HTO™ 300

3" x 2-1/2" End Suction Centrifugal Hot Oil Pump

HTO300 is a patented, unique centrifugal pump designed for high temperature applications, such as the plastics, chemical, food and processing industries. The pump can be used in horizontal or vertical positions and is available with or without an electric motor. It is designed to greatly reduce the temperature at the seal by utilizing ambient air temperature which greatly increases seal life.

Want to learn more about using pumps with heat transfer fluids? Click here to view “Using Pumps with Heat Transfer Fluids” an article featured in Process Heating Magazine written by MP Pumps’ Chief Engineer.



Application

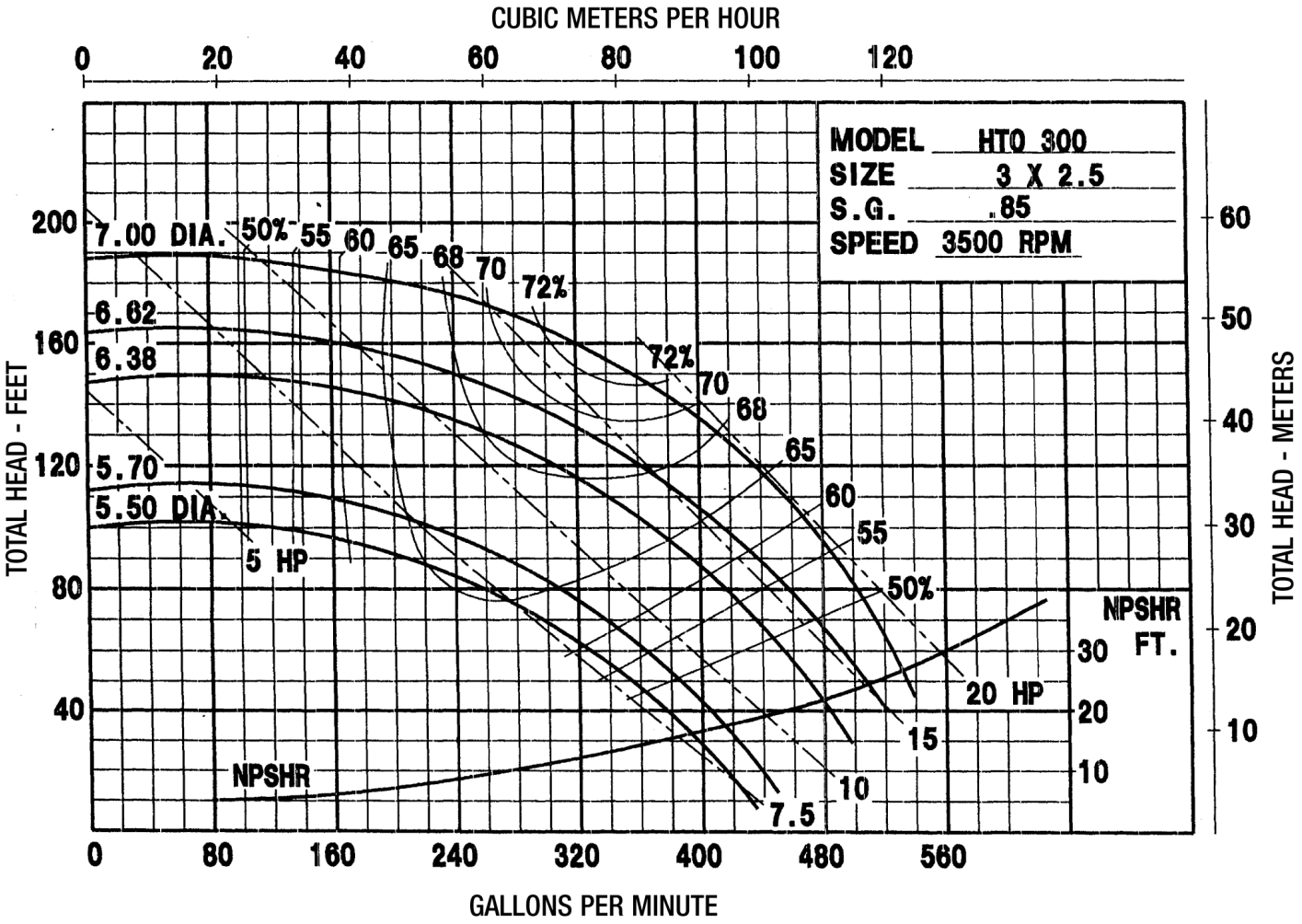
- Industrial
- OEM

Drive Sleeve

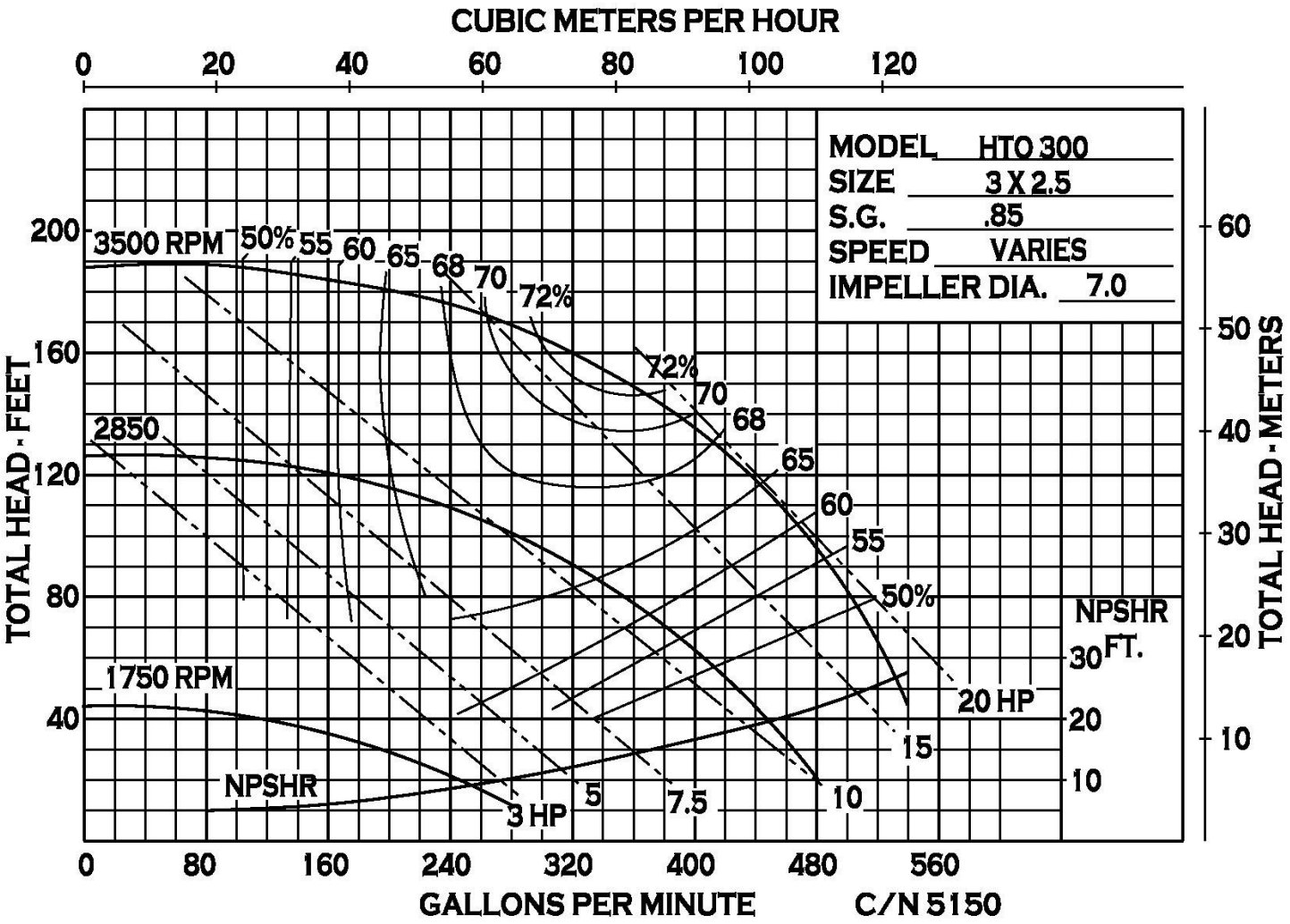
- 303 stainless steel

SPECIFICATIONS:

