Submittal Data Information

GT Series Pumps (60 Hz – NEMA)

301-1752

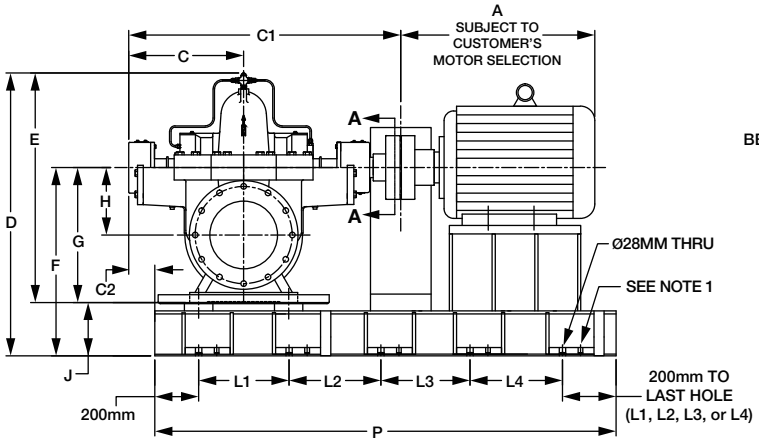
EFFECTIVE: SEPTEMBER 12, 2017 SUPERSEDES: November 1, 2011 1760 RPM MODEL 45043

JOB _____ ENGINEER _____

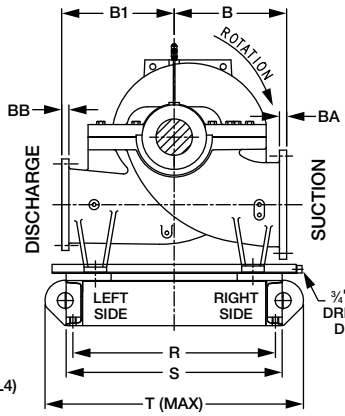
CONTRACTOR _____ REP. _____

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

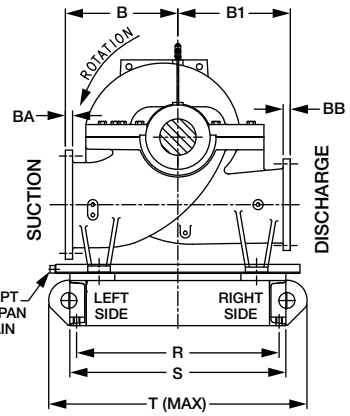
WEIGHT _____ PUMP/MOTOR _____



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	HP 1760 RPM	MOTOR FRAME - ODP		MOTOR FRAME - TEFC	
		460 VOLT *	2300/4160 VOLT	460 VOLT *	2300/4160 VOLT
45043	500	E5008	E5010	G5010	G5010
	600	E5010	E5010	G5012	G5012
	700	E5010	E5010	G5012	G5012
18 x 16 (457 x 406)	800	E5012	E5012	G5012	G5012
	900	E5012	E5012	G5012	G5012
	1000	N/A	E5810	N/A	G400J

For all customer supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at time of order entry.

Submittal dimensions for motor frames above 449 NEMA are specific to Baldor Electric Motors only.

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 voltage is 230/460 for motors up to 100HP.**

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	NEMA Motor Frame	A** (Maximum Value)	J	L1	L2	L3	L4	P	R	S	T
45043	E5008	49.02 (1245)	9.33 (237)	30.31 (770)	30.31 (770)	30.31 (770)	N/A	106.69 (2710)	44.88 (1140)	47.09 (1196)	53.94 (1370)
	E5010	67.40 (1712)		32.55 (827)	32.55 (827)	32.55 (827)		113.39 (2880)			
	G5010			35.43 (900)	35.43 (900)	35.43 (900)		122.05 (3100)			
18 x 16 (457 x 406)	E5012	75.39 (1915)		23.52 (597)	23.52 (597)	23.52 (597)	23.52 (597)	109.84 (2790)	46.06 (1170)	48.27 (1226)	55.12 (1400)
	G5012			26.38 (670)	26.38 (670)	26.38 (670)	26.38 (670)	121.26 (3080)			
	E5810	63.11 (1603)		23.31 (592)	23.31 (592)	23.31 (592)	23.31 (592)	108.98 (2768)			
	G400J	86.20 (2192)		29.11 (739)	29.11 (739)	29.11 (739)	29.11 (739)	132.20 (3358)			

