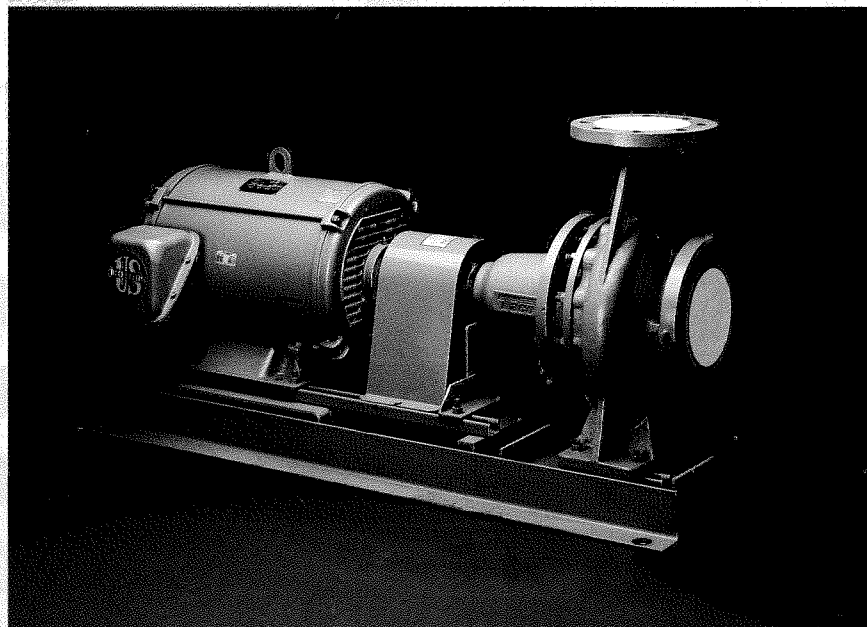


FE Frame-Mounted End Suction Pumps



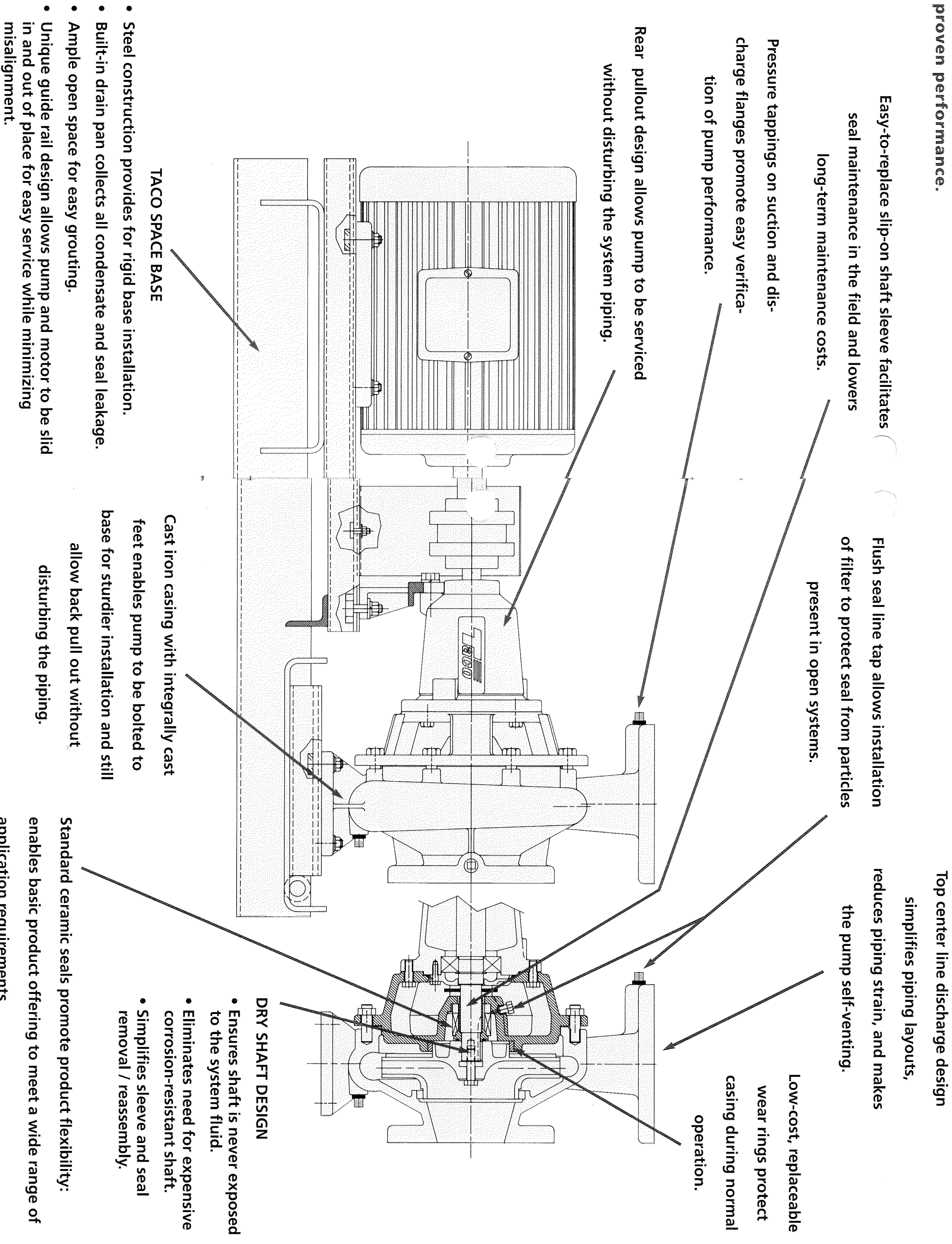
Quiet, dependable power and proven performance.

