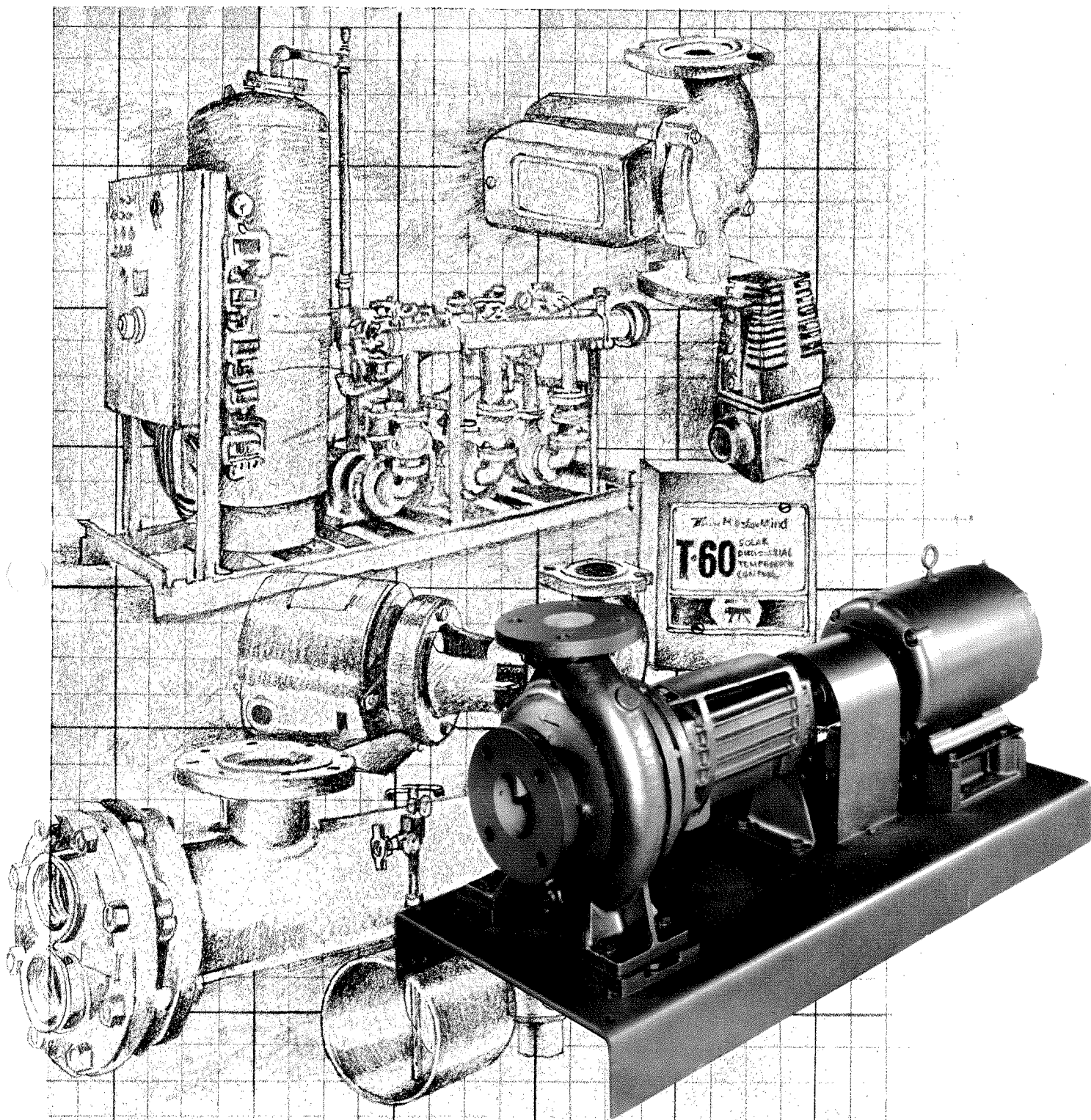


Quality Through Design — COMPARE.



