

ABB BALDOR RELIANCE III

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	CLI 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	

ABB BALDOR RELIANCE III						
CUSTOMER INFORMATION PACKET						
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: <u>W. L. SMITH</u> CHECKED BY: <u>J.J.HARRISON</u> APPROVED BY: <u>W. L. SMITH</u> DATE: <u>12/07/05</u>		AC MOTOR PERFORMANCE DATA		A36WG0747-R004 DATE ISSUED 02/25/14

FRAME 364TC

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 40

AMPS 98.8/49.4

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE TEFC

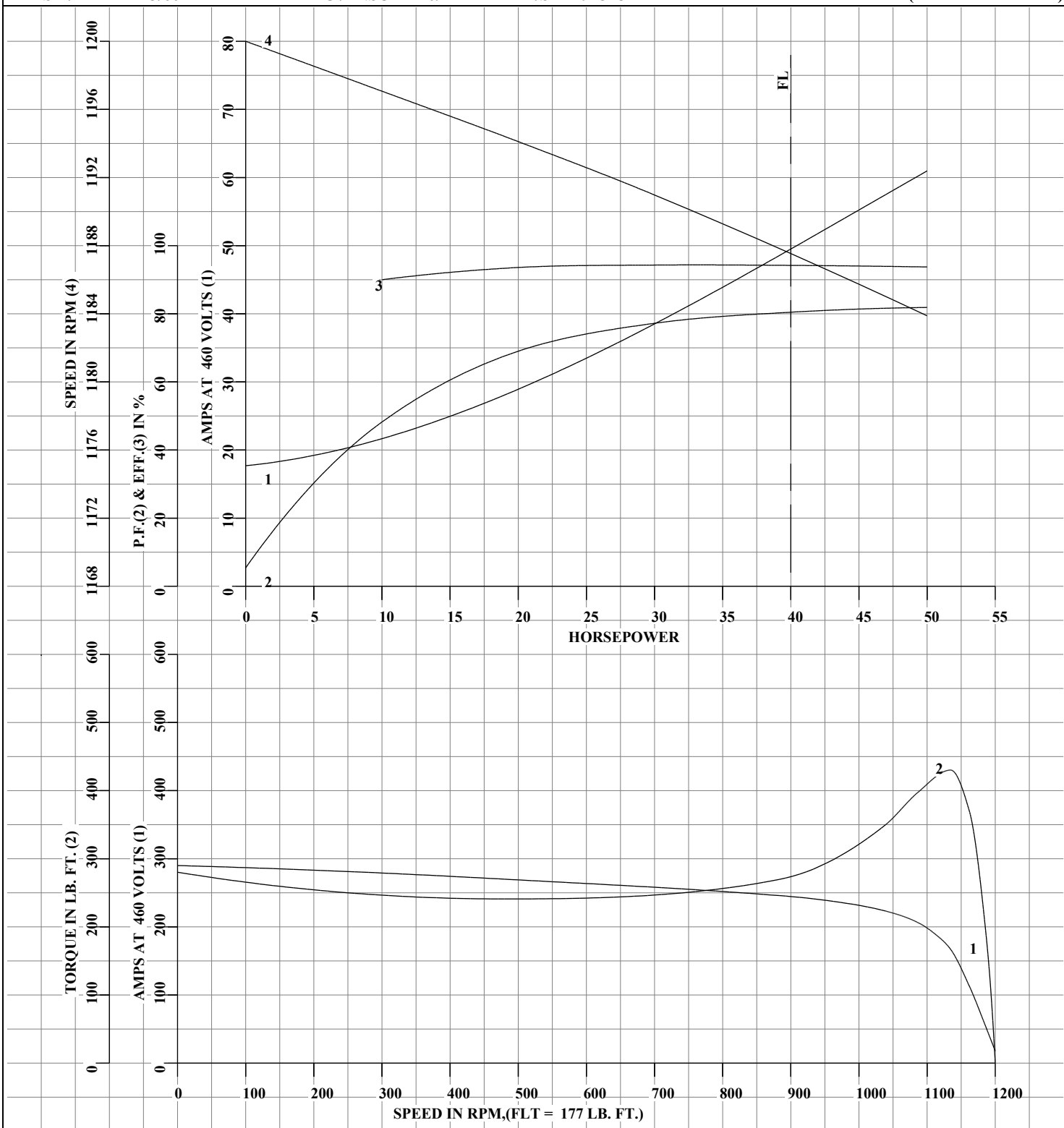
STATOR RES. @ 25°C .0380/.152

PHASE / HERTZ 3/60

AMB °C / INSUL 40/F

E/S 491378

OHMS (BETWEEN LINES)