FE Series Pumps meet the latest standards for hydraulic performance and dimensional characteristics. Each is backed by Taco, Inc., a worldwide leader in heating and cooling equipment for more than seven decades.

Parts standardization and interchangeability for the FE Pump line results in reduced parts inventories and lower costs for multiple pump installations. An easy-to-replace, slip-on shaft sleeve facilitates seal maintenance in the field and lowers maintenance costs. The exclusive dry shaft design protects the pump shaft by eliminating contact between the shaft and the circulating fluid. Corrosion-resistant shaft materials are generally not required. FE Pumps also feature flush seal line taps, allowing the installation of a filter to protect the seal from non-condensable particles present in open systems. In addition, pressure tapings on suction and discharge flanges promote easy verification of pump performance.

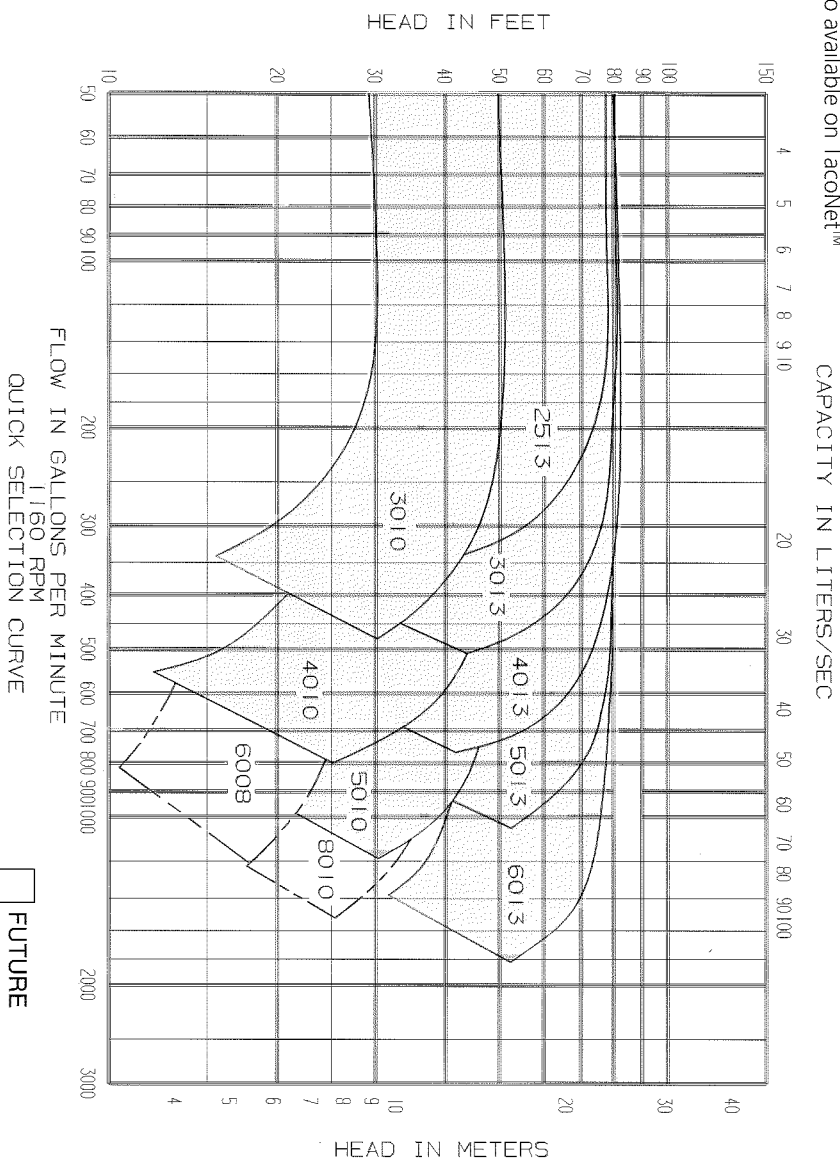
All FE Pumps are provided with the unique Taco Space Base to minimize misalignment and facilitate maintenance. The guide rail design of the space base allows the pump and motor to be easily slid in and out of place for servicing. The space base eliminates the need for expensive spacer couplings which complicate the alignment process. The space base also provides ample open space for easy grouting.

