx-selector.com
Data Nominal / Request certified drawing for construction