



Customer information packet

ECR9506TR

50HP, 1180RPM, 3PH, 60HZ, 365T, A3668M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	50.000 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	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	6-60
Current @ Voltage	61.900 A @ 460.0 V 124.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	61.9 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	Q
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG3910
Layout	617428-034
Eff. date	07-08-2024
CD Diagram	416820-002
Poles	06
Leads	9#4
Proprietary	False
Created date	02-02-2015

KVA Code	G
Lifting Lugs	No Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3668M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.49 IN
Power Factor	80
Product Family	Crusher / Chipper
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.25
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1180 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3980LUA

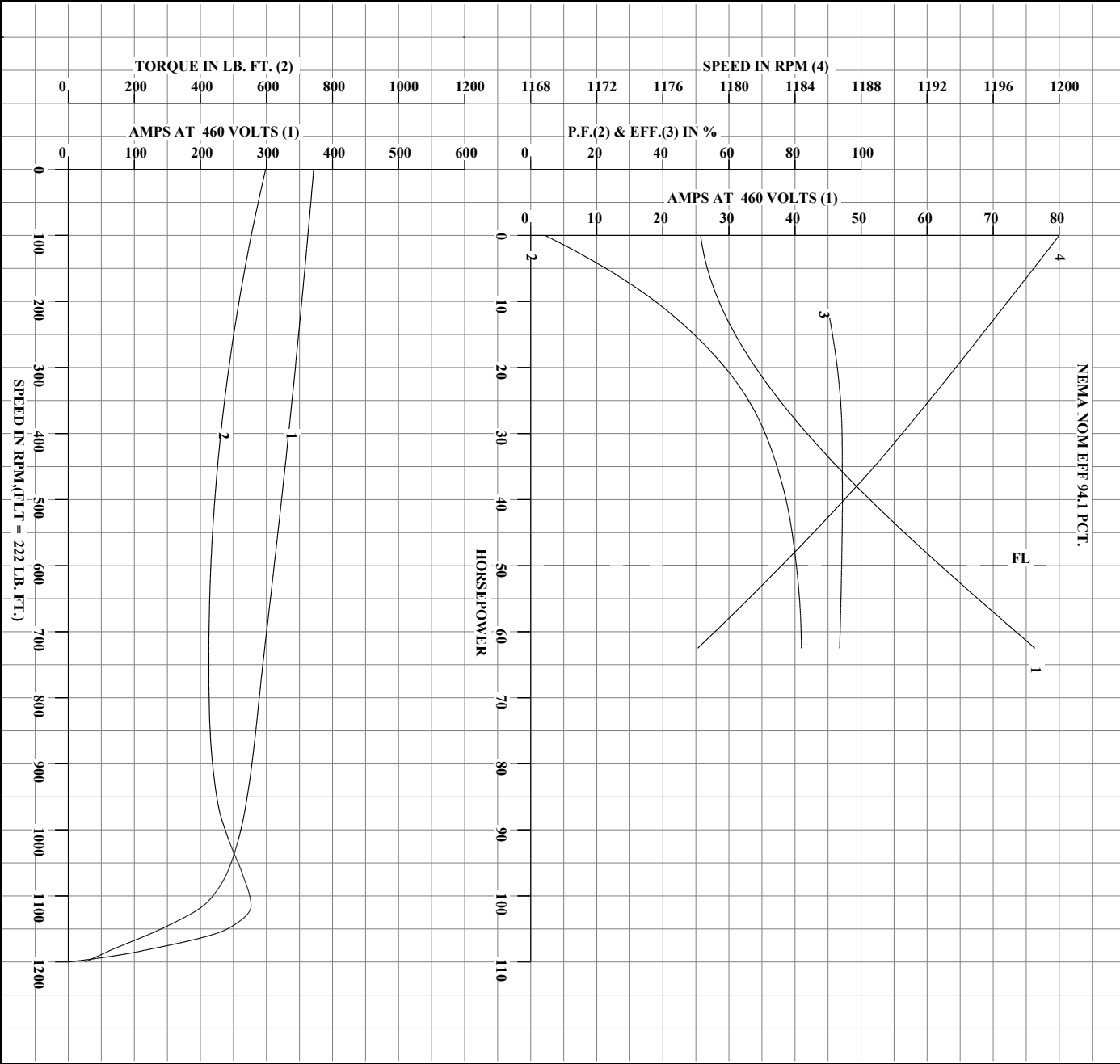
CAT #		ECR9506TR				SER					CC		010A								
SPEC		P36G3501				RATING		40C AMB-CONT													
HZ		VOLTS		AMPS		RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF							
60		230/460		124/61.9		1180		50	G		1.25	A	80	%	94.1	%					