"FM" FRAME-MOUNTED END SUCTION PUMP

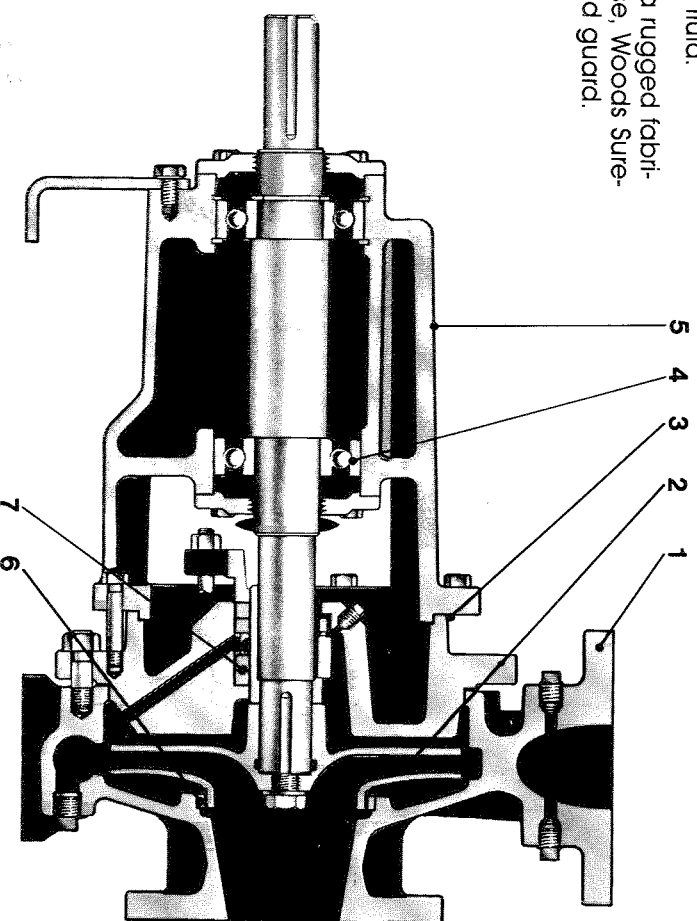
CATALOG 300-2.2

"FM" SERIES FRAME-MOUNTED PUMPS

BALL BEARING
HEAVY DUTY
MODEL

Heavy duty industrial design with rugged ball bearing frame. Bearings isolated from temperature effect of system fluid.

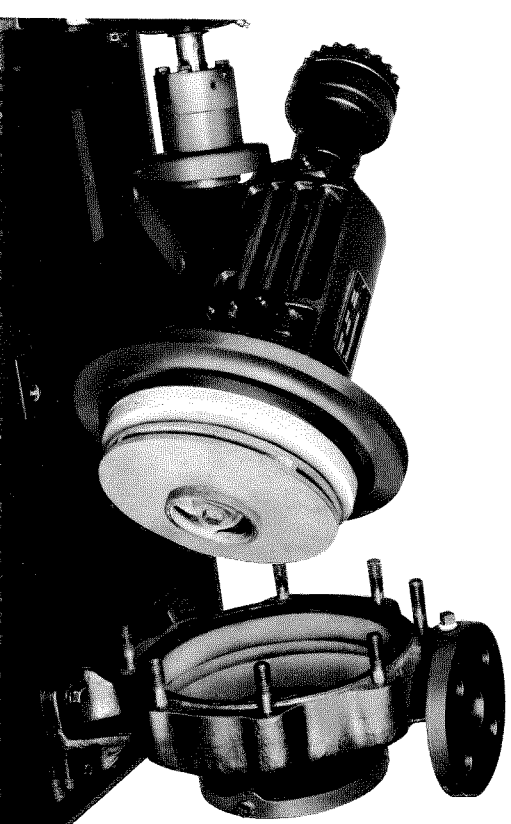
Furnished with a rugged fabric-coated steel base, Woods Sure-Flex coupler and guard.



FEATURES

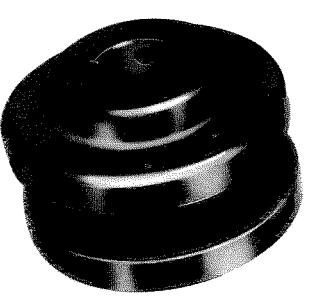
1. Cast iron casing with integrally cast feet. Center line discharge provides self venting casing, reduces piping strain and alignment problems and simplifies plant layout.
2. Advanced impeller design, with Francis vanes as standard on most sizes, provides highly desirable NPSH/Discharge Head combination. Hydraulically balanced by back vanes or, on larger pumps by back wear ring and balancing holes.
3. Back-pull-out facility permits removal of back cover, mechanical seal and impeller without disturbing pipe connections. Drive motor can also remain in place if optional spacer coupling is fitted.
4. Rugged cast iron re-greaseable ball bearing frame as standard. Four basic sizes cover entire range.
5. Just four bearing modules cover the whole range of thirty pumps. All pumps common to one shaft module have identical bearings, shaft sleeves, seals and impeller fixings.
6. Replaceable wear rings are standard in all casings and in back covers of larger pumps.
7. Shaft sealing standard with mechanical seal and shaft sleeve. Optional stuffing box arrangement available. Variations of either to suit special temperature and fluid requirements.