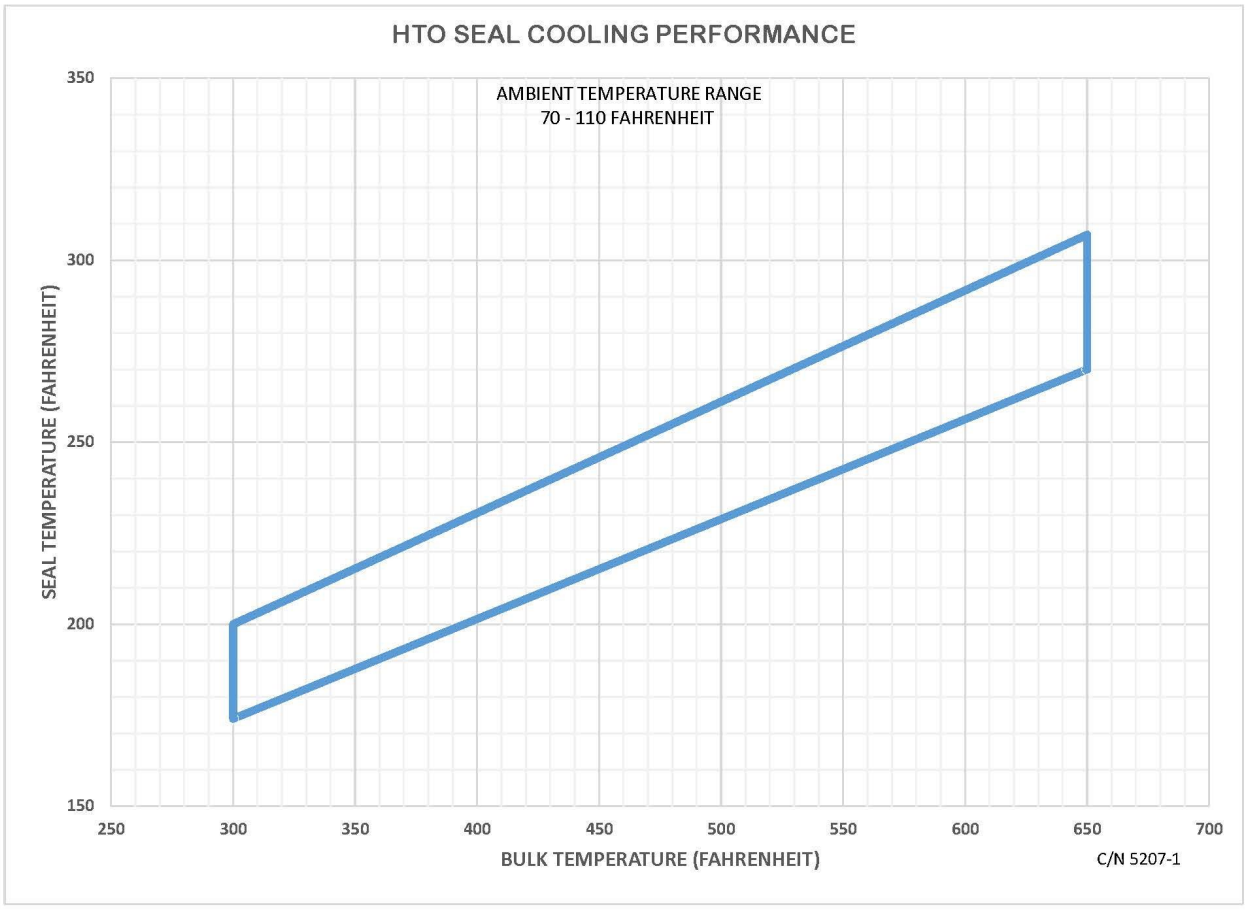
Suction And Discharge	3" x 2-1/2" ANSI 150# flat flange
Materials Of Construction	Ductile iron
Flow	Up to 500 GPM
Head Feet	Up to 190'
Impeller	7.0" cast iron, enclosed
Motor	Up to 20 HP
Drive Options	Close coupled 184TC, Close coupled 215TC, Pedestal, PumPAK® (without motor)
Seal	Carbon / silicon carbide / Viton, Optional severe duty seal available
Temperature	650°F max