		-												%		%					
PH	3	CL	F	MAX CORR KVAR		15.4															
BRG		DE	NU313		ODE	6313		ENCL	TEFC		FR		365T		55						
GREASE		MOBIL SHC 220									MTR WT		923	LBS							
USABLE AT		50HZ 40HP 190/380V 120/60A									SF1.0										
INV READY		1.0 SF VPWM		CT	10-60		HZ	6:1		VT	0-60		HZ	1000:1		CHP	60-90		HZ	1.5:1	
MAX RPM		2700		SFA 152/76																	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365	50	P	3/60	1185	230/460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
124/61.9	CONT	40/F	1.25	A	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
---	418141-080-TE	---	---	.0290/116		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	25.8	1200	4.36	0	
1/4	12.5	29.5	1196	44.0	90.5	
2/4	25.0	37.9	1192	66.0	93.8	
3/4	37.5	48.9	1188	76.0	94.3	
4/4	50.0	61.9	1183	80.4	94.1	
5/4	62.5	76.4	1178	81.9	93.5	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	269	598	371	
PULL UP		740	192	425	296	
BREAKDOWN		1115	249	553	204	
FULL LOAD		1183	100	222	61.9	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA NOM EFF 94.1 PCT.						
		DRAWN BY: T.KELATI CHECKED BY: T.KELATI APPROVED BY: E.J. CHRISTIAN DATE: 02/03/2015		AC MOTOR PERFORMANCE DATA	A36W/G3910-R002 DATE ISSUED 03/24/23	