BACK-PULL-OUT



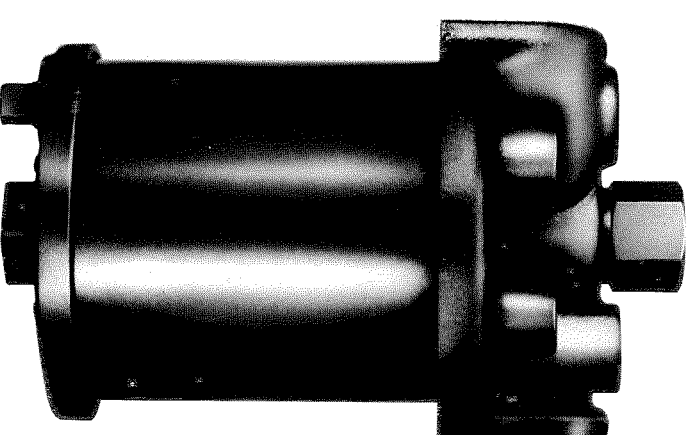
The Taco back-pull-out design allows the bearing frame, seal cover, seal and impeller to be removed without disturbing pipe connections and insulation. Integrally cast feet allow the casing to be self-supporting making maintenance considerably easier.

COUPLING



Woods Sure-Flex couplings have four-way flexing action. They effectively compensate for torsional shock and vibration, parallel and angular misalignment and limited amounts of axial motion.

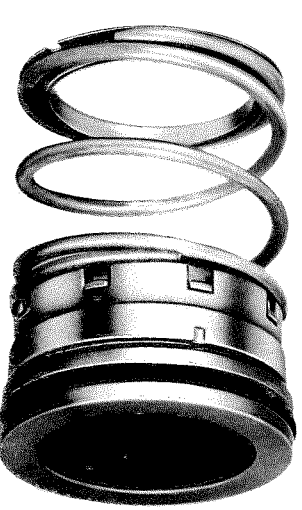
FILTERS AND SEPARATORS



"FM" Series Pumps are available with a 5 micron Cuno®* seal flush line filter for low head pumps — below 50 ft. TDH or a John Crane™ cyclone sediment separator for high head pumps — above 50 ft. TDH. Filter or separator protect the mechanical seal from damage due to system contamination.

*Cuno is a registered trademark of the AMF Corporation.

SEALS



"FM" Series Pumps are available with a wide variety of seal face materials to meet most system conditions. Standard seals have Ni-resist seal with carbon washer; tungsten carbide is available for high temperature or contaminated conditions, and ceramic is available for fresh water applications. Optional external seal flush line available on all models.

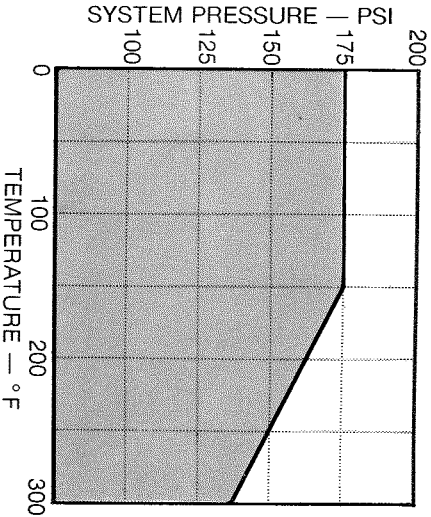


Taco Quality Through Design — COMPARE.