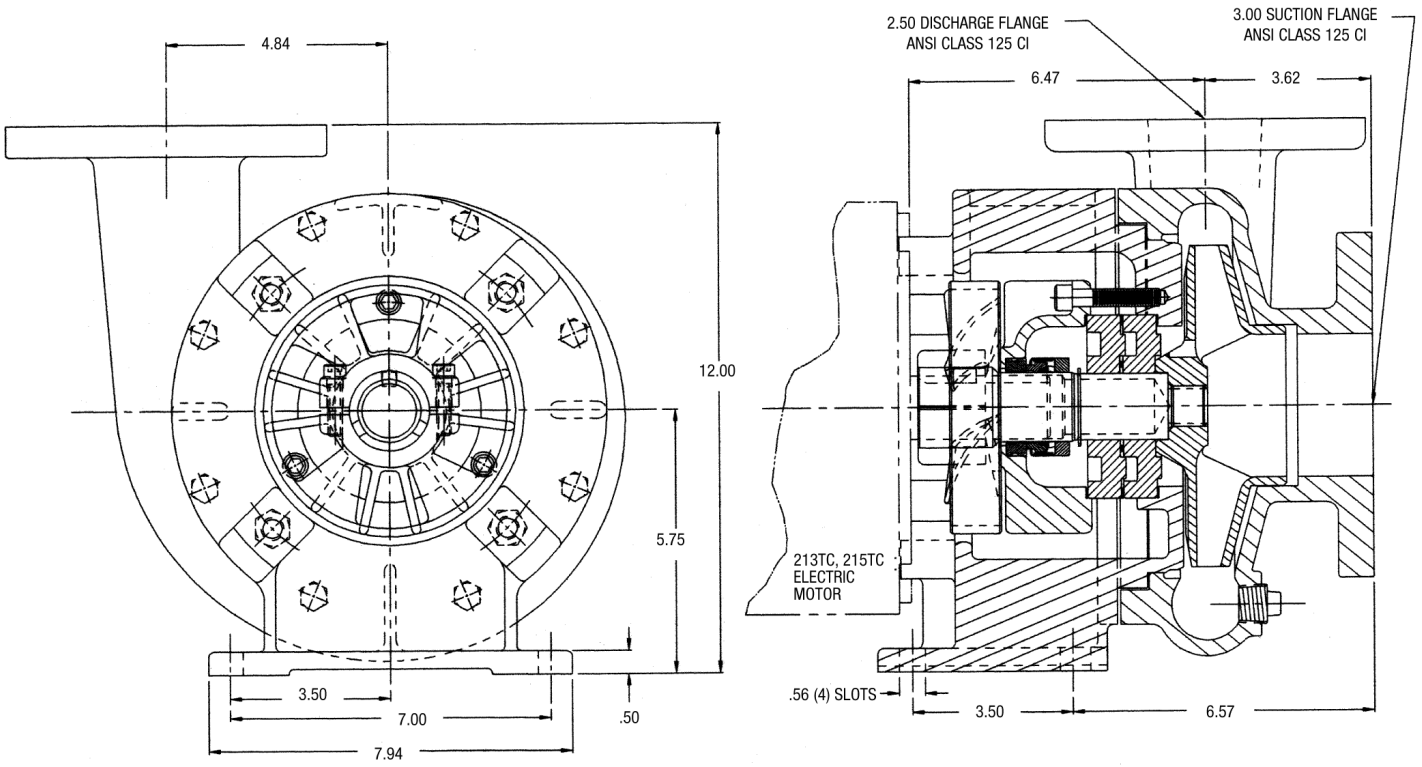
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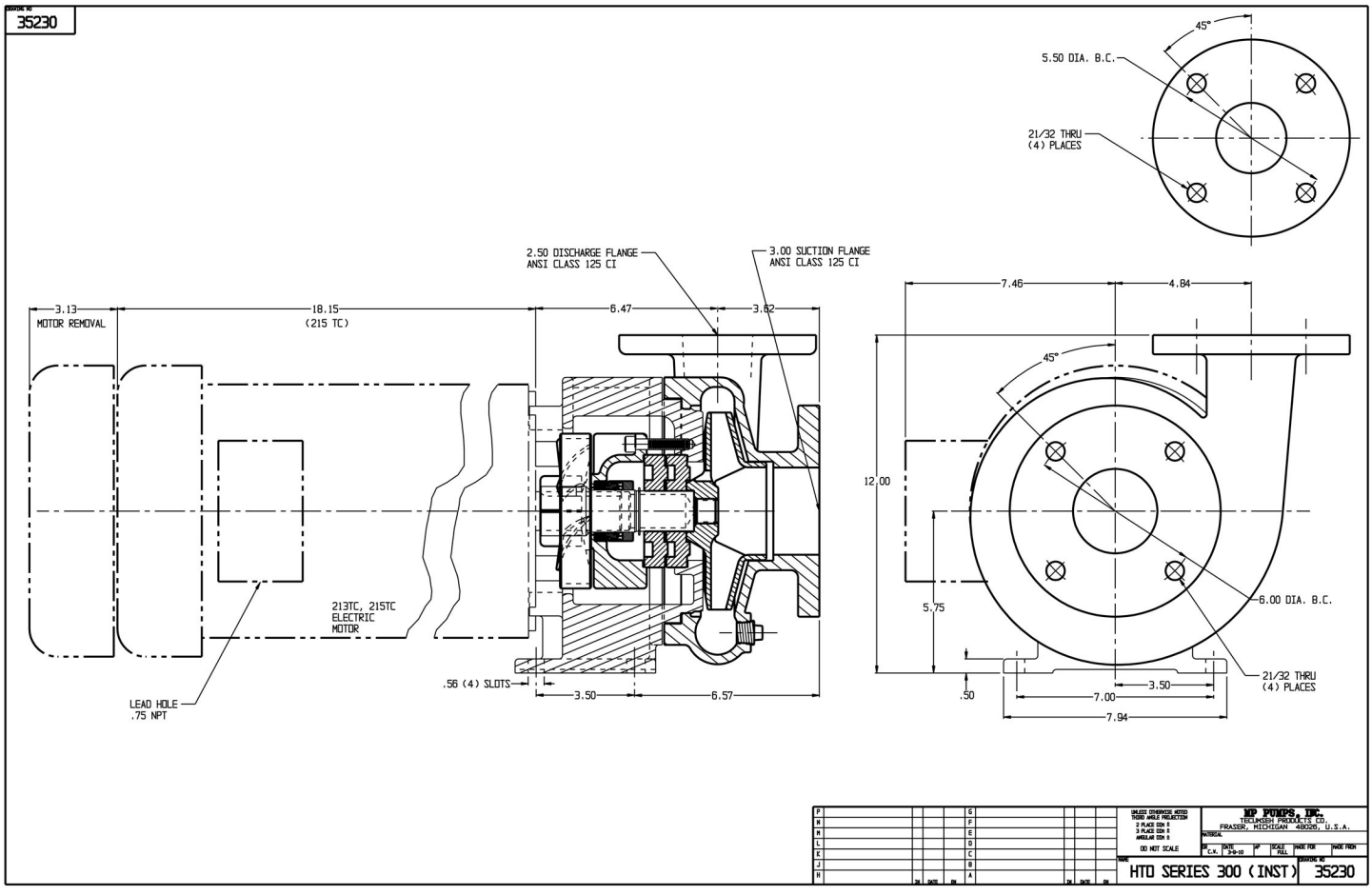