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REL.S.O.	FRAME 365	RPM 1185	S.F. 1.25	ROTOR 418141-080-TE
HP 50	VOLTS 230/460	AMPS 124/61.9	NEMA DESIGN A	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	AMB °C / INSUL. 40/F	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60			ENCLOSURE TEFC	STATOR RES. @ 25°C .0290/.116
			E/S ---	OHMS (BETWEEN LINES)



DRAWN BY: T.KELATI
CHECKED BY: T.KELATI
APPROVED BY: E.J.CHRISTIAN
DATE: 02/03/2015

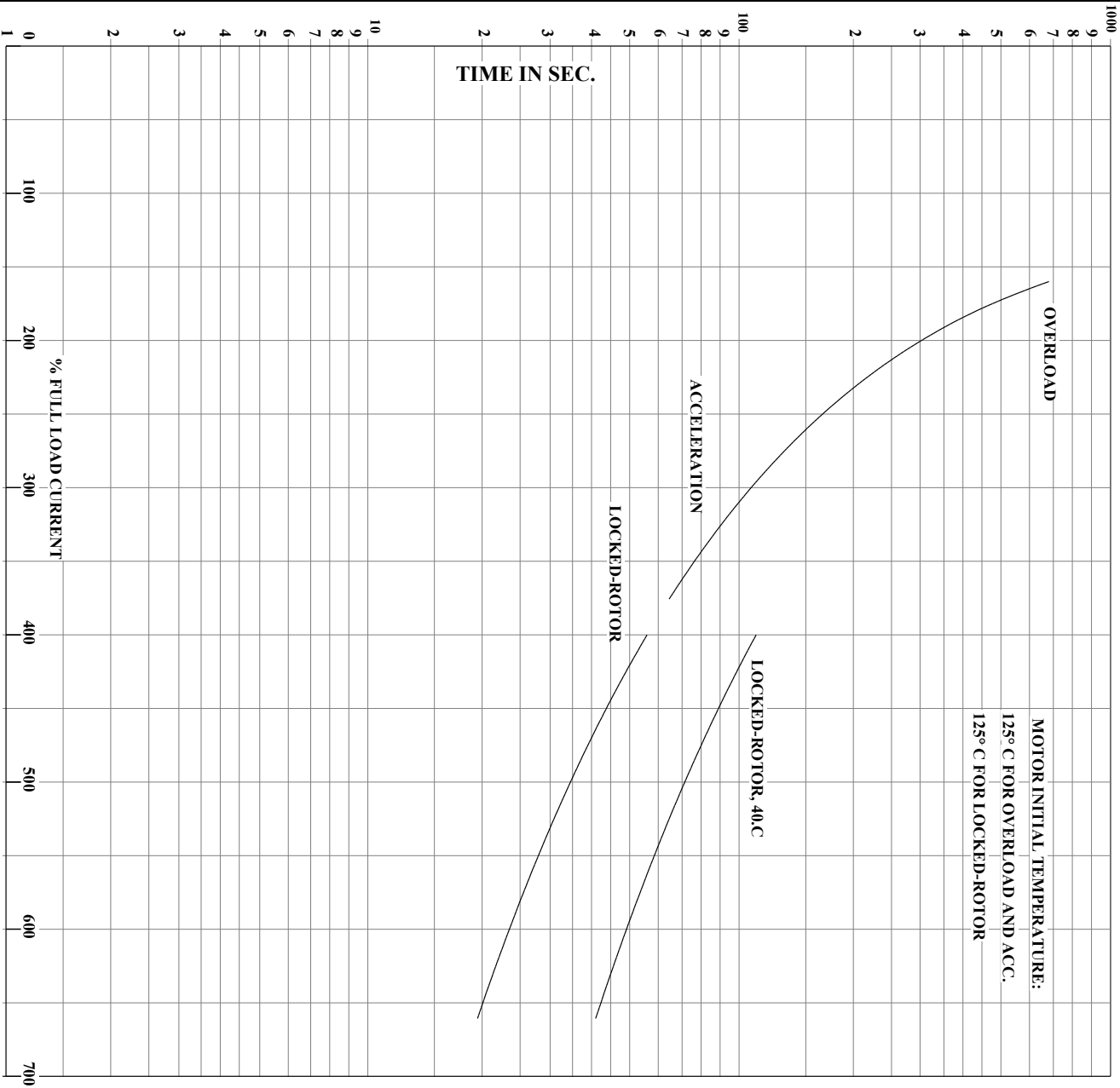
AC MOTOR
PERFORMANCE
DATA

A36WCG3910-R002
ISSUE DATE 03/24/23

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REL.S.O.	RPM 1185	S.F. 1.25	ROTOR 418141-080-TE
FRAME 365	VOLTS 230/460	NEMA DESIGN A	TEST S.O. TYPICAL DATA
HP 50	AMPS 124/61.9	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0290/.116
PHASE / HERTZ 3/60	AMB °C / INSUL. 40/F	E/S ---	OHMS (BETWEEN LINES)