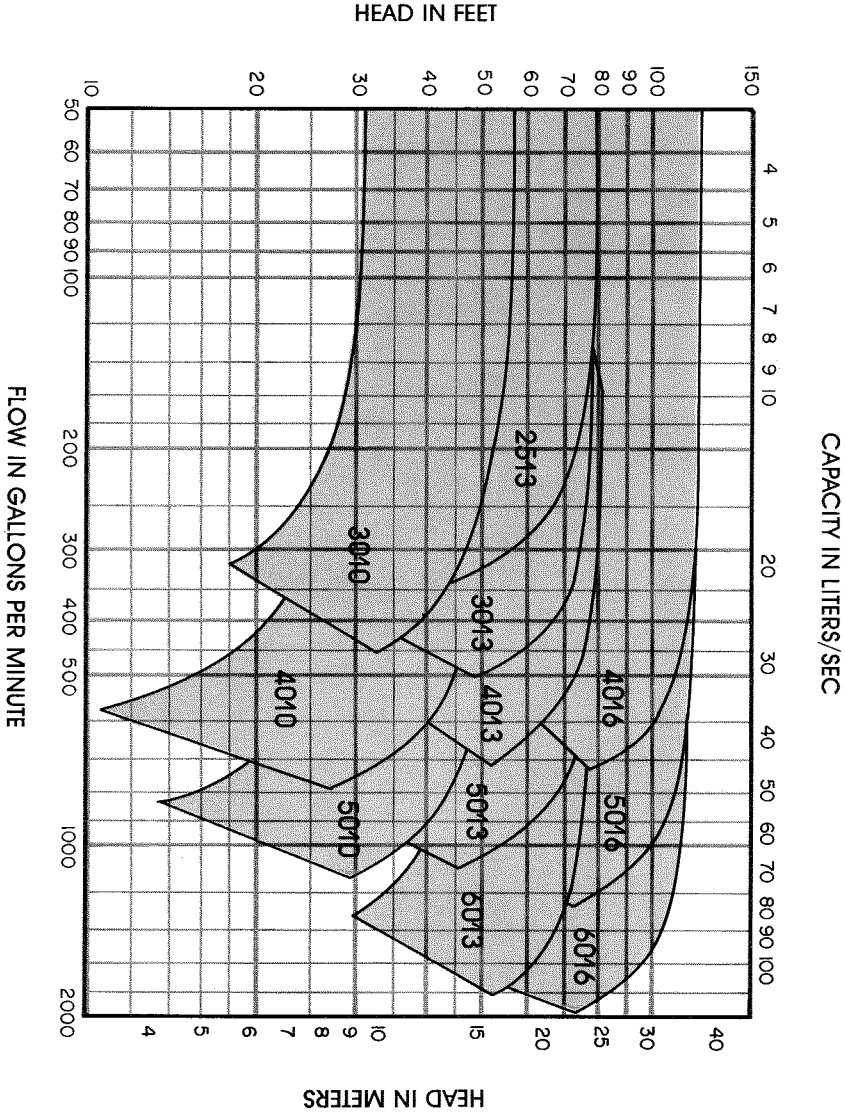
MATERIALS OF CONSTRUCTION

Description	Bronze Fitted	All Iron
Casing	Cast Iron	Cast Iron
Impeller	Bronze	Cast Iron
Wear Rings	Bronze	Cast Iron
Shaft	Carbon Steel	Carbon Steel
Shaft Sleeve	Bronze	St. Steel
Coupler	Woods	
Coupler Guard	Standard	
Base Plate	Fabricated Steel	
Bearings	Ball	
Connections	Flanged ANSI with gauge tappings	
Mechanical Seal	John Crane Type 21	
Flushing Line (Optional)	Copper	
Working Pressure	125 PSI ANSI (up to 175 PSI)	
Motors	NEMA Standard	

