ABB BALDOR RELIANCE

Customer information packet

EM4316T-12

75HP, 1780RPM, 3PH, 60HZ, 365T, A36070M, TEFC
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/21/2026 10:19:59 PM

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	75.000 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	NEMA PREMIUM (OLD LOGO)
	NEMA PREMIUM
	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	172.000 A @ 230.0 V
	188.000 A @ 208.0 V
	86.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	86.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part Detail

Revision	W
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4077
Layout	617428-012
Eff. date	02-10-2025
CD Diagram	CD0104
Poles	04
Leads	12#6
Proprietary	False
Created date	12-17-2010

KVA Code	G
Lifting Lugs	No Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	12 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36070M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	86
Product Family	Other
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	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3979LUA

CAT #	EM4316T-12			**SER**				**CC**	010A															
SPEC	P36G3433			**RATING**	40C AMB-CONT																			
HZ	**VOLTS**			**AMPS**			**RPM**	**HP**	**CODE**	-	**SF**	**DES**	**PF**		**NEMA NOM. EFF**									
60	230/460			172/86			1780	75	G		1.15	B	86	%	95.4	%								
	-													%		%								
PH	3	**CL**	F	**MAX CORR KVAR**	15.8																			
BRG	**DE**	6313	**ODE**	6313	**ENCL**	TEFC	**FR**	365T		IP54														
GREASE	POLYREX EM							**MTR WT**	908	**LBS**														
USABLE AT	50HZ 60HP 190/380V 168/84A							SF1.0																
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																							

Accessories

Part number	Description	Multiplier
K36G2	C-FACE KIT	A8
085922068B	BRKT,E360,D-FLG,313,FINISHED-TURNED	P1

