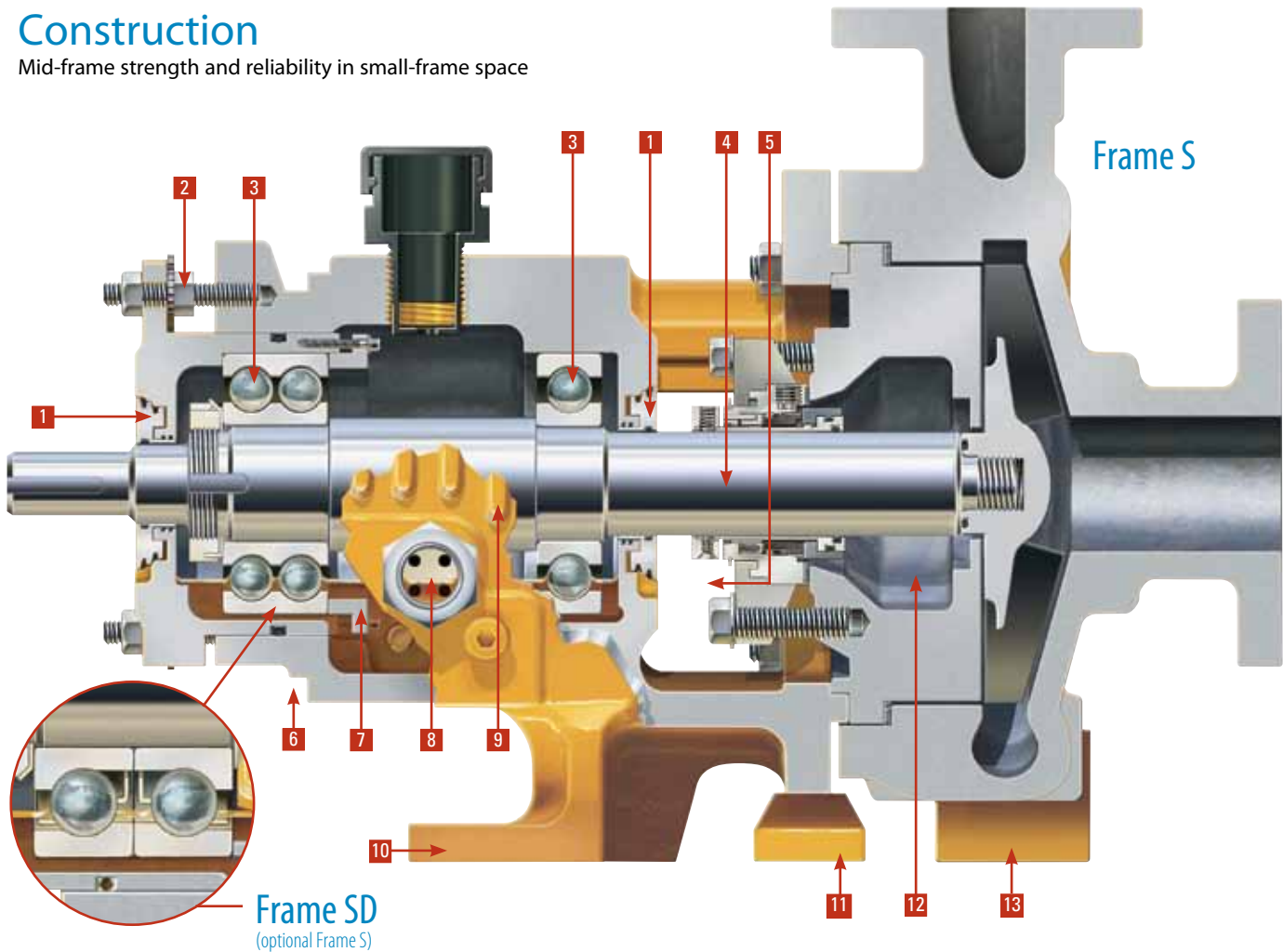




Frame S Centrifugal (ASME/ANSI), Frame SD Centrifugal (DIN/ISO) Pumps

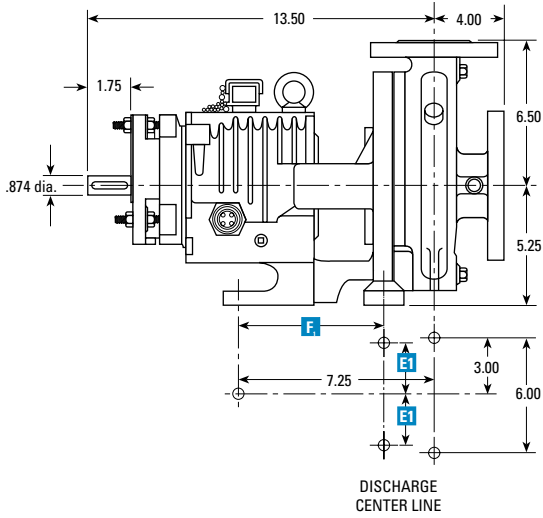
Construction

Mid-frame strength and reliability in small-frame space



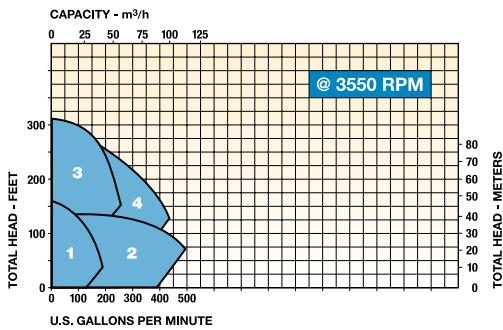
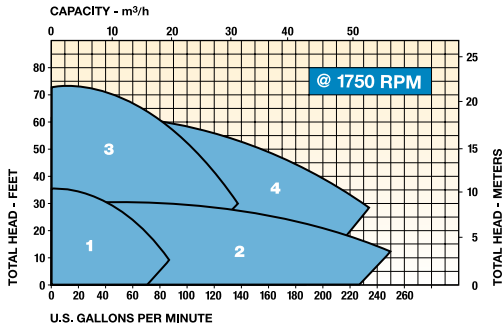
- 1** Lifetime labyrinth seals protect bearings from intrusion of contaminants without causing the shaft damage typical of lip seals.
- 2** Micrometer adjustment nuts fine tune impeller setting for maximum efficiency.
- 3** Heavy duty bearings (two sizes larger than industry standard) provide maximum 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.)

