Frame S Centrifugal (ASME/ANSI), Frame SD Centrifugal (DIN/ISO) Pumps

Construction
Mid-frame strength and reliability in small-frame space

1. Lifetime labyrinth seals protect bearings from intrusion of contaminants without causing the shaft damage typical of lip seals.
2. Micrometer adjustment nuts fine tune impeller setting for maximum efficiency.
3. Heavy duty bearings (two sizes larger than industry standard) provide maximum durability and life. Angular contact thrust bearings optional on Frame S, standard on Frame SD.
4. Large shaft cross-section combined with short span adds to structural integrity and resists vibration for longer bearing and seal life.
5. Open frame concept for ease of seal maintenance.
6. Rabbet for C-Frame (NEMA) or D-Flange (IEC) motor adaptor provides for automatic mechanical motor alignment without special tools or excessive labor.
7. Positive locking thrust bearing retaining cover for maximum bearing holding power and minimum axial movement.
8. Sight glass for easy observation of oil condition and level.
9. Cooling fins to reduce temperature of oil and bearings.
10. Self-supporting foot.
11. Frame mounted foot provides self-supporting power end and ideal mounting configuration for high temperature applications.
12. Seal chamber with large fluid volume promotes better cooling and cleaning action for longer seal life. Optional seal chamber jacket capability for cooling the mechanical seal.
13. Optional casing mounted foot to conform to ASME/ANSI standard. (Standard on Frame SD to DIN/ISO spec.)
Heavy duty alternative to standard small frame pumps
Lowest L/D^4 stiffness ratio of any competitive size pump
Designed and built for the toughest applications