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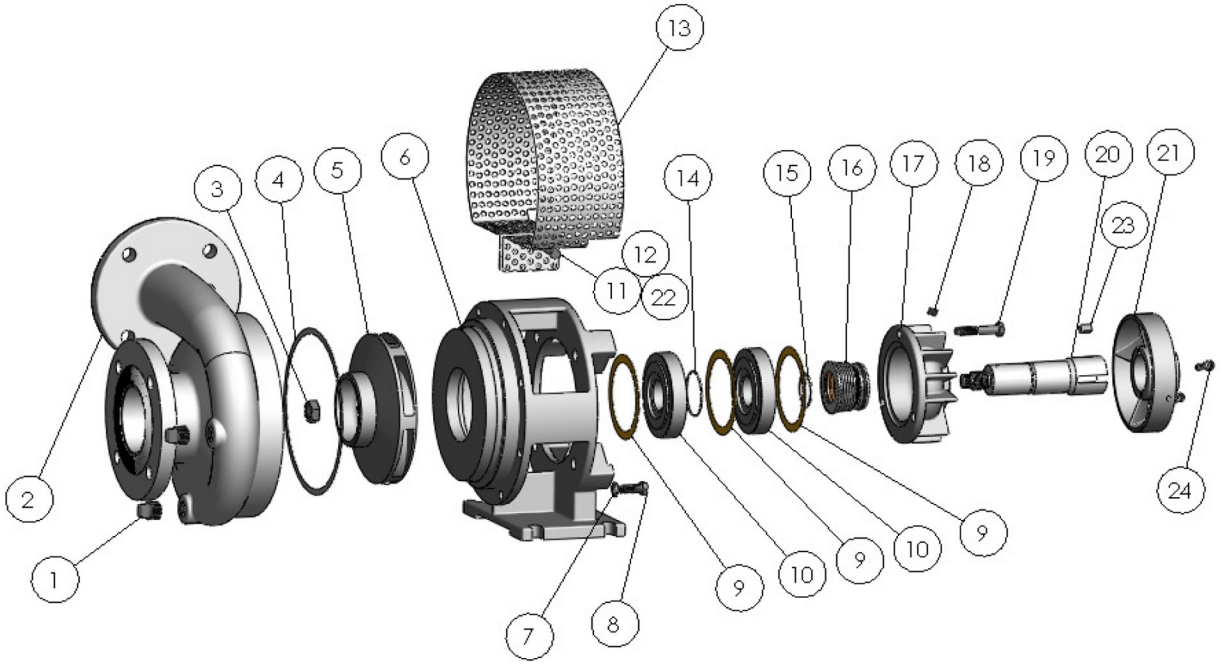