Frame S Pump ASME/ANSI

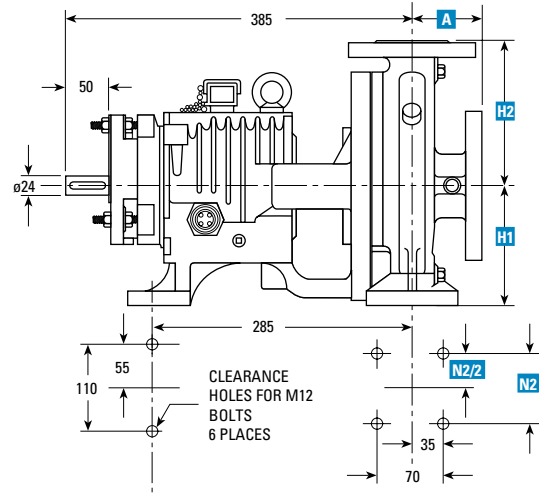


	Pump Size	F_1	$2E_1$
1	1 x 1.5-6	4.88	5.50
2	2 x 3-6	4.88	5.50
3	1 x 1.5-8	4.25	7.50
4	1.5 x 3-8	4.25	7.50

All dimensions are in inches.

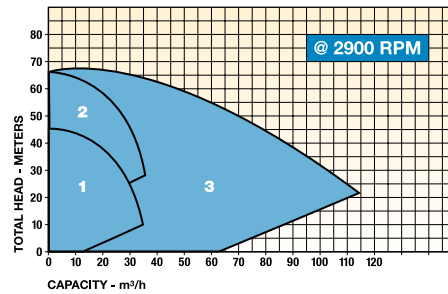
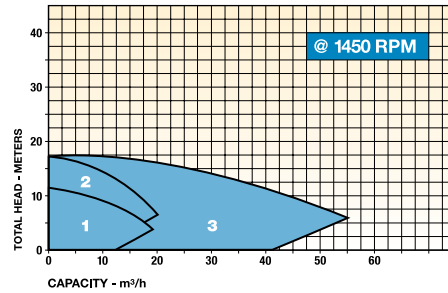


Frame SD Pump DIN/ISO



	Pump Size	A	H_1	H_2	N_2
1	32 x 50-160	80	132	160	190
2	32 x 50-200	80	160	180	190
3	50 x 80-200	100	160	200	212

All dimensions are in millimeters.



- Heavy duty alternative to standard small frame pumps
- Lowest L^3/D^4 stiffness ratio of any competitive size pump
- Designed and built for the toughest applications

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