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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AC MOTOR
 PERFORMANCE
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DUTY CONT

ENCLOSURE TEFC

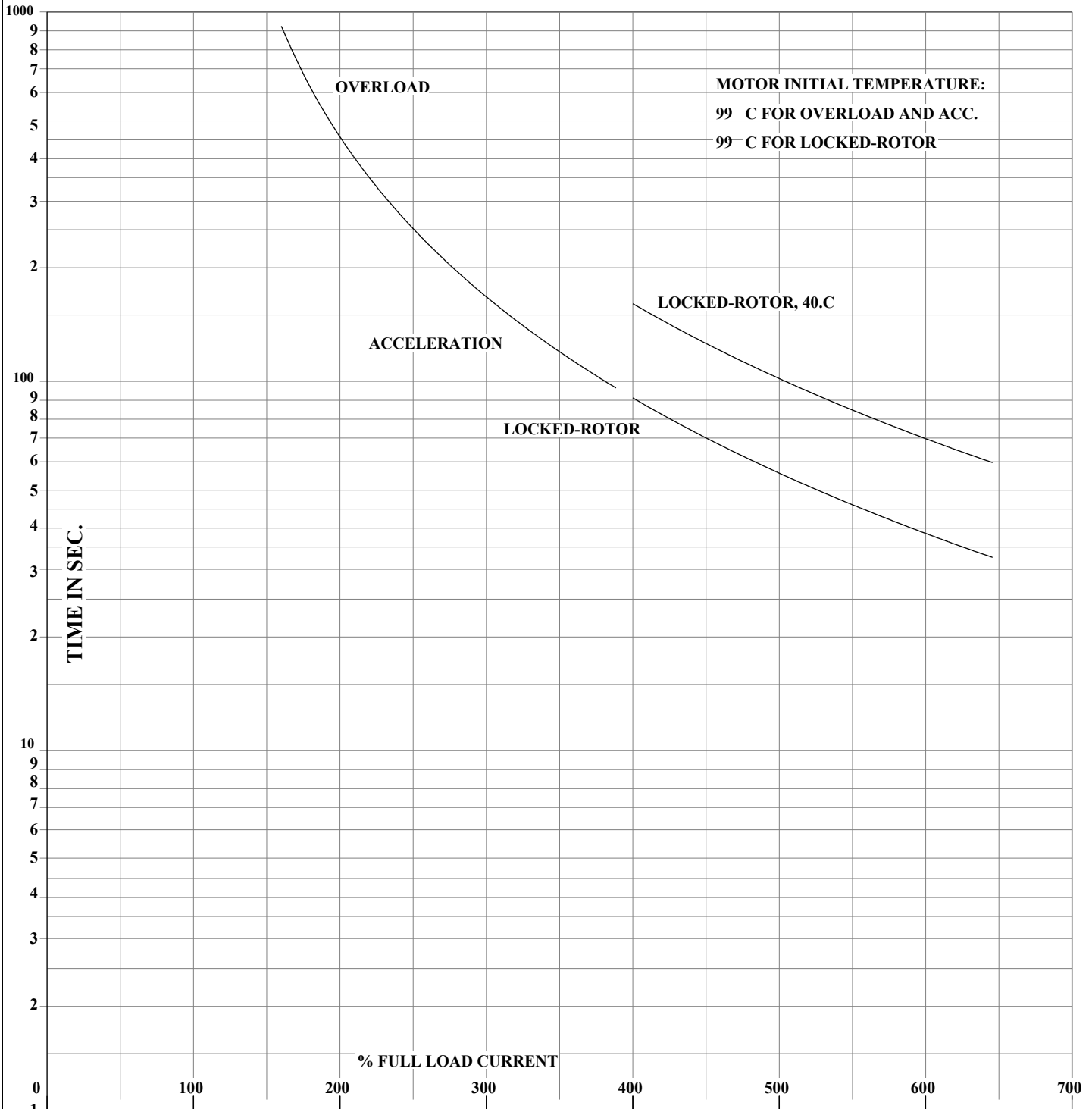
STATOR RES. @ 25°C .0380/.152

PHASE / HERTZ 3/60

AMB °C / INSUL 40/F

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OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

