

ABB BALDOR RELIANCE III

Customer information packet

ECR9604TR

60HP, 1785RPM, 3PH, 60HZ, 364T, A3662M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364T
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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	71.000 A @ 460.0 V 142.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	71.0 a
Insulation Class	F
Inverter Code	Inverter Ready

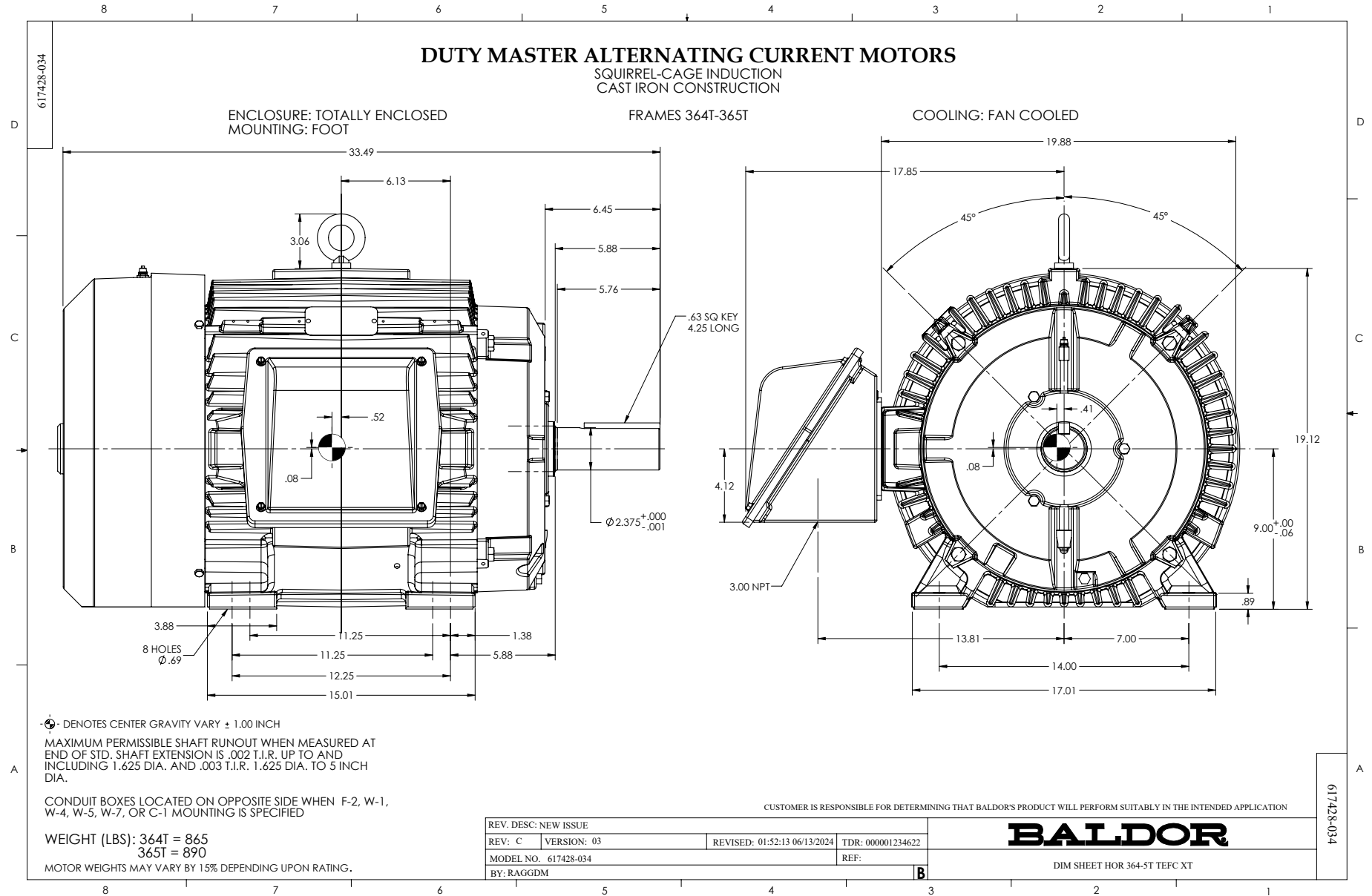
Part Detail

Revision	R
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4074
Layout	617428-034
Eff. date	02-09-2026
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	02-03-2015

KVA Code	H
Lifting Lugs	No Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3662M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.49 IN
Power Factor	83
Product Family	Crusher / Chipper
Pulley End Bearing Type	Ball
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	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

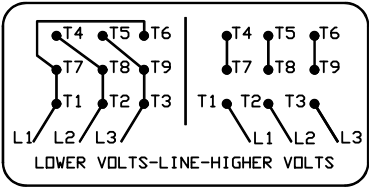
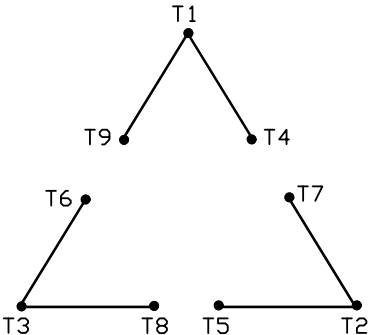
Nameplate
NP3980LUA

CAT #		ECR9604TR				SER				CC		010A				
SPEC		P36G3503				RATING		40C AMB-CONT								
HZ		VOLTS		AMPS		RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF		
60		230/460		142/71		1785		60	H		1.25	A	83 %	95 %		
		-											%		%	
PH	3	CL	F	MAX CORR KVAR		17.3										
BRG	DE	NU313	ODE		6313	ENCL	TEFC	FR	364T			55				
GREASE		MOBIL SHC 220							MTR WT		892	LBS				
USABLE AT		50HZ 50HP 190/380V 144/72A							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 178/89													



416820-002

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



(N. P. 1575-B)

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

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