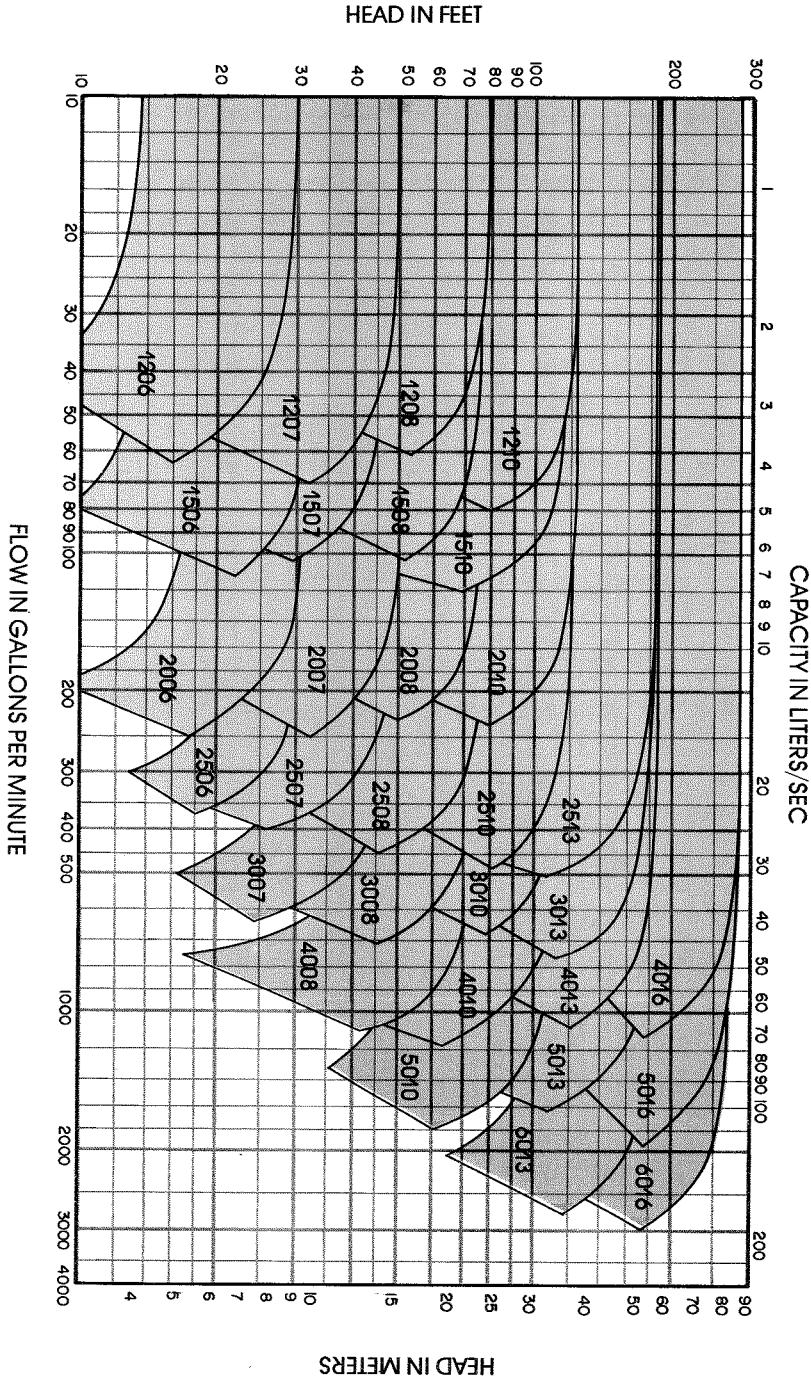
PRESSURE-TEMPERATURE RATINGS



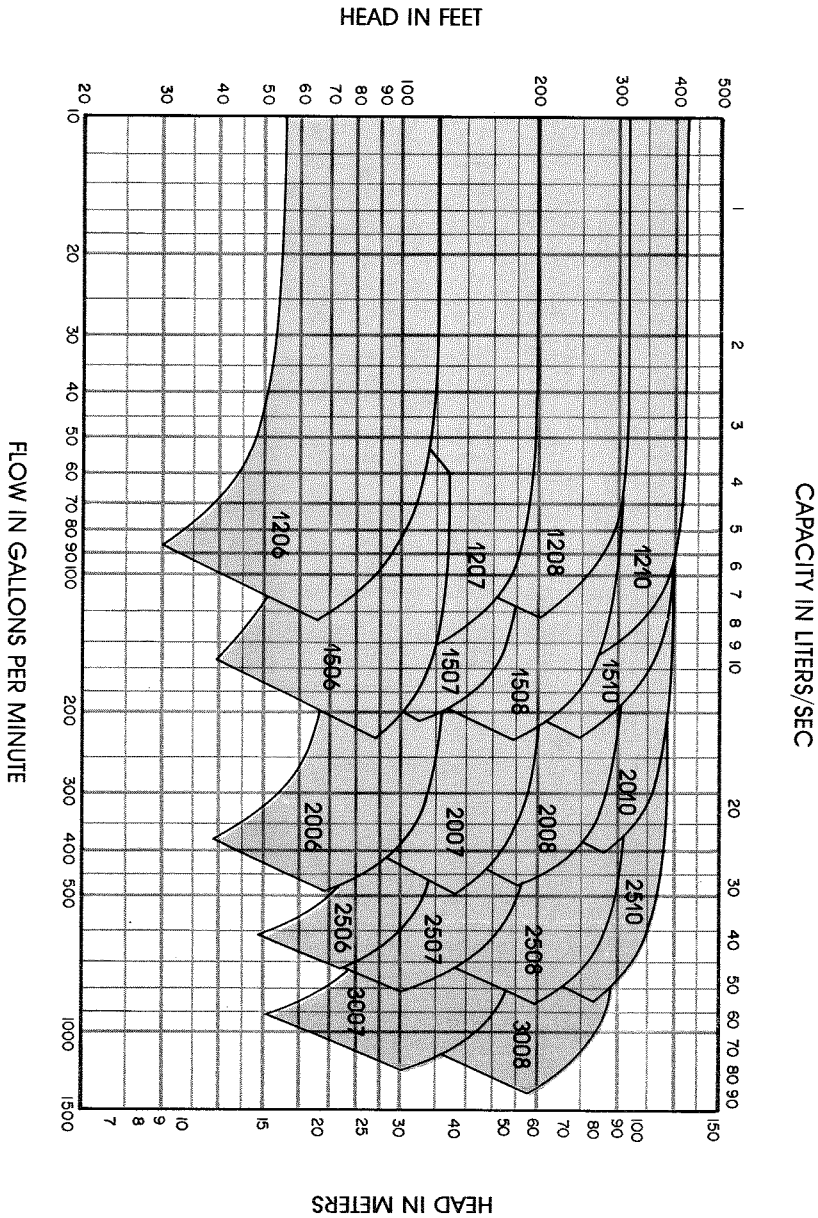
"FM" SERIES
PERFORMANCE FIELD 1150 RPM



"FM" SERIES
PERFORMANCE FIELD 1750 RPM



