ABB BALDOR RELIANCE

Customer information packet

ECP4314T-5

60HP, 1780RPM, 3PH, 60HZ, 364T, A3658M, TEFC, F
Class - CLI GP A,B,C,D
Division - Division II

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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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 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	10-60
Current @ Voltage	55.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	55.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part Detail

Revision	AA
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4086
Layout	617428-034
Eff. date	02-13-2025
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	10-19-2010

Lifting Lugs	No Lifting Lugs
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	33.49 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	Shaft Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA

CAT #	ECP4314T-5			**SER**				**CC**	010A										
SPEC	P36G3423			**RATING**	40C AMB-CONT														
HZ	**VOLTS**		**AMPS**		**RPM**	**HP**	**CODE**	G	**SF**		**DES**		**PF**		**NEMA NOM. EFF**				
60	575		55		1780	60	G		1.15		B		84	**%**	95	**%**			
														%		**%**			
PH	3	**CL**	F	**MAX RPM**	2700		**MAX CORR KVAR**	13.6											
BRG	**DE**	6313	**ODE**	6313	**ENCL**	TEFC	**FR**	364T		**IP**	55								
GREASE	POLYREX EM						**MTR WT**	869	**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**	0-60	**HZ**	1000:1		**CHP**	60-90		**HZ**	1.5:1					
INV TEMP CL	200	**C**	**USABLE AT**	N/A															

DUTY MASTER ALTERNATING CURRENT MOTORS

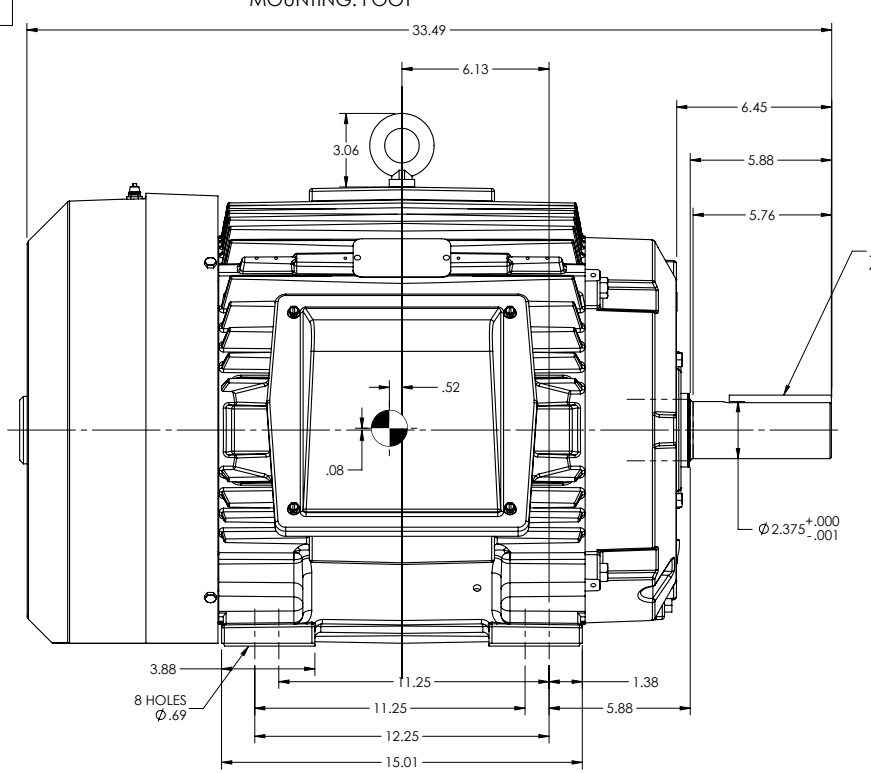
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

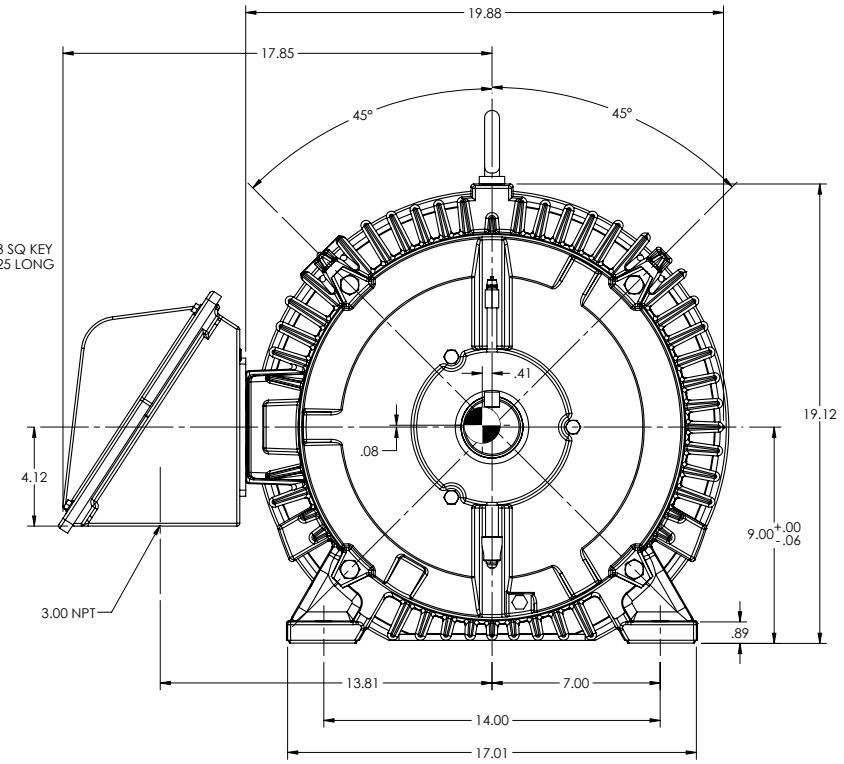
ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAMES 364T-365T

COOLING: FAN COOLED

617428-034





⊕ DENOTES CENTER GRAVITY VARY ± 1.00 INCH

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

CONDUIT BOXES LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

WEIGHT (LBS): 364T = 865
365T = 890

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: NEW ISSUE			
REV: C	VERSION: 03	REVISED: 01:52:13 06/13/2024	TDR: 000001234622
MODEL NO. 617428-034			REF:
BY: RAGGDM			B

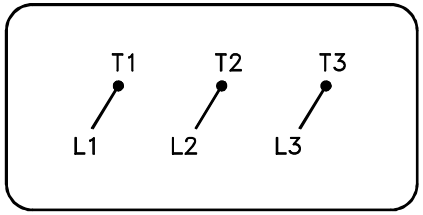
BALDOR

DIM SHEET HOR 364-5T TEFC XT

617428-034

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