Taco FE Pumps are ideally suited for a variety of applications, including heating, air conditioning, pressure boosting, cooling water transfer, and water supply.



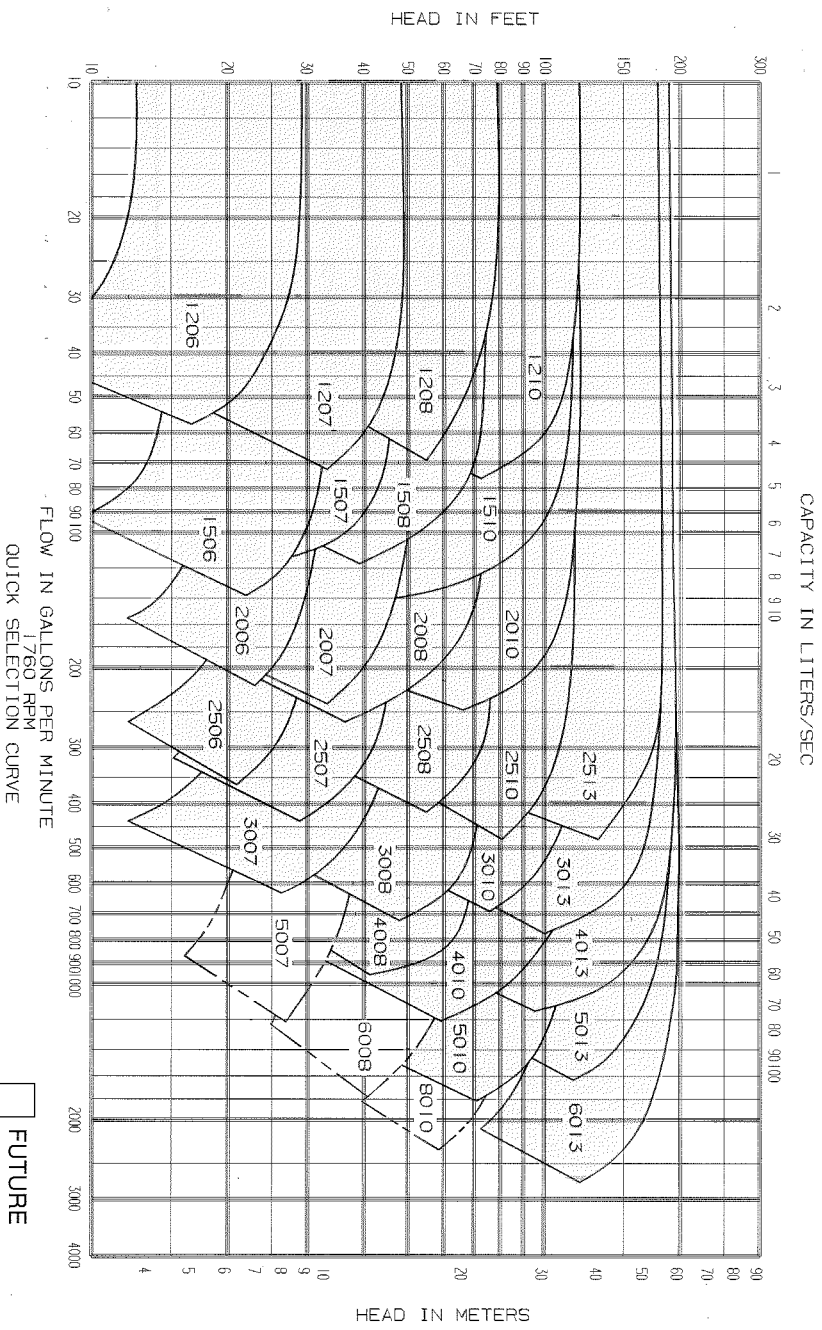
FE SERIES PERFORMANCE FIELD 1160 RPM

Curves also available on TacoNet™



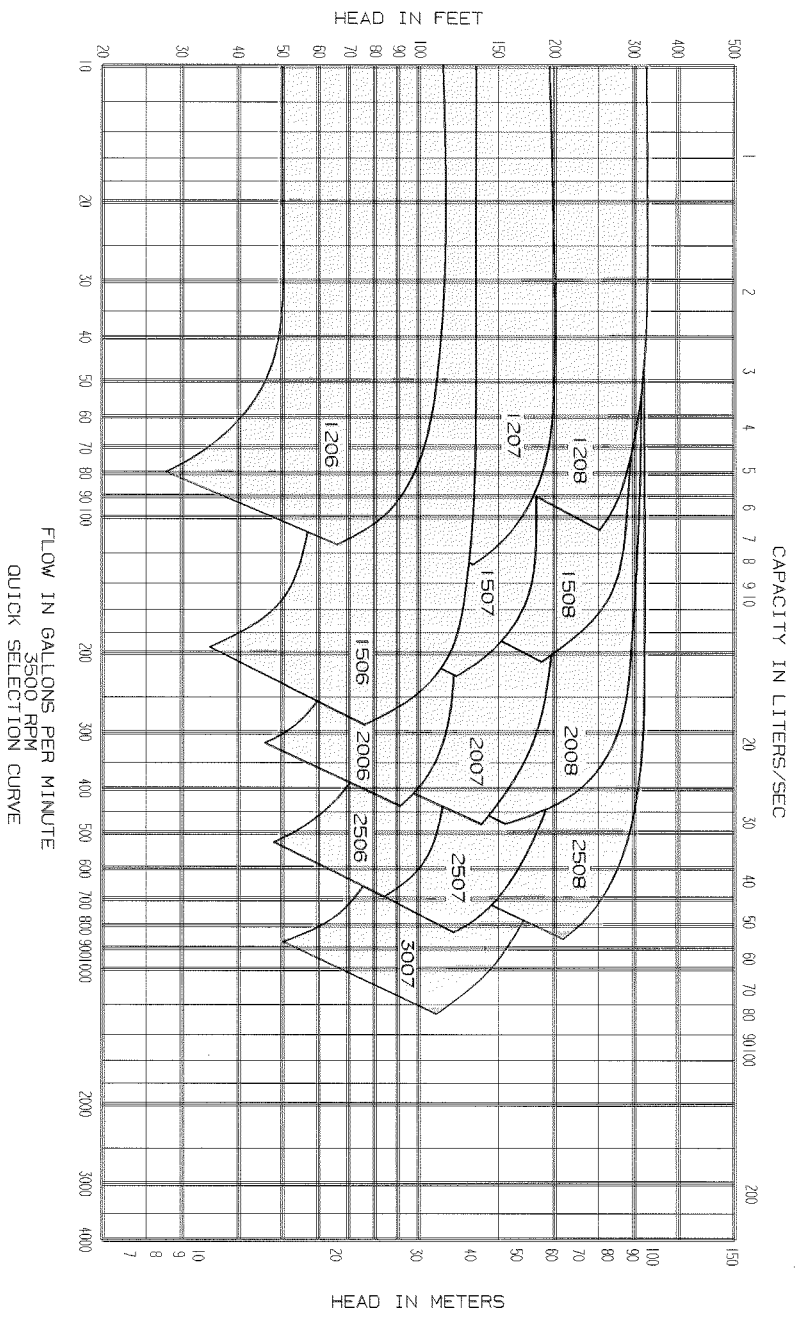
FE SERIES PERFORMANCE FIELD 1760 RPM

Curves also available on TacoNet™



