ABB BALDOR RELIANCE

Customer information packet

SPM4316T

75HP, 1785RPM, 3PH, 60HZ, 365T, A3676M, TEFC, F
Class - CLI GP A,B,C,D; CLII GP F,G
Division - Division II

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11/19/2026 4:20:33 AM

Specifications

Enclosure	TEFC
Frame	365T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
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	CCSAUSEEV
	CURUSEEV
	NEMA PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	180.000 A @ 230.0 V
	184.000 A @ 208.0 V
	90.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	90.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4307
Layout	617436-320
Eff. date	01-09-2026
CD Diagram	CD0180
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	08-12-2024

Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3676M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	81
Product Family	General Industrial
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	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L
MOBILE POLYREX EM

NP4562L

CAT NO	SPM4316T			**SPEC NO.**	A36-0003-4307			**I.P.**	55										
HP	75	**AMPS**	180/90		**VOLTS**	230/460		**DESIGN**	A										
FRAME SIZE	365T	**RPM**	1785		**MAX RPM**	2700	**HZ**	60	**AMB**	40	**C**								
D.E. BRG.	65BC03J30X			**PH.3**	3	**DUTY**	CONT			**INSUL.CLASS**	F								
O.D.E. BRG.	65BC03J30X			**TYPE P**	P	**ENCL**	TEFC	**SF**	1.15	**CODE**	J								
POWER FACTOR	81		**MAX CORR KVAR**	23			**NEMA NOM EFFICIENCY**	95.8			**MOTOR WEIGHT**		**LBS**						
CL.I,DIV 2,GRP:	**A,B,C,D**	**T.CODE**	T3			**CL.1,ZONE 2,GRP:**		**IIA,IIB,IIC**	**T=**	200	**C**	**INVERTER T.CODE**	T3						
CL.II,DIV 2,GRP:	**F,G**	**T.CODE**	T3C			**CL II ZONE 22 GRPS IIIB**		**T=**	160	**C**	**INVERTER T.CODE**	T3C							
ID LOGO	**INV TYPE:**	**VPWM**	**CT**	15	**TO**	60	**VT**	3	**TO**	60	**CHP**	60	**TO**	90					
ID LOGO	**1.0 SF VPWM**	**WK2**	17.5		**LBFT2**		**SL HZ**	0.41		**MAG CUR**	76/38								
SER.NO.					**MEETS INTENT OF IEEE-45**					**FOR WEATHER PROTECTION**									

SHEET NUMBER 1 OF 1

DUTY MASTER ALTERNATING CURRENT MOTORS

617436-320

ENCLOSURE: TOTALLY ENCLOSED

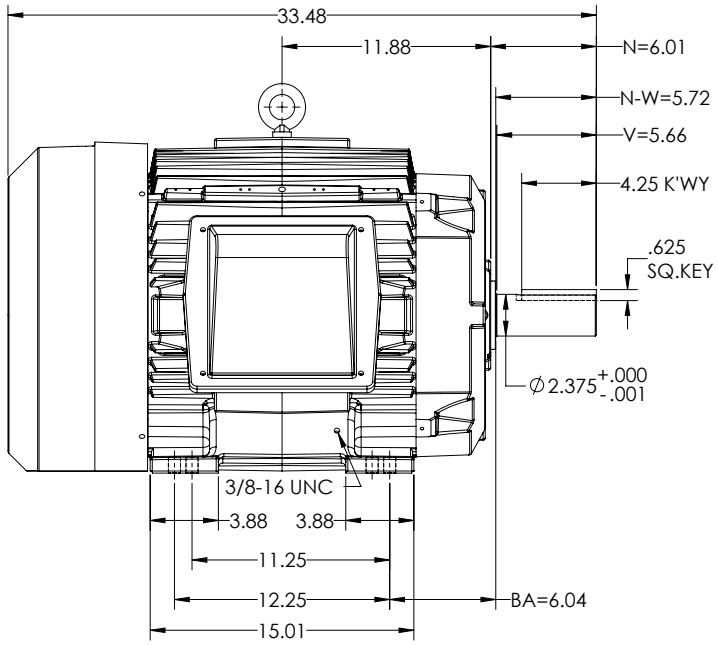
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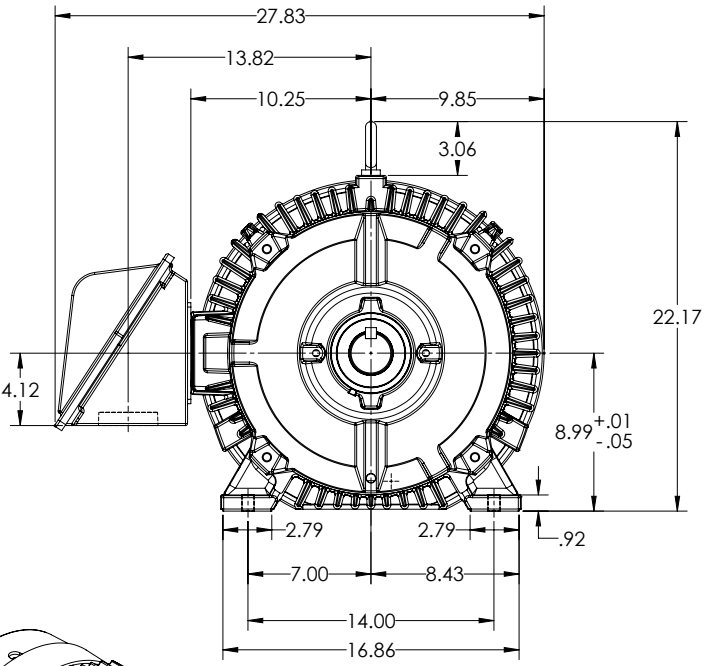
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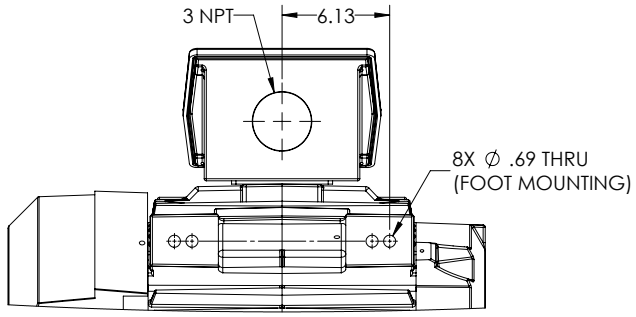
MOUNTING: FOOT, F-1

