Submittal Data Information

GT Series Pumps (50 Hz – IEC)

301-1920 I

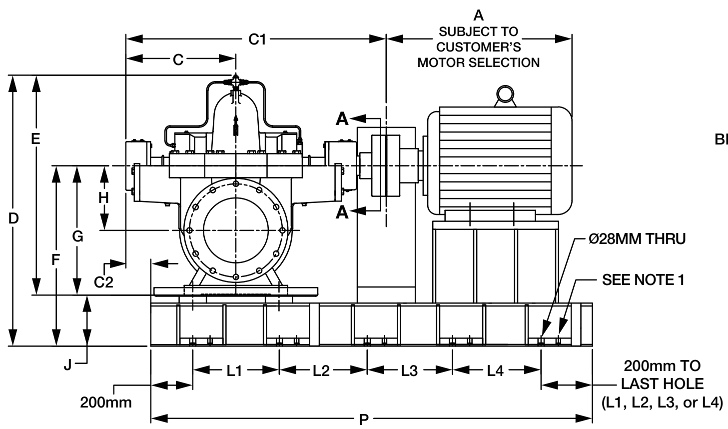
EFFECTIVE: September 12, 2017 SUPERSEDES: November 1, 2011 1450 RPM MODEL 45043

JOB ______________________________ ENGINEER ______________________________

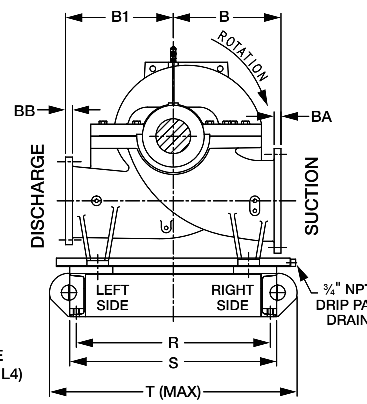
CONTRACTOR ______________________________ REP. ______________________________

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.

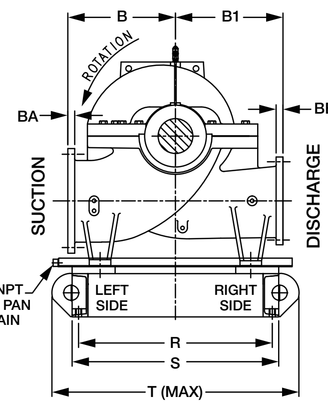
WEIGHT ________________ PUMP/MOTOR ________________



SECTION A-A
C.W. ROTATION
VIEWED FROM COUPLING END
MOTOR NOT SHOWN



SECTION A-A
C.C.W. ROTATION
VIEWED FROM COUPLING END
MOTOR NOT SHOWN



MOTOR HP & FRAME COMBINATIONS

Model No. Flange Size	KW 1450 RPM	IEC Motor Frame IP55
45043	185	315L
	250	355M
18 x 16	300	355L
	335	355L
(457 x 406)	375	400M

English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ( ).

Dimensions are subject to change without notice. Do not use for construction purposes unless certified.

Standard motors are all 380/415V, 50 Hz, 3 Phase.

NOTE 1: Smaller holes are for alignment. Dimensions not supplied.

MOTOR & FRAME DIMENSIONS

* Motor dimensions are approximate and vary by manufacturer and motor type.

Model No. Flange Size	IEC Motor Frame	A* (Maximum Value)	J	L1	L2	L3	L4	P	R	S	T
45043	315L	47.64 (1210)	9.33 (237)	28.35 (720)	28.35 (720)	28.35 (720)	N/A	100.79 (2560)	44.88 (1140)	47.09 (1196)	53.94 (1370)
18 x 16	355M	62.80 (1595)		33.20 (843)	33.20 (843)	33.20 (843)		115.35 (2930)			
	355L										
(457 x 406)	400M	75.79 (1925)		27.36 (695)	27.36 (695)	27.36 (695)	27.36 (695)	125.20 (3180)			

PUMP DIMENSIONS

Model No. Flange Size	IEC Motor Frame	B ANSI Class 125	B ANSI Class 250	B1 ANSI Class 125	B1 ANSI Class 250	BA ANSI Class 125	BA ANSI Class 250	BB ANSI Class 125	BB ANSI Class 250	C	C1	C2	D	E	F	G	H
45043	315L	29.53 (750)	30.39 (772)	25.59 (650)	26.34 (669)	1.56 (40)	2.38 (60)	1.44 (37)	2.25 (57)	24.49 (622)	58.46 (1485)	1.22 (31)	60.31 (1532)	50.98 (1295)	38.86 (987)	29.53 (750)	15.75 (400)
	355M																
18 x 16	355L																
(457 x 406)	400M																

MATERIALS OF CONSTRUCTION

Item	Bronze Fitted		All Iron	
	Standard	Optional	Standard	Optional
Casing	Cast Iron ASTM A48 Class 30A	N/A	Cast Iron ASTM A48 Class 30A	N/A
Impeller	Bronze ASTM B584-836	Stainless Steel AISI 304	Stainless Steel AISI 304	Stainless Steel AISI 304
Wear Ring	Bronze ASTM B584-836	N/A	Stainless Steel AISI 420	N/A
Shaft	Carbon Steel AISI 1045	Stainless Steel AISI 420	Carbon Steel AISI 1045	Stainless Steel AISI 420
Shaft Sleeve	Bronze ASTM B584-836	Stainless Steel AISI 420	Stainless Steel AISI 420	N/A
Mechanical Seal	Carbon/ Silicon Carbide Viton	N/A	Carbon/ Silicon Carbide Viton	N/A
Seal Flush Line	Copper	CF	Copper	N/A