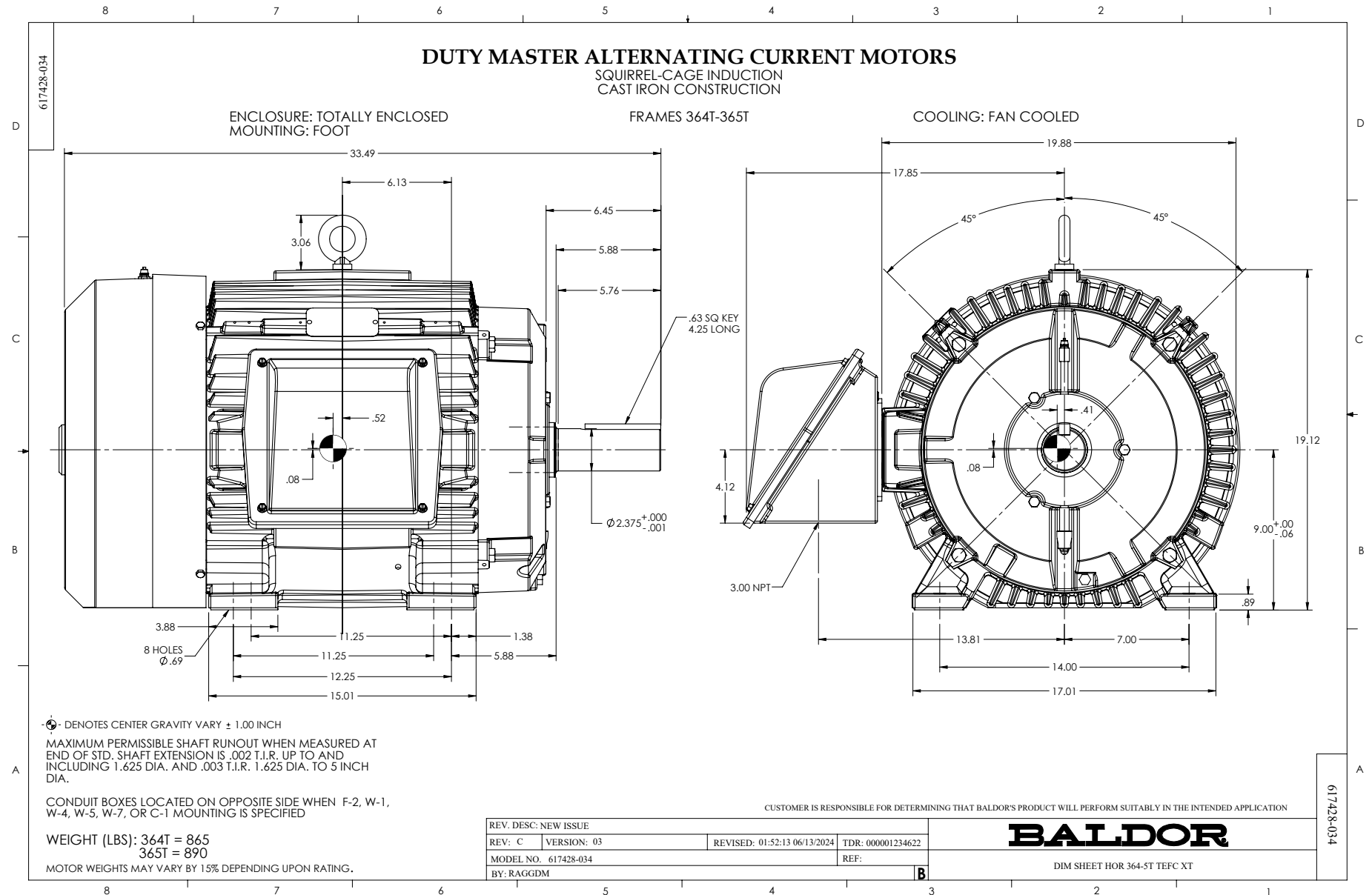
Thermal Limit Curve
NEMA Nom Eff 94.1 PCT.

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

	DRAWN BY: T.KELATI CHECKED BY: T.KELATI APPROVED BY: E.J.CHRISTIAN DATE: 02/03/2015	AC MOTOR PERFORMANCE DATA	A36WCG3910-R002 ISSUE DATE 03/24/23
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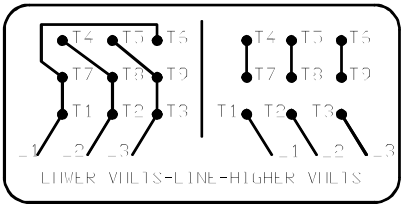
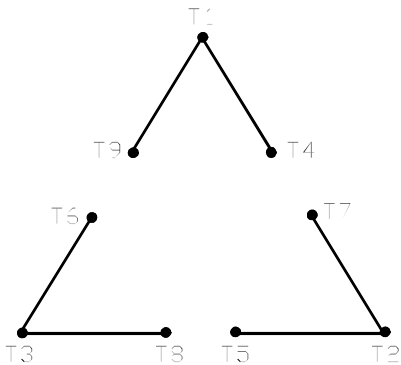
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A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(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
SH 1 of 1

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