FE SERIES PERFORMANCE FIELD 3500 RPM

Curves also available on TacoNet™

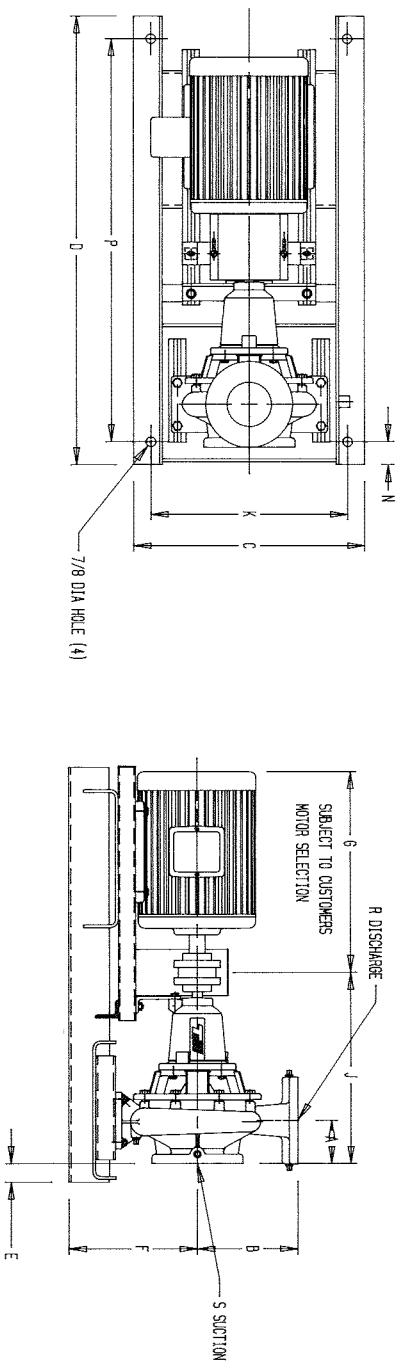


FE PUMP MATERIALS OF CONSTRUCTION

Description	Bronze Fitted		All Iron	
	Standard*	Optional	Standard	Optional
Casing	Cast Iron ASTM A48 CLASS 35		Cast Iron ASTM A48 CLASS 35	
Impeller	Bronze ASTM B30 ALLOY 4A		C/F	
Wear Ring	Bronze ASTM B30 ALLOY 4A		C/F	
Shaft	Carbon Steel AISI 1045	Stainless Steel AISI 416	Carbon Steel AISI 1045	Stainless Steel AISI 416
Shaft Sleeve	Bronze SAE 660	Stainless Steel AISI 303	Stainless Steel AISI 303	
Mechanical Seal: Stationary Seat	Ceramic	Tungsten Carbide	Ceramic	Tungsten Carbide
Rotating Face	Carbon		Carbon	
Elastomer	Ethylene Propylene	Viton	Ethylene Propylene	Viton
Spring	Stainless Steel		Stainless Steel	
Seal Flush Line		Copper		Stainless Steel