DUTY MASTER ALTERNATING CURRENT MOTORS

617428-012

ENCLOSURE: TOTALLY ENCLOSED

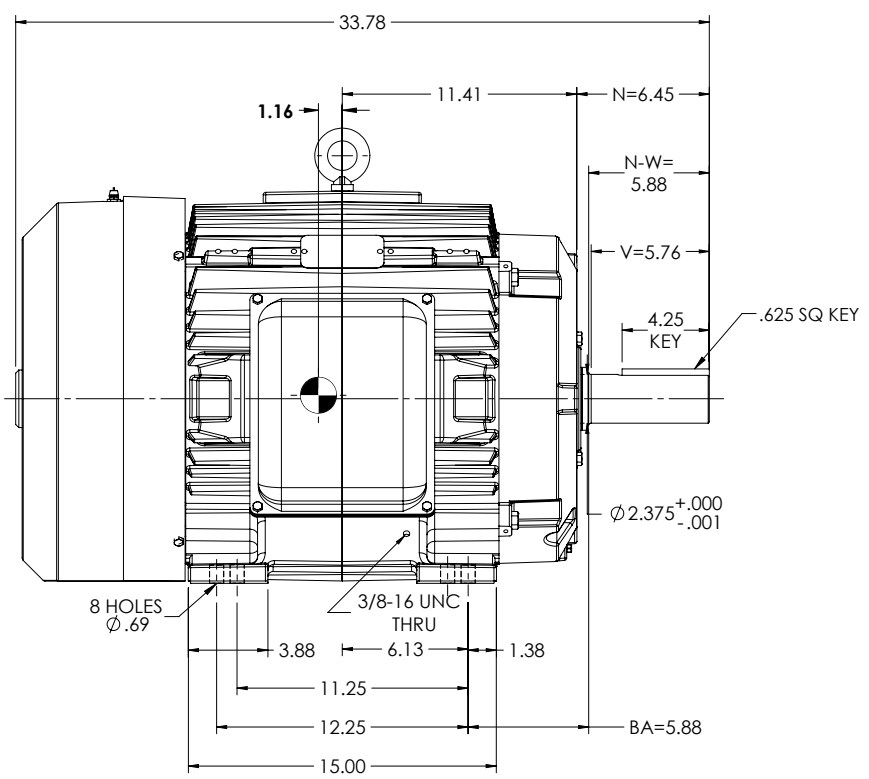
SQUIRREL-CAGE INDUCTION

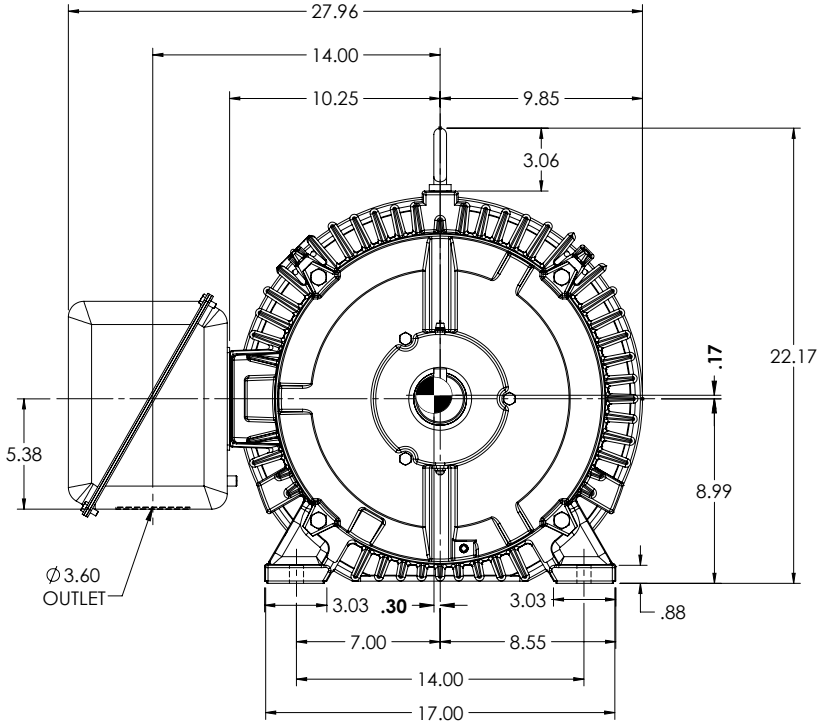
MOUNTING: FOOT/F1

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.

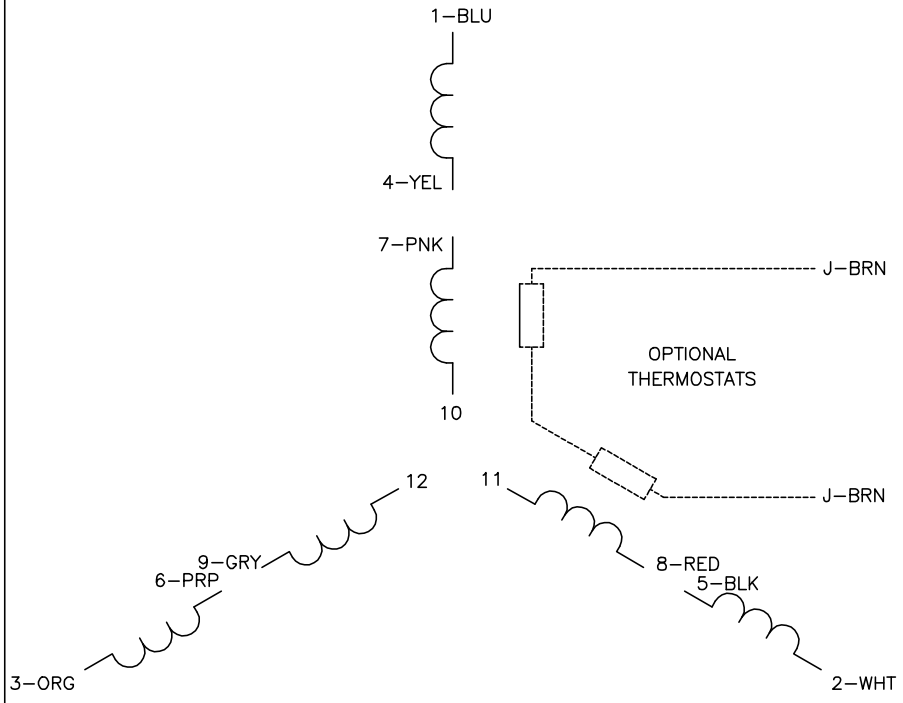
REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM			
REV: E	VERSION: 05	REVISED: 08:18:06 10/04/2022	TDR: 000001196512
MODEL NO. 617428-012			REF:
BY: ENFRAJ0			B

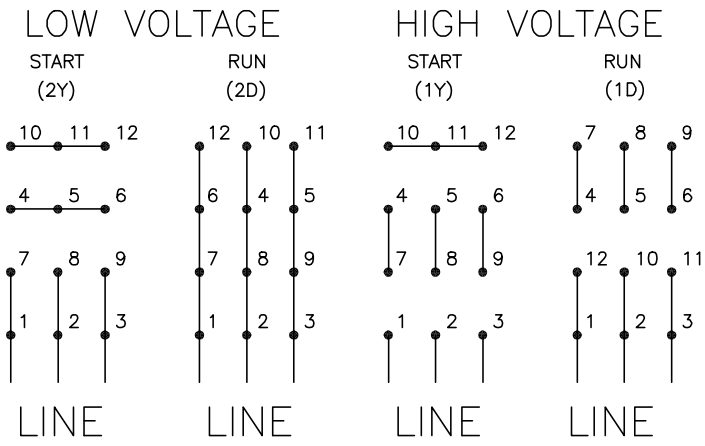
BALDOR

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

617428-012

CD0104





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0104

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00008\377	REVISED: 09:02:55 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 12 LEADS, Y START/D RUN

SH 1 of 1