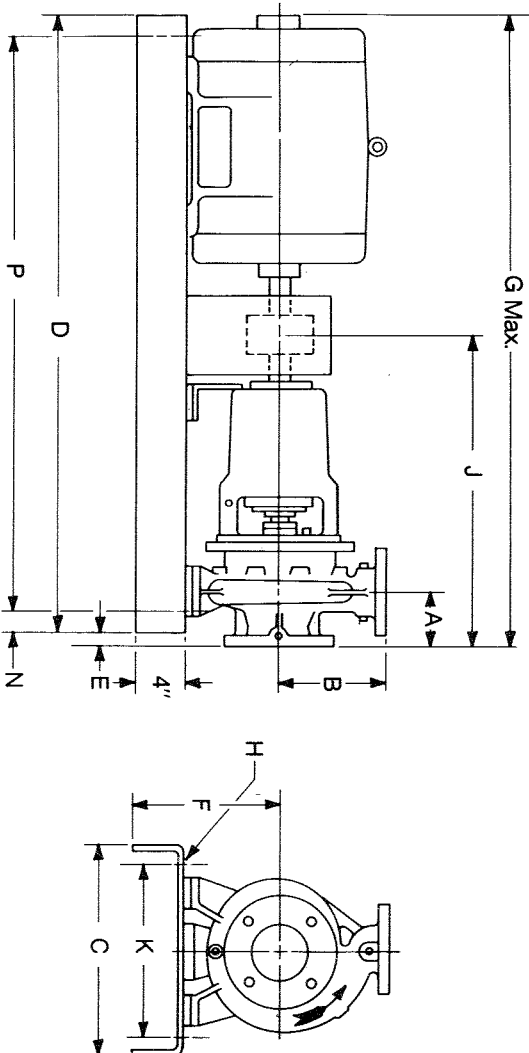
PERFORMANCE FIELD 3450 RPM



Quality Through Design — COMPARE.

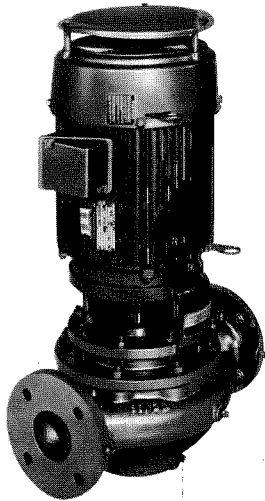
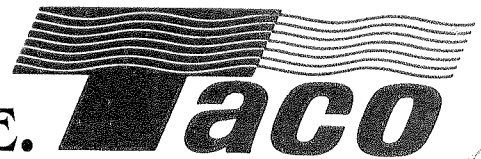
"FM" SERIES PUMP DIMENSIONS

