ABB BALDOR RELIANCE

Customer information packet

EM4314T-5

60HP, 1780RPM, 3PH, 60HZ, 364T, A3658M, TEFC, F
Class - None
Division - Not Applicable

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11/5/2026 12:47:13 PM

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	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
	CURUSEEV
	NEMA PREMIUM
	NEMA PREMIUM (OLD LOGO)
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	55.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	55.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs

Part Detail

Revision	Z
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4086
Layout	617428-012
Eff. date	09-26-2025
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	10-19-2010

Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	84
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	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3979LUA

CAT #	EM4314T-5				**SER**				**CC**										
SPEC	P36G3426				**RATING**	40C AMB-CONT													
HZ	**VOLTS**		**AMPS**		**RPM**	**HP**	**CODE**	-	**SF**	**DES**	**PF**		**NEMA NOM. EFF**						
60	575		55		1780	60	G		1.15	B	84	%	95	%					
												%		%					
PH	3	**CL**	F	**MAX CORR KVAR**	13.6														
BRG	**DE**	6313	**ODE**	6313	**ENCL**	TEFC	**FR**	364T		54									
GREASE	POLYREX EM						**MTR WT**	919	**LBS**										
USABLE AT	N/A																		
INVERTER DUTY	**CT**	15-60	**HZ**	4:1	**VT**	3-60	**HZ**	20:1	**CHP**	60-90	**HZ**	1.5:1	**1.0 SF VPWM**						
MAX RPM	2700																		

DUTY MASTER ALTERNATING CURRENT MOTORS

617428-012

ENCLOSURE: TOTALLY ENCLOSED

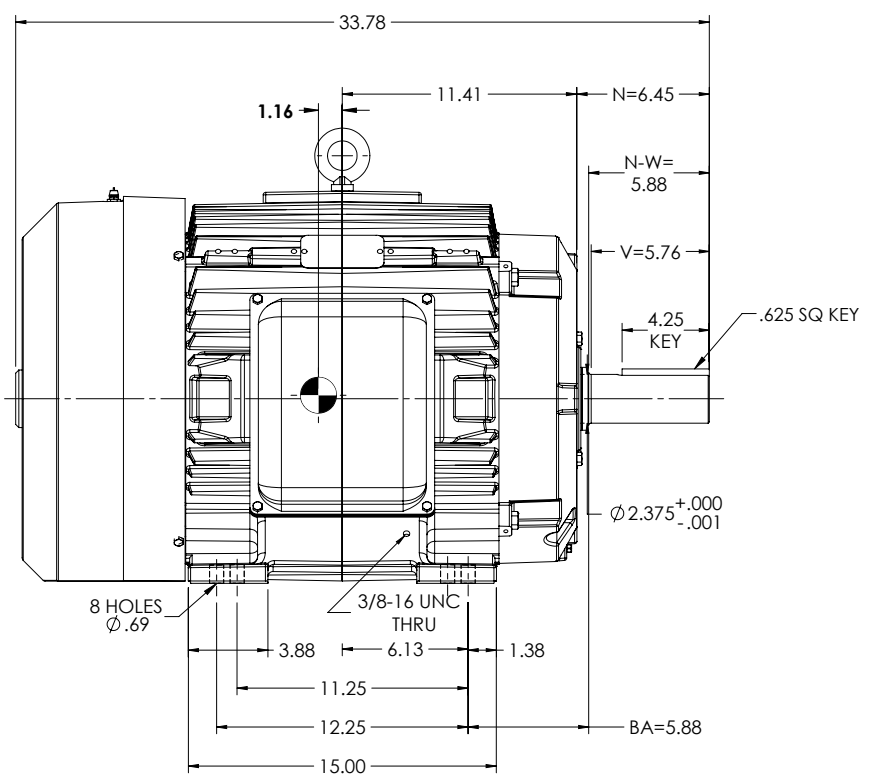
SQUIRREL-CAGE INDUCTION

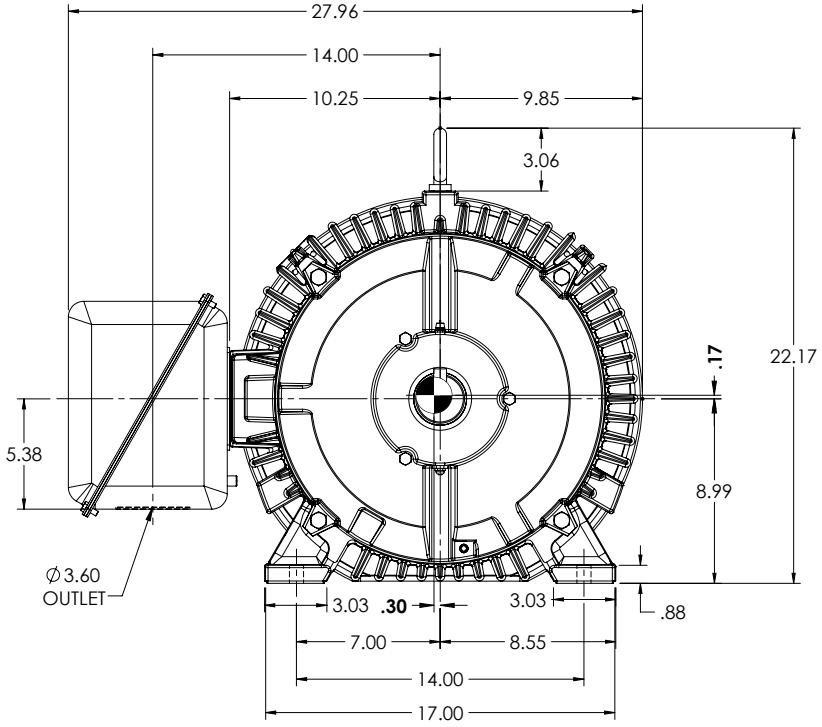
MOUNTING: FOOT/F1

CAST IRON CONSTRUCTION

COOLING: FAN COOLED

FRAMES E364T THRU E365T





⊕ - DENOTES CENTER OF GRAVITY WHICH MAY VARY ±1.00 INCH.

WEIGHT (LBS): 840, MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION .003 T.I.R.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM			
REV: E	VERSION: 05	REVISED: 08:18:06 10/04/2022	TDR: 000001196512
MODEL NO. 617428-012			REF:
BY: ENFRAJ0			B

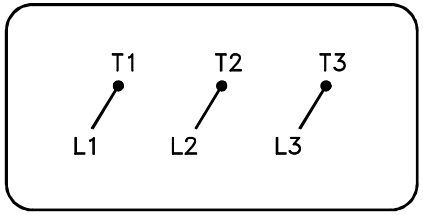
BALDOR

E364/365T TEFC F1 FOOT STEEL CONDUIT BOX/CENTER OF GRAVITY

617428-012

416820–036

A–C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575–BA)

416820–036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1