



Customer information packet

EM4314T-12

60HP, 1780RPM, 3PH, 60HZ, 364T, A3658M, 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
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	70.000 A @ 460.0 V 152.000 A @ 208.0 V 140.000 A @ 230.0 V
Design Code	B
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	70.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	V
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4087
Layout	617428-012
Eff. date	02-10-2025
CD Diagram	416820-020
Poles	04
Leads	12#6
Proprietary	False
Created date	12-20-2010

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	12 @ 6 AWG
Motor Standards	NEMA
Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	84
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

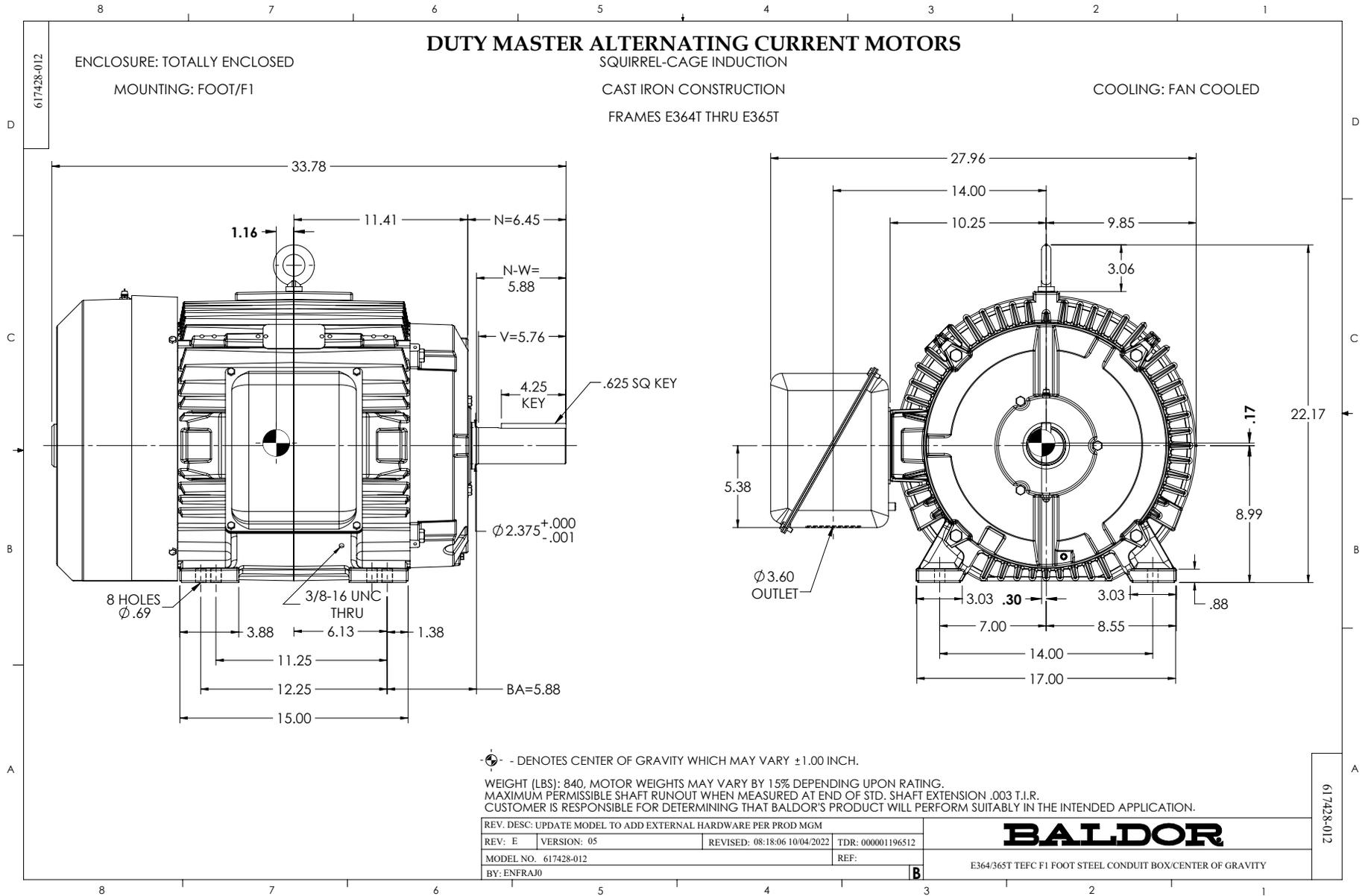
Nameplate

NP3979LUA

CAT #	EM4314T-12		SER			CC	010A						
SPEC	P36G3432		RATING	40C AMB-CONT									
HZ	VOLTS		AMPS		RPM	HP	CODE	-	SF	DES	PF	NEMA NOM. EFF	
60	230/460		140/70		1780	60	G		1.15	B	84 %	95 %	
	-										%		%
PH	3	CL	F	MAX CORR KVAR		15.0							
BRG	DE	6313	ODE	6313	ENCL	TEFC	FR	364T			IP54		
GREASE	POLYREX EM						MTR WT	850			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

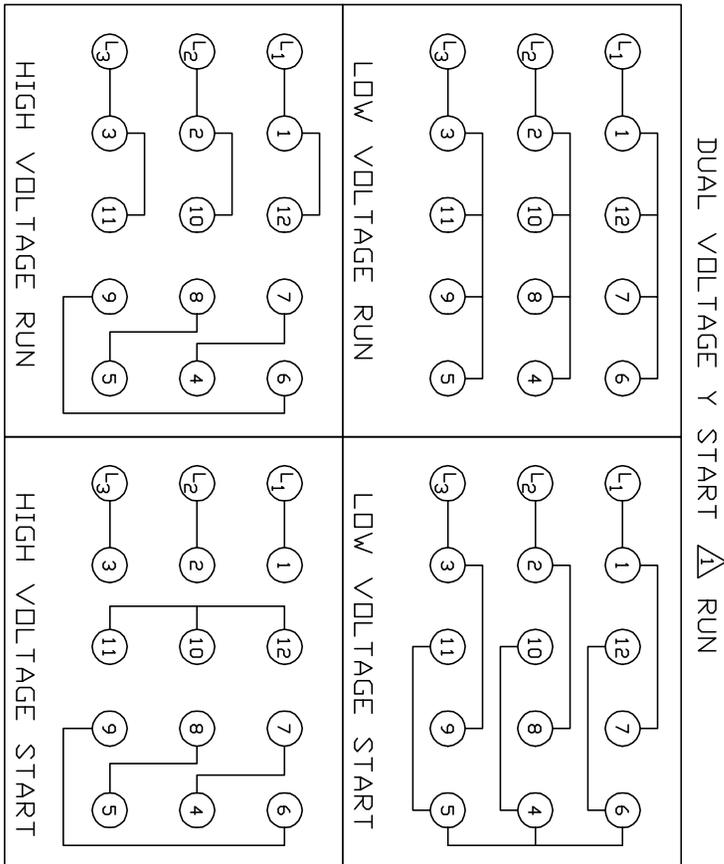
Part number	Description	Multiplier
K36G2	C-FACE KIT	A8
085922068B	BRKT,E360,D-FLG,313,FINISHED-TURNED	P1



416820-020

A-C MOTOR
CONNECTION DIAGRAM

416820-020



<410961-39 / 1575-AC>

CUSTOMER _____

CUSTOMER
ORDER NO. _____

S. O. NO. _____

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 00000553773
FILE: \RAG\00011\270	REVISED: 01:15:19 08/12/2010	
MTL: -	BY: RAGMTC	

BALDOR

A-C MOTOR CONNECTION DIAGRAM

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