Model No.	Conn.	Motor Frame	A	B	C	D	E +/-	F	G Max.	J	H	K	N	P
1206	2 x 1 1/4	561-184T	2 5/16	5 3/8	13	35 3/8	-13/16	9 1/4	32 3/8	18 1/8	5/8	10 3/4	3/4	33 7/8
1207	2 x 1 1/4	561-184T	2 5/16	6 1/8	13	35 3/8	-13/16	10 1/2	32 3/8	18 1/8	5/8	10 3/4	3/4	33 7/8
		213T-215T				40 7/8			35 3/8					38 5/8
1208	2 x 1 1/4	561-184T	2 5/16	6 15/16	13	35 3/8	-13/16	10 1/2	32 3/8	18 1/8	5/8	10 3/4	3/4	33 7/8
		213T-254T				40 7/8			38 15/16					38 5/8
1210	2 x 1 1/4	145T-215T	3 3/4	8 11/16	18	41	-1 7/16	1 7/8	40 13/16	23 11/32	5/8	15 3/4	1	39
		254T-286T				50			47 11/16					48
1506	2 1/2 x 1 1/2	561-184T	2 5/16	5 3/8	13	35 3/8	-13/16	9 1/4	32 3/8	18 1/8	5/8	10 3/4	3/4	33 7/8
		213T-215T				40 7/8			35 3/8					38 5/8
1507	2 1/2 x 1 1/2	561-184T	2 5/16	6 1/8	13	35 3/8	-13/16	10 1/2	32 3/8	18 1/8	5/8	10 3/4	3/4	33 7/8
		213T-256T				40 7/8			38 15/16					38 5/8
1508	2 1/2 x 1 1/2	561-184T	3 3/4	6 29/32	13	35 3/8	+1/2	10 1/2	33 3/8	18 29/32	5/8	10 3/4	3/4	33 7/8
		213T-256T				40 7/8			42					38 5/8
1510	2 1/2 x 1 1/2	182T-215T	3 3/4	8 11/16	18	41	-1 7/16	1 7/8	40 13/16	23 11/32	5/8	15 3/4	1	39
		254T-256T				50			47 11/16					48
2006	2 1/2 x 2	561-184T	3 3/4	6 1/8	13	35 3/8	0	10 1/2	32 15/16	18 29/32	5/8	10 3/4	3/4	33 7/8
		213T-256T				40 7/8			39 3/4					38 5/8
2007	2 1/2 x 2	561-184T	3 3/4	6 29/32	13	35 3/8	+1/2	10 1/2	33 3/8	18 29/32	5/8	10 3/4	3/4	33 7/8
		213T-256T				40 7/8			42					38 5/8
2008	2 1/2 x 2	145T-184T	3 3/4	7 11/16	13	37 3/8	-1/2	10 1/2	3 79/8	23 11/32	5/8	10 3/4	3/4	43 1/2
		254T-256T				45			45 15/16					43 1/2
2010	2 1/2 x 2	184T-215T	3 3/4	8 11/16	18	41	-1 7/16	1 7/8	40 13/16	23 11/32	5/8	15 3/4	1	39
		284T-286T				50			47 11/16					48
2506	3 x 2 1/2	561-184T	3 3/4	6 29/32	13	35 3/8	-1/4	13	50 7/8	18 29/32	5/8	10 3/4	3/4	49 7/8
		213T-256T				40 7/8			31 7/8					33 7/8
2507	3 x 2 1/2	145T-184T	3 3/4	7 11/16	13	37 3/8	0	10 1/2	41 1/2	23 11/32	5/8	10 3/4	3/4	35 7/8
		215T-256T				45			41 7/16					43 1/2
2508	3 x 2 1/2	284T-326T			18	50			48 5/8			15 3/4		48 1/2
		182T-215T	3 3/4	8 11/16	18	41	-1 7/16	1 7/8	40 13/16	23 11/32	5/8	15 3/4	1	39
		284T-286T				50			47 11/16					48
2510	3 x 2 1/2	213T-215T	3 3/4	9 21/32	18	41	-1 7/16	1 7/8	40 13/16	23 11/32	5/8	15 3/4	1	39
		284T-286T				50			47 11/16					48
2513	3 x 2 1/2	213T-215T	4 23/32	10 13/16	18	41	+1/16	1 327/32	43 1/16	25 19/32	5/8	15 3/4	1	42 1/8
		254T-286T				50			50 7/8					46
3007	4 x 3	182T-213T	4 23/32	8 11/16	18	41	-1/2	1 17/8	40 3/8	24 11/32	5/8	15 3/4	1	39
		254T-256T				50			48 11/16					48
3008	4 x 3	184T-215T	4 23/32	9 5/8	18	51 7/8	+11/16	12	50 5/8					49 7/8
		254T-256T				41	-1/2	1 17/8	41 7/8	24 11/32	5/8	15 3/4	1	39
3010	4 x 3	184T-215T	4 23/32	10 27/32	18	41	0	1 17/8	42 3/8	24 11/32	5/8	15 3/4	1	39
		284T-286T				50			49 1/8					48
3013	4 x 3	213T-215T	4 23/32	12 7/32	18	41 1/8	0	1 327/32	43 1/16	25 19/32	5/8	15 3/4	1	42 1/8
		254T-286T				50			50 7/8					46
		324T-326T				51 7/8	+15/16							49 7/8