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4.84
12.00
5.75
3.50
7.00
7.94
.50
2.50 DISCHARGE FLANGE
ANSI CLASS 125 CI
3.00 SUCTION FLANGE
ANSI CLASS 125 CI
6.47
3.62
213TC, 215TC
ELECTRIC
MOTOR
.56 (4) SLOTS
3.50
6.57


35230
45°
5.50 DIA. B.C.
21/32 THRU
(4) PLACES
2.50 DISCHARGE FLANGE
ANSI CLASS 125 CI
3.00 SUCTION FLANGE
ANSI CLASS 125 CI
3.13
MOTOR REMOVAL
18.15
(215 TC)
6.47
3.62
213TC, 215TC
ELECTRIC
MOTOR
LEAD HOLE
.75 NPT
.56 (4) SLOTS
3.50
6.57
7.46
4.84
45°
12.00
5.75
6.00 DIA. B.C.
21/32 THRU
(4) PLACES
.50
7.00
3.50
7.94
MP PUMPS, INC.
HTO SERIES 300 (INST)
35230

35223

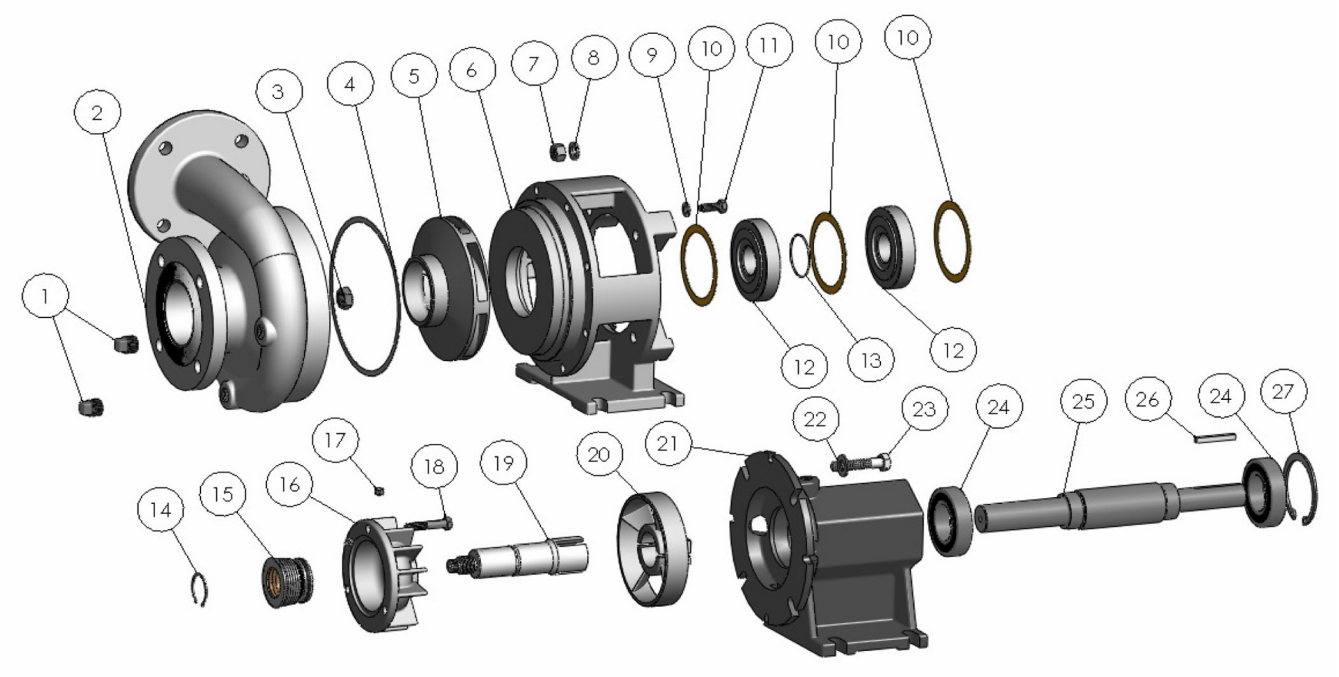


	ITEM NO.	PART NO.	DESCRIPTION	QTY.
	1	41479	1/2" NPT PIPE PLUG PLATED STL	2
	2	26733	HOUSING FLAT FLANGE	1
	3	25168	HEX JAM NUT S.S.- 5/8-18	1
*	4	31519	GASKET: 7.8X7.27X.03 GARLOCK 9850	1
	5	29823	IMPELLER C MACH: HTO-300 Ø7.0	1
	6	29828	ADAPTER D MACH: HT0 300	1
	7	30626	LOCK WASHER SS 3/8 X 1/8	8
	8	41256	CAPSCREW STL: HH 3/8-16X1.0 GR.5	8
*	9	29825	GASKET: 3.98X3.23X.03 GARLOCK	3
*	10	30842	ISOLATER	2

*RECOMMENDED REPLACEMENT PARTS

	ITEM NO.	PART NO.	DESCRIPTION	QTY.
	11	33810	CAPSCREW ZPS - 1/4-20 X 1.75	1
	12	21241	HEX NUT S.S. - 1/4-20	1
	13	33274	SHIELD ZPS	1
*	14	30841	O RING - VITON	1
	15	29826	SNAP RING STL: 1.387X.05	1
	16	34933	SEAL ASSY. T-2	1
	17	29830	SEAL HSG D - HTO-300	1
