



Customer information packet

ECP4308T

40HP, 1190RPM, 3PH, 60HZ, 364T, A36062M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	98.800 A @ 230.0 V 49.400 A @ 460.0 V 109.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	49.4 a

Part detail

Revision	V
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0747
Layout	617428-034
Eff. date	08-26-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.49 IN
Power Factor	80
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA

CAT #		ECP4308T				SER					CC		010A												
SPEC		P36G3314				RATING		40C AMB-CONT																	
HZ		VOLTS		AMPS		RPM		HP		CODE		-	SF	DES	PF	NEMA NOM. EFF									
60		230/460		98.8/49.4		1190		40		G			1.15	B	80	%	94.1	%							
																%		%							
PH	3	CL	F	MAX RPM		2700		MAX CORR KVAR		12															
BRG		DE		6313		ODE		6313		ENCL		TEFC		FR		364T		IP		55					
GREASE		POLYREX EM									MTR WT		903		LBS										
CL I DIV 2 GRPS A,B,C,D							CL I ZONE 2 GRPS					IIA,IIB,IIC			TEMP T		200		C						
INV READY		CT		15-60		HZ		4:1		VT		3-60		HZ		20:1		CHP		60-90		HZ		1.5:1	
INV TEMP CL		200		C		USABLE AT		50HZ 30HP 190/380V 98/49A										SF1.0							

Accessories

Part number	Description	Multiplier
14-1704	C FACE KIT	A8

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TC	40	P	3/60	1190	230/460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
98.8/49.4	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491378	418141-74EE	---	---	.0380/.152		

PERFORMANCE					
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	17.7	1200	5.41	0
1/4	10.0	21.6	1197	48.3	90.0
2/4	20.0	29.0	1194	69.0	93.6
3/4	30.0	38.6	1191	77.2	94.3
4/4	40.0	49.4	1188	80.5	94.2
5/4	50.0	61.0	1184	81.9	93.7

SPEED TORQUE				
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	158	280	290
PULL UP	480	136	241	270
BREAKDOWN	1135	243	430	167
FULL LOAD	1188	100	177	49.4

AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

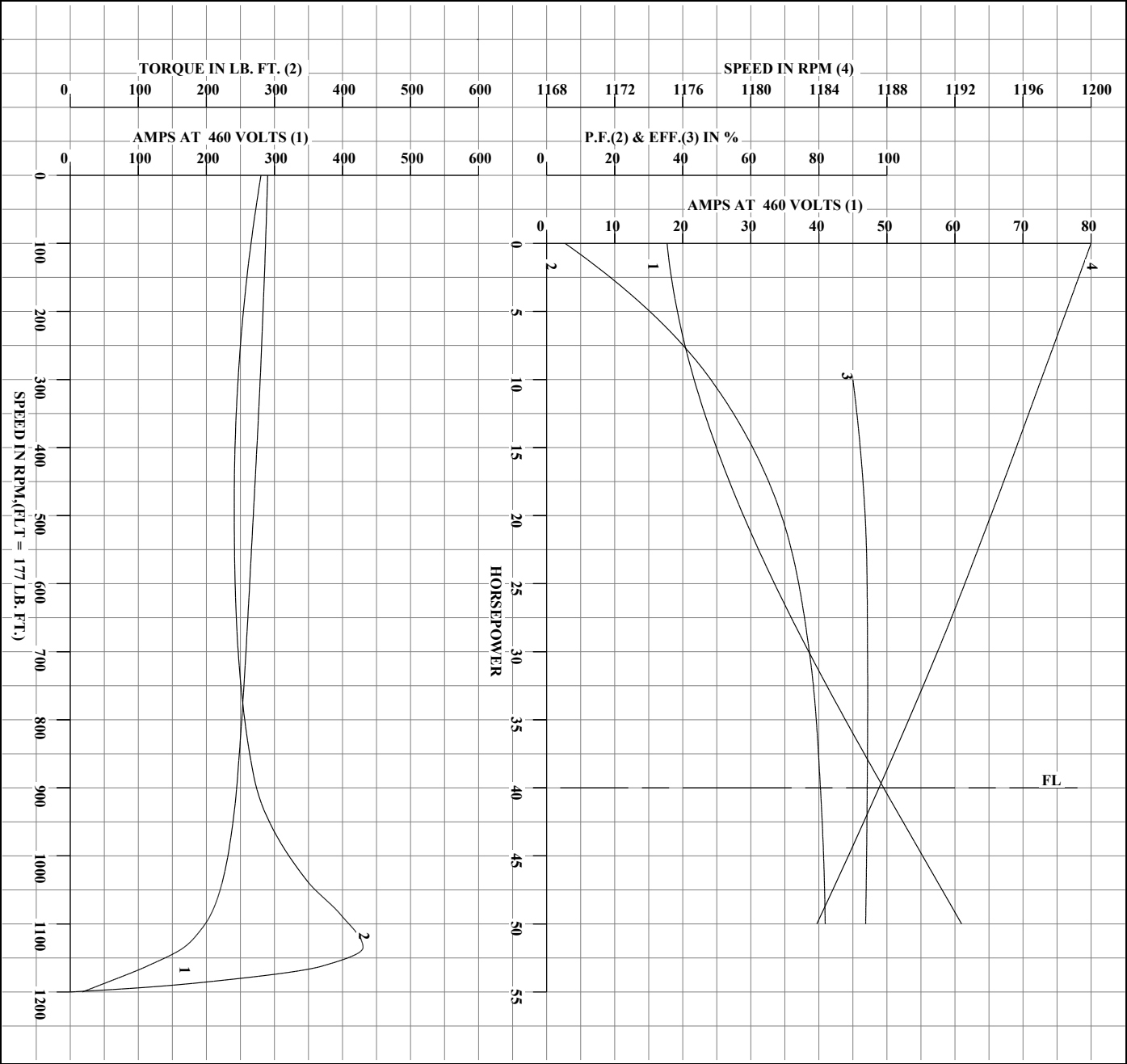
TYPICAL DATA

	DRAWN BY: W.L. SMITH CHECKED BY: J.J. HARRISON APPROVED BY: W.L. SMITH DATE: 12/07/05	AC MOTOR PERFORMANCE DATA	A36WG0747-R004 DATE ISSUED 02/25/14
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USCH/AM

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REL.S.O.	FRAME 364TC	RPM 1190	S.F. 1.15	ROTOR 418141-74EE
HP 40	VOLTS 230/460	AMPS 98.8/49.4	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	CODE LETTER G	ENCLOSURE TEFC	TEST DATE ---
PHASE / HERTZ 3/60	AMB °C / INSUL. 40/F	E/S 491378	STATOR RES. @ 25°C .0380/.152	OHMS (BETWEEN LINES)