*Standard Pump Construction

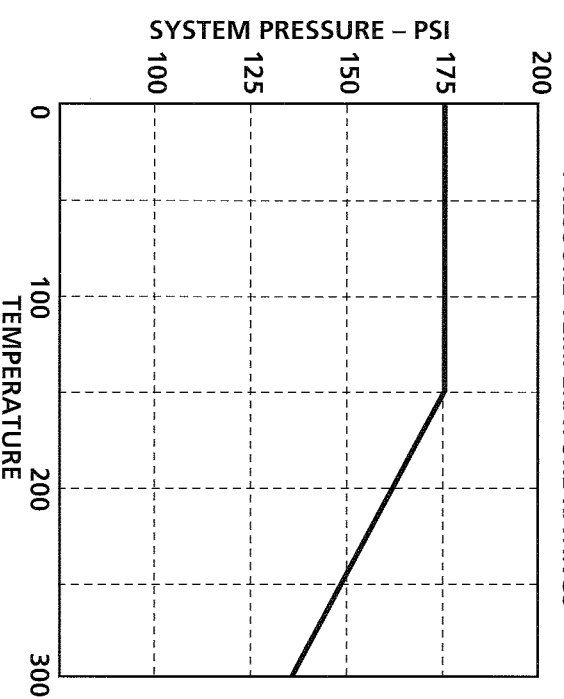
FE SERIES PUMP DIMENSIONS



Series No. FE	MTR Frame Size	A	B	C	D	E	F	J	K	N	P	R DISCH.	S SUCT.
1206	56-143T	2 1/8	5 1/2	16	32	1 1/2	7 23/64	15 27/64	14	2	28	1 1/4	2
	145T-184T				32						28		
1207	56-145T	2 15/16	6 1/8	16	32	1 1/2	8 29/64	15 23/64	14	2	28	1 1/4	2
	182T-215T				36						32		
1208	56-145T	2 15/16	6 15/16	16	32	1 1/2	9 13/16	15 23/64	14	2	28	1 1/4	2
	182T-215T				36						32		
1210	182T-184T	3 3/4	8 11/16	18	42	1 1/2	10 19/32	20 11/32	16	2	38	1 1/4	2
	56-145T	2 15/16	5 5/8	16	32	1 1/2	7 29/64	15 21/64	14	2	28	1 1/2	2 1/2
1506	182T-215T				36						32		
	56-145T	2 15/16	6 1/8	16	32	1 1/2	8 29/64	15 21/64	14	2	28	1 1/2	2 1/2
1507	182T-215T				36						32		
	56-145T	2 15/16	6 1/8	16	32	1 1/2	8 29/64	15 21/64	14	2	28	1 1/2	2 1/2
1508	143T-184T	3 3/4	6 29/64	18	36	1 1/2	9 9/16	16 7/16	16	2	32	1 1/2	2 1/2
	213T-256T				42						38		
1510	143T-213T	3 3/4	8 11/16	18	42	1 1/2	10 19/32	20 11/32	16	2	38	1 1/2	2 1/2
	56-145T	3 3/4	6 1/8	16	32	1 1/2	8 29/64	16 7/16	14	2	28	2	2 1/2
2006	182T-215T				36						32		
	143T-184T	3 3/4	6 29/64	18	36	1 1/2	9 13/16	16 7/16	16	2	32	2	2 1/2
2007	143T-184T	3 3/4	6 29/64	18	36	1 1/2	9 13/16	16 7/16	16	2	32	2	2 1/2
	213T-256T				42						38		
2008	143T-184T	3 3/4	7 11/16	18	39	1 1/2	9 13/16	20 11/32	16	2	35	2	2 1/2
	213T-286TS				46						42		
2010	143T-215T	3 3/4	8 21/64	18	42	1 1/2	10 19/32	20 11/32	16	2	38	2	2 1/2
	143T-184T	3 3/4	6 29/64	18	36	1 1/2	9 13/16	16 7/16	16	2	32	2 1/2	3
2506	213T-256T				42						38		
	143T-184T	3 3/4	7 11/16	18	39	1 1/2	9 9/16	20 11/32	16	2	35	2 1/2	3
2507	143T-184T	3 3/4	7 11/16	18	39	1 1/2	9 9/16	20 11/32	16	2	35	2 1/2	3
	215T-286TS				46						42		
2508	182T-215T	3 3/4	8 23/64	18	42	1 1/2	10 19/32	20 11/32	16	2	38	2 1/2	3
	264T-326TS				49						45		
2510	184T-254T	3 3/4	9 21/64	20	46	1 1/2	11 3/8	20 11/32	18	2	42	2 1/2	3
	184T-284T	4 29/64	10 27/64	22	49	1 1/2	12 3/8	22 5/16	20	2	45	2 1/2	3
2513	145T-215T	4 29/64	8 21/64	18	42	1 1/2	10 19/32	21 5/16	16	2	38	3	4
	254T-326TS				49						45		
3008	184T-254T	4 29/64	9 9/8	20	46	1 1/2	10 19/32	21 5/16	18	2	42	3	4
	184T-284T	4 29/64	10 27/64	22	46	1 1/2	11 3/8	21 5/16	20	2	42	3	4
3010	213T-324T	4 29/64	12 1/2	22	53	1 1/2	13 11/32	22 5/16	20	2	49	3	4
	184T-254T	4 29/64	9 9/8	20	46	1 1/2	10 19/32	21 5/16	18	2	42	3	4
3013	213T-324T	4 29/64	12 1/2	22	53	1 1/2	13 11/32	22 5/16	20	2	49	3	4
	184T-256T	4 29/64	10 27/64	20	46	1 1/2	11 3/8	21 5/16	18	2	42	4	5
4010	213T-286T	5 5/8	10 7/8	22	53	1 1/2	12 3/8	23 1/16	20	2	49	4	5
	215T-326T	5 5/8	12 1/2	22	53	1 1/2	13 11/32	22 5/16	20	2	49	4	5
5007	143T-215T	5 5/8	11	20	42	1 1/2	11 3/8	22 7/32	18	2	38	5	5