Model No.	Conn.	Motor Frame	A	B	C	D	E +/-	F	G Max.	J	H	K	N	P
4008	5 x 4	213T-215T	4 23/32	10 27/32	18	41	-1/2	1 17/8	41 7/8	24 11/32	5/8	15 3/4	1	39
		254T-256T				50			46 15/16					48
4010	5 x 4	213T-215T	5 5/16	10 27/32	18	41 1/8	+5/8	1 327/32	43 3/8	26 3/16	5/8	15 3/4	1	42 1/8
		254T-286T				50			51 3/8					46
		284T-286T				51 7/8	+15/16		52 1/16					49 7/8
4013	5 x 4	213T-215T	5 5/16	12 7/32	18	41 1/8	+5/8	1 327/32	43 3/8	26 3/16	5/8	15 3/4	1	42 1/8
		254T-286T				50			51 3/8					46
		324T-326T				51 7/8	+15/16		53 15/16					49 7/8
4016	5 x 4	284T-326T	5 5/16	13 25/32	24	55	-1 1/16	1 613/32	56 1/16	26 3/16	7/8	20 3/4	1	53
		254T-286T				50			51 3/8					46
		324T-365T				51 7/8	+15/16		53 15/16					49 7/8
		404T-405T				59			60 7/16					55 1/2
5010	6 x 5	213T-215T	5 5/16	13 25/32	18	41	+5/8	1 327/32	43 3/8	26 3/16	5/8	15 3/4	1	42 1/8
		254T-286T				50			51 3/8					46
		284T-286T				51 7/8	+15/16		53 15/16					49 7/8
5013	6 x 5	324T-365T	5 5/16	13 25/32	24	55	-1 1/16	1 613/32	56 1/16	26 3/16	7/8	20 3/4	1	53
		284T-286T				50			51 3/8					46
		284T-286T				51 7/8	+15/16		53 15/16					49 7/8
5016	6 x 5	284T-286T	5 15/16	15 9/16	24	55	-1 1/16	1 613/32	56 1/16	26 3/16	7/8	20 3/4	1	53
		324T-365T				59			60 7/16					55 1/2
		404T-405T				64			66 3/16					63
6013	8 x 6	284T-286T	6 3/32	15 9/16	24	55	+1/2	1 613/32	57 5/8	26 3/16	7/8	20 3/4	1	53
		324T-365T				59			65 3/4					63
		404T-405T				64			66 3/4					63
6016	8 x 6	284T-365T	6 3/32	17 17/32	24	55	+1/2	1 613/32	57 5/8	26 3/16	7/8	20 3/4	1	53
		284T-365T				59			62					55 1/2
		404T-405T				64			67 3/4					63

Quality Through Design — COMPARE.



Close-Coupled In-Line Pumps
Series VL

TACO "FM" Frame-Mounted Pumps are based on the latest International standards relating to hydraulic performance and dimensional characteristics offering the end user many overall advantages.

The "FM" units feature a rugged cast iron regreasable ball bearing frame requiring only (4) bearing frame modules to cover the whole range of (30) models.

Trouble-free operation and easy maintenance is insured by the center-line discharge and back-pull-out features.

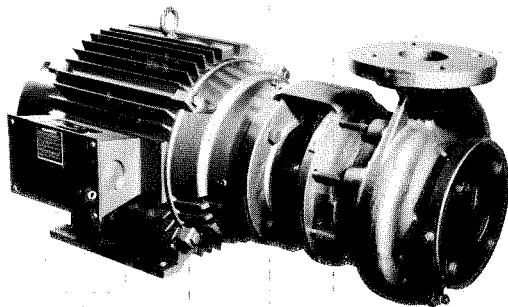
"FM" Pumps incorporate an advanced design impeller which contributes significantly to their efficient performance and quiet operation.

Impeller wear rings, shaft sleeves and gauge tappings are provided as standard. Additionally, a flushed stuffing box with lantern ring is available for special applications.

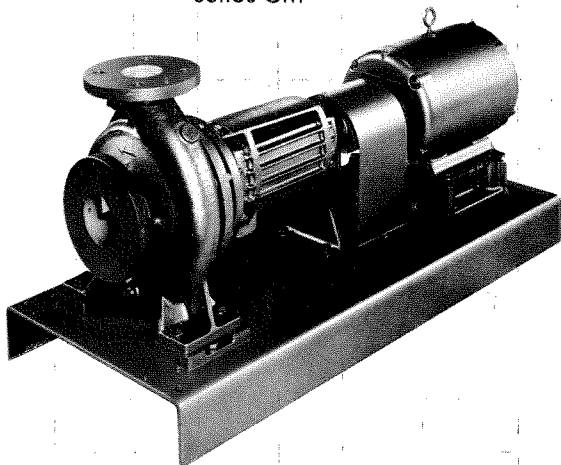
There are (30) pump models in the Frame-Mounted range with sizes from 1 1/4" x 2" to 6" x 8", motor horsepower ranging from 1 HP to 200 HP, with models available in either 2, 4, or 6 pole motor speeds.

There is a high degree of interchangeability with TACO Close-Coupled End Suction and In-Line pumps. This offers both the end user and distributor the advantages of minimum parts inventory, choice of type to suit plant layout, standard dimensions and specifications.

Heating, air-conditioning, pressure boosting, cooling water transfer, water supply — these are some of the applications for which the TACO "FM" pump is ideally suited.



Close-Coupled End Suction Pumps
Series CM



Frame-Mounted End Suction Pumps
Series FM



TACO, INC., 1160 Cranston Street, Cranston, Rhode Island 02920 Telephone (401) 942-8000 Telex: 92-7627
TACO (Canada) Ltd., 1310 Aimco Blvd., Mississauga, Ontario L4W 1B2 Telephone (416) 625-2160 Telex: 06-961179

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