PUMP DIMENSIONS

Model No. / Flange Size	NEMA Motor Frame	B		B1		BA		BB		C	C1	C2	D	E	F	G	H
		ANSI Class 125	ANSI Class 250	ANSI Class 125	ANSI Class 250	ANSI Class 125	ANSI Class 250	ANSI Class 125	ANSI Class 250								
45043	E5008	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)
	E5010																
	G5010																
18 x 16 (457 x 406)	E5012																
	G5012																
	E5810																
	G400J																

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

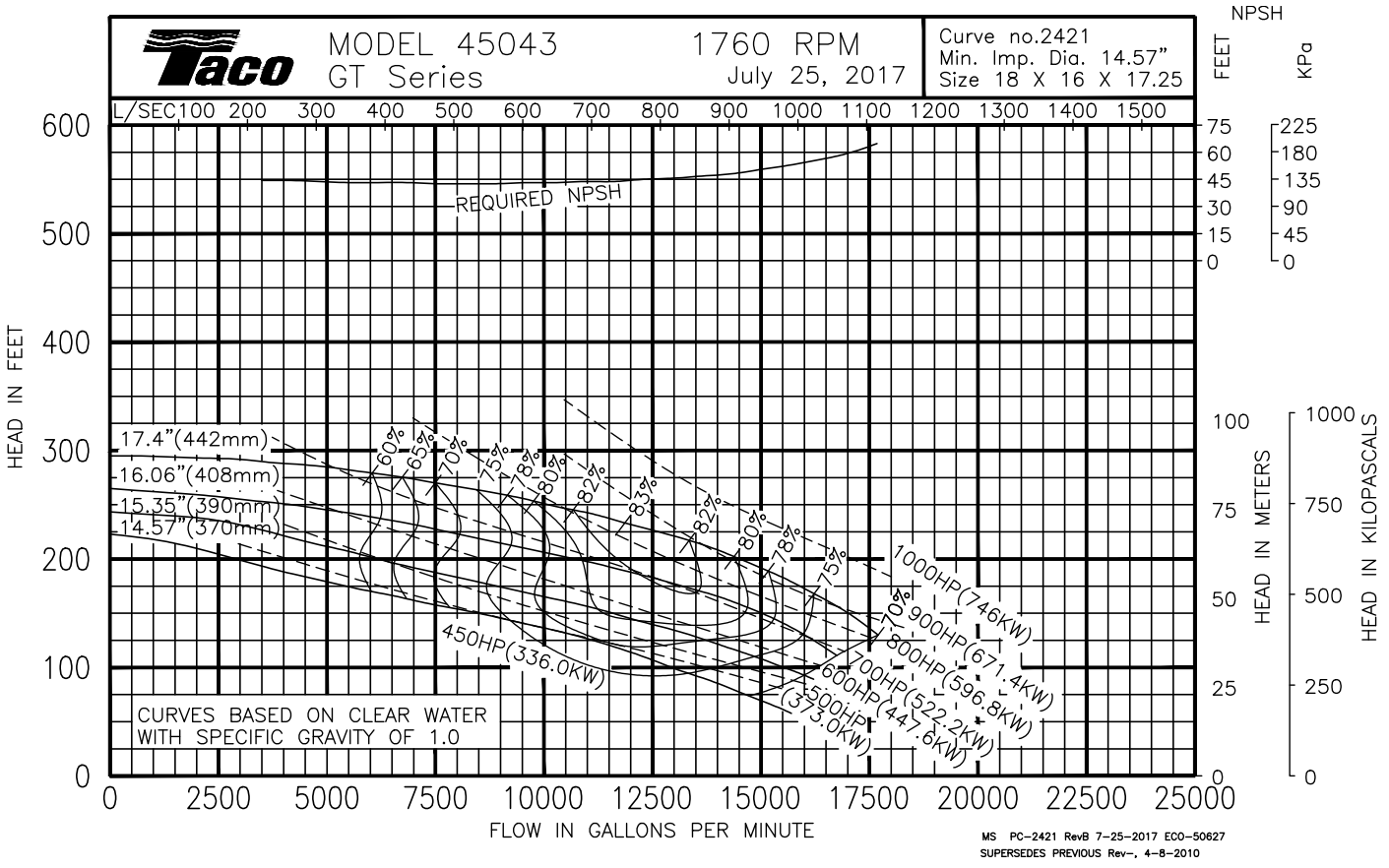
OPERATING SPECIFICATIONS

	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

Motor Frame	Weight Lbs (Kg)
E5008	10317 (4680)
E5010	11317 (5133)
G5010	12667 (5746)
E5012	13617 (6177)
G5012	13617 (6177)
E5810	13417 (6086)
G400J	16000 (7258)



Comments: _____

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