Series No. FE	MTR Frame Size	A	B	C	D	E	F	J	K	N	P	R	S
5010	215T-326T	5 5/8	13 39/64	22	53	1 1/2	13 11/32	23 1/16	20	2	49	5	6
	215T-286T	5 5/8	13 29/64	28	50	1 1/2	14 1/32	22 29/64	25	2	46	5	6
5013	324T-365T				55						51		
	213T-286T	6 1/4	14	28	50	1 1/2	14 1/32	23 1/32	25	2	46	6	6
6013	256T-286T	6 1/4	15 15/64	28	50	1 1/2	14 1/32	23 1/16	25	2	46	6	8
	324T-405T				58						54		
8010	254T-326T	6 1/4	16	28	55	1 1/2	15 29/64	24 1/32	25	2	51	8	8

Rating Class: 125 Class A
PRESSURE-TEMPERATURE RATINGS



OPERATING SPECIFICATIONS	
Standard	Optional
Pressure	175 PSIG *
Temperature: Mechanical Seal	250F ***

Motors: All NEMA Standard (T or TS)
* In accordance with ANSI Standard B16.1 Class 125

ADDITIONAL OPTIONS	
Filters	Cuno 5 Micron
Separators	Kynar Cyclone Separator
Couplings	Spacer Type

***For operating temperatures above 250°F, a cooled flush is required and is recommended for temperatures above 225°F for optimum seal life. On closed systems cooling is accomplished by inserting a small heat exchanger in the flush line to cool the seal flushing fluid.

TYPICAL SPECIFICATION

Furnish and install centrifugal end suction single stage pump(s) with capacities and characteristics as shown on the plans. Pumps shall be Taco model FE or approved equal.

Pump volume or casing shall be center-line discharge for positive air venting constructed of class 35 cast iron with integrally cast mounting feet. The pump shall be fitted with replaceable bronze wear rings, drilled and tapped for gauge ports at both the suction and discharge flanges and for drain port at the bottom of the casing.

The impeller shall be bronze and hydraulically balanced by either back vanes or back wear ring and balancing holes. The impeller shall be dynamically balanced and shall be fitted to the shaft with a key.

The pump shall incorporate a dry shaft design to prevent the circulating fluid from contacting the shaft. The pump shaft shall be high tensile steel with replaceable bronze (stainless steel) shaft sleeve.

The cast iron pump bearing housing shall have heavy duty regreaseable ball bearings replaceable without disturbing the piping connections and shall have a foot support at the driver end.

The pump shall have a self flushing seal design or a positive external seal flushing line.

Any mechanical seal pump used on an open system shall be furnished with a seal flush line and a Purocell #900 replaceable cartridge filter with shut-off isolation valve installed in the seal flushing line. The filter shall have the ability to remove particles down to five microns in size. The pump seal shall be EPT Ceramic rated to 250 F.

The base shall be made of structural steel and incorporate a guide rail system to allow the pump and motor to be slid apart for service without risking major misalignment or disturbing the piping. The base shall also include a built-in drain pan. A flexible coupler shall connect the pump to the motor and shall be covered by a coupler guard. Contractor shall level and grout each pump according to the manufacturer's recommendations to insure proper alignment prior to operation.



For more information about Taco products, call or write:

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