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

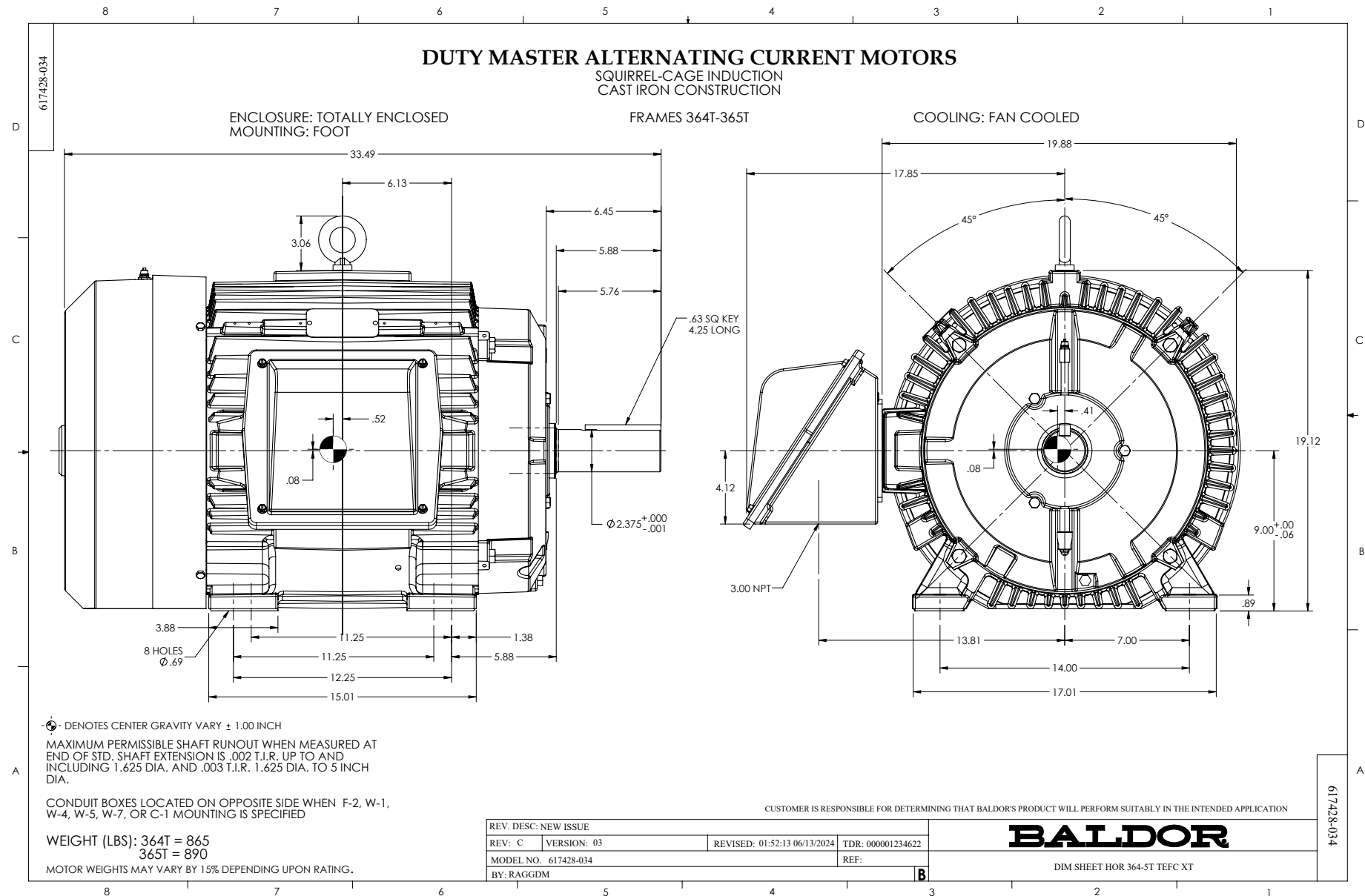


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AC MOTOR
PERFORMANCE
DATA

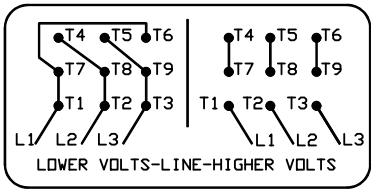
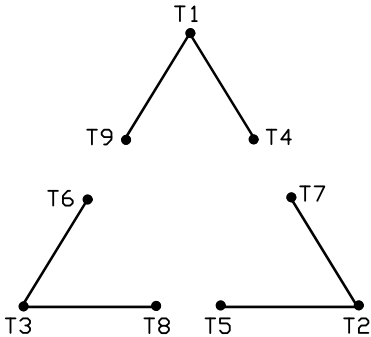
A36WG0747-R004

ISSUE DATE 02/25/14



416820-002

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



(N. P. 1575-B)

416820-002

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -	© □	



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED
SH1 of 1