	18	30824	PIPE PLUG STL. - 1/8" NPT	1
	19	21277	CAPSCREW SS:HH 3/8-16 X 2	3
	20	29822	DRIVE SLEEVE SS 215TC	1
	21	29833	CLAMP FAN	1
	22	27261	WASHER STL.	2
	23	29831	KEY STL. - 5/16 X .50	1
	24	30264	CAPSCREW STL. - 5/16-18 X 1.25	2

38263



ITEM NO.	PART NO.	DESCRIPTION	QTY.		ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	41479	1/2" NPT PIPE PLUG PLATED STL	2		14	29826	SNAP RING STL: 1.387X.05	1
2	26733	HOUSING FLAT FLANGE	1	*	15	34933	SEAL ASSY. T-2	1
3	25168	HEX JAM NUT S.S.- 5/8-18	1		16	29830	SEAL HSG D - HTO-300	1
* 4	31519	GASKET: 7.8X7.27X.03 GARLOCK 9850	1		17	30824	PIPE PLUG STL. - 1/8" NPT	1
5	29823	IMPELLER C MACH: HTO-300 Ø7.0	1		18	21277	CAPSCREW SS:HH 3/8-16 X 2	3
6	29828	ADAPTER D MACH: HT0 300	1		19	29822	DRIVE SLEEVE S.S.	1
7	41553	HEXNUT STL. - 1/2-13	4		20	29833	CLAMP FAN ASSY.	1
8	41387	L'WASHER ZPS - 1/2"	4		21	34889	BEARING HOUSING C	1
9	30626	LOCK WASHER S.S. 3/8 X 1/8	8		22	34350	WASHER FLAT S.S. - .50	4
* 10	29825	GASKET: 3.98X3.23X.03 GARLOCK	3		23	34890	CAPSCREW STL.- 1/3-13 X 2.5 GRADE 5	4
11	41256	CAPSCREW STL: HH 3/8-16X1.0 GR.5	8		24	31804	BALL BEARING SEALED	2
* 12	30842	ISOLATER	2		25	34891	SHAFT S.S.	1
* 13	30841	O RING - VITON	1		26	33232	SQ KEY: 1/4 X 1/4 X 2.00	1
					27	31803	SNAP RING STL.- N5000-334	1

*RECOMMENDED REPLACEMENT PARTS

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