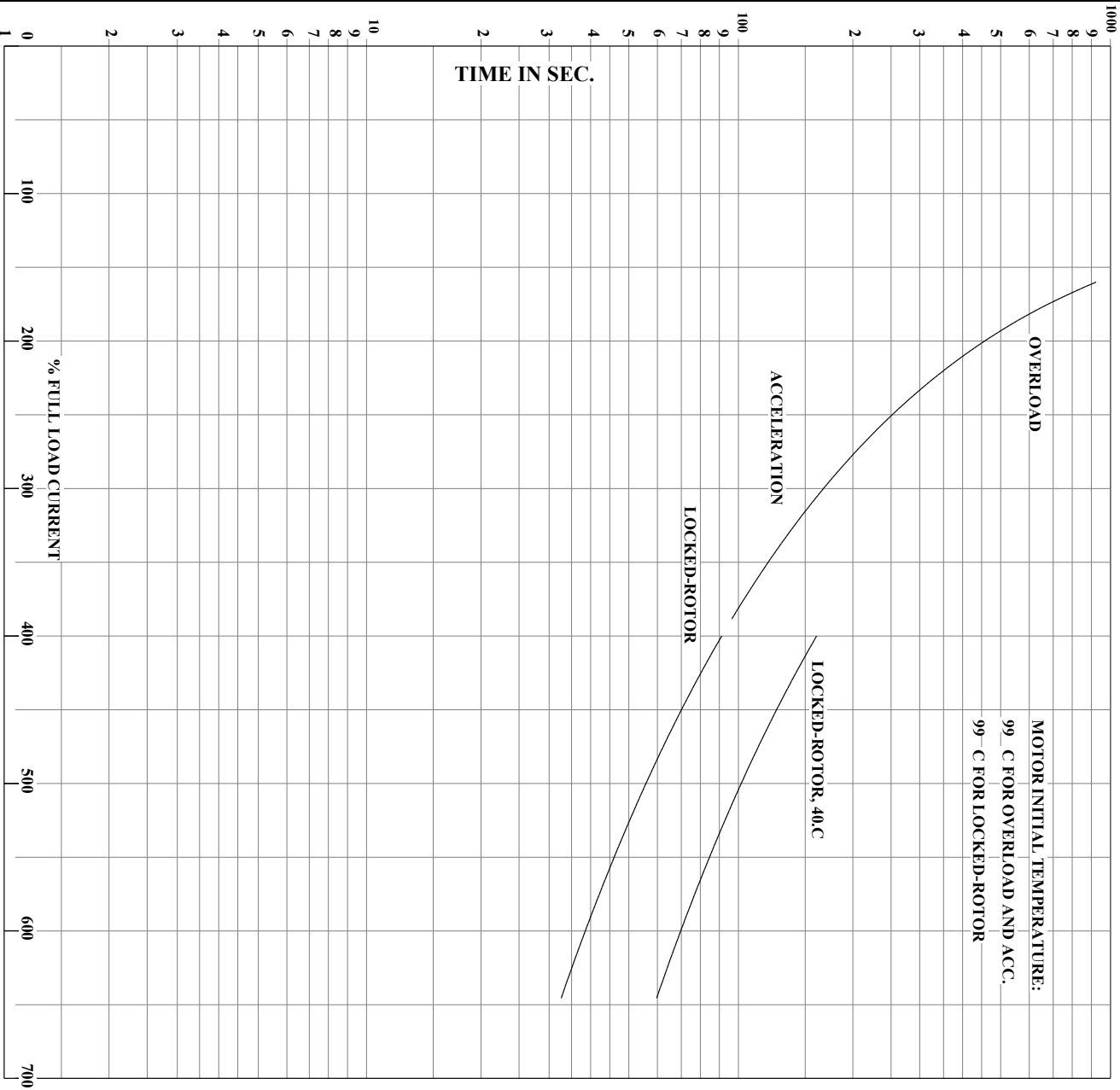
AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

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ISSUE DATE 02/25/14
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HP 40	AMPS 98.8/49.4	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0380/.152
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 491378	OHMS (BETWEEN LINES)