CF - Consult Factory N/A - Not Available

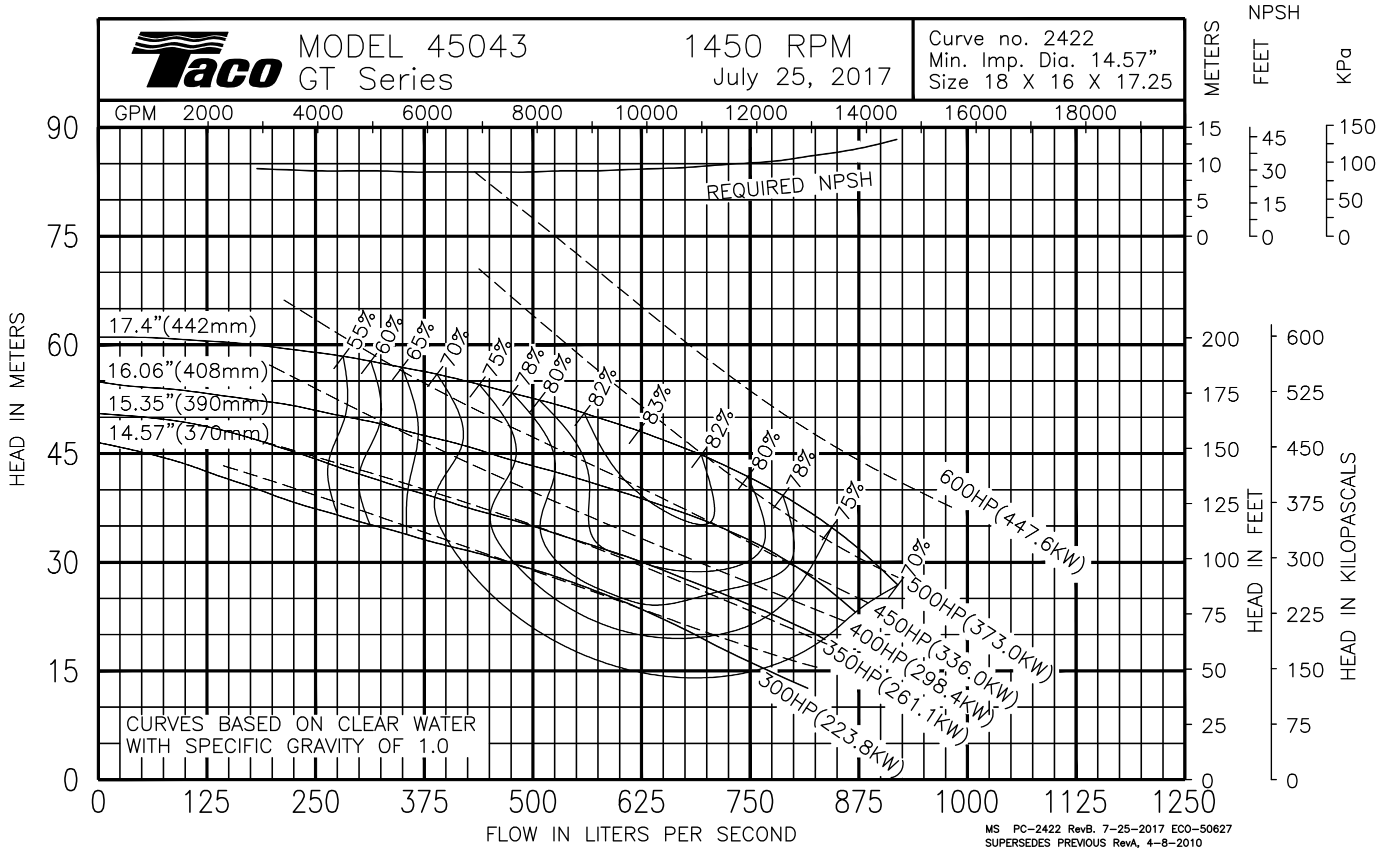
OPERATING SPECIFICATIONS

	Standard	Optional
Flange	ANSI Class 125	ANSI Class 250
Pressure	175 PSIG* (1210 KPA)	300 PSIG** (2070 KPA)
Temperature	250°F (120°C)	250°F (120°C)

* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250

MAXIMUM ASSEMBLY WEIGHT (INCLUDING MOTOR)

IEC Motor Frame	Weight Lbs (Kg)
315L	10500 (4763)
355M	12000 (5443)
355L	12500 (5670)
400M	13500 (6124)



Comments: ______________________________

Taco Comfort Solutions® A Taco Family Company
Taco, Inc., 1160 Cranston Street, Cranston, RI 02920 | Tel: (401) 942-8000 | FAX: (401) 942-2360
Taco (Canada), Ltd., 8450 Lawson Road, Suite #3, Milton, Ontario L9T 0J8 | Tel: (905) 564-9422 | FAX: (905) 564-9436
Visit our web site: www.TacoComfort.com | Printed in USA |