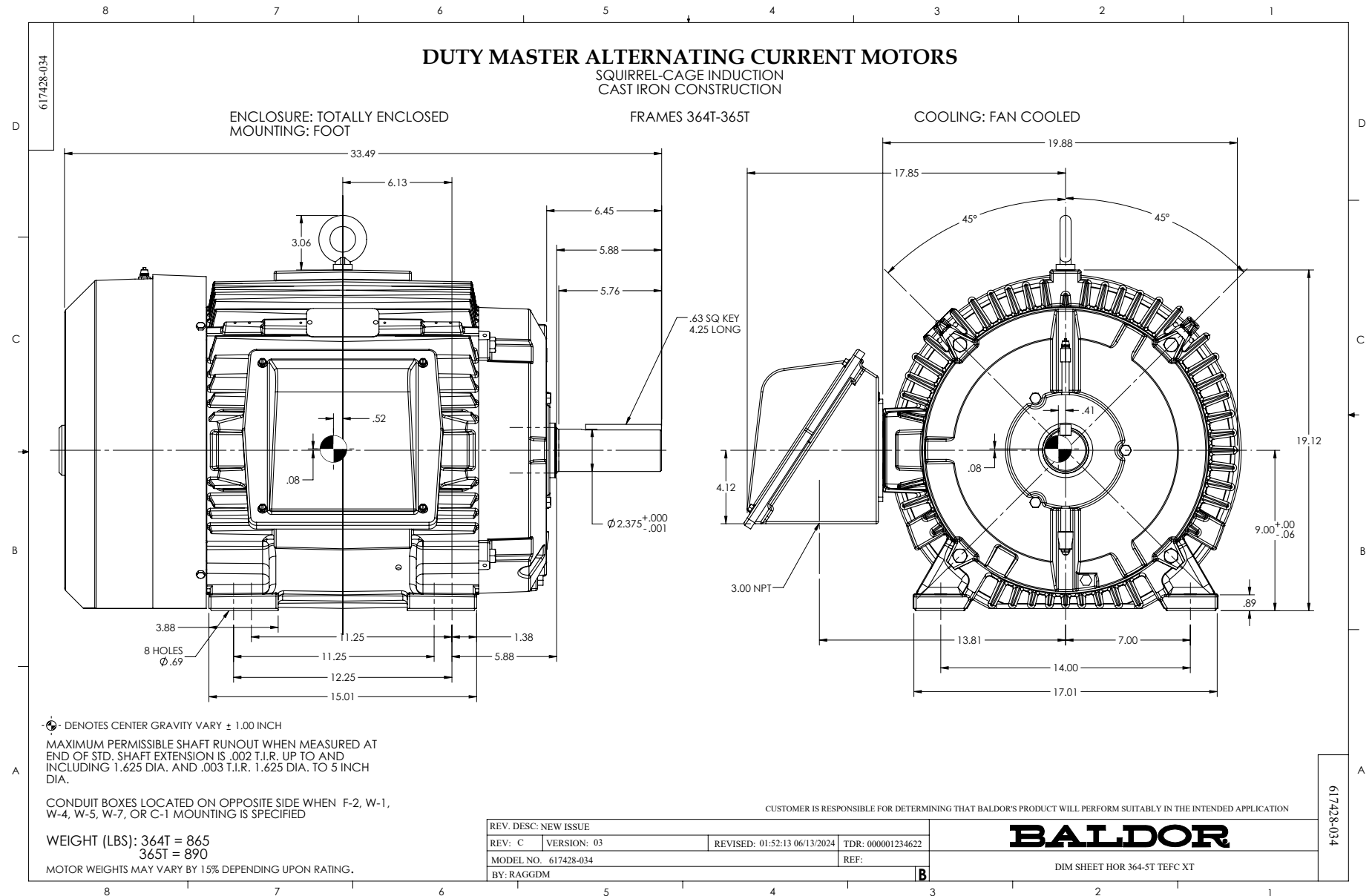


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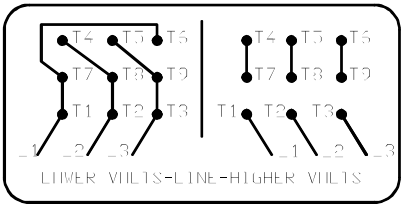
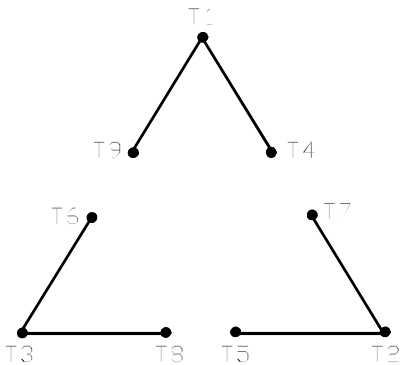
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416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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