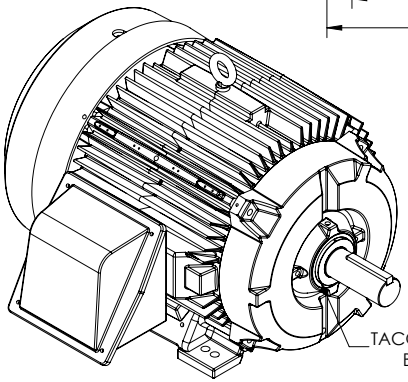
E364T/E365T FRAME MOUNTING HOLES

ENCLOSURE ENHANCEMENT: SEVERE DUTY









DIMENSIONS ARE IN INCHES.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

REV. DESC: NEW LAYOUT			
REV: -	VERSION: 00	REVISED: 08:39:57 08/16/2019	TDR: 000001114775
MODEL NO. 617436-320			
BY: USTIREE			C

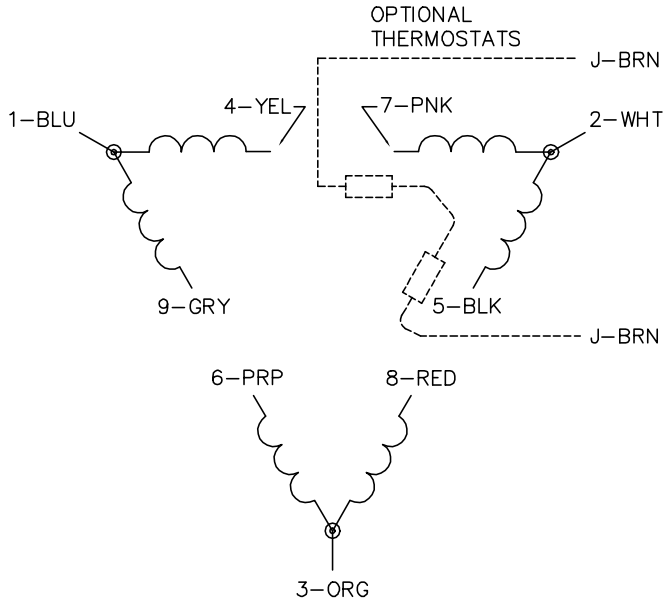
BALDOR

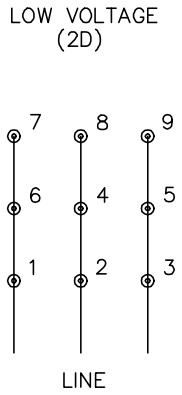
E364/365T TEFC F1 FOOT CI BOX/TACONITE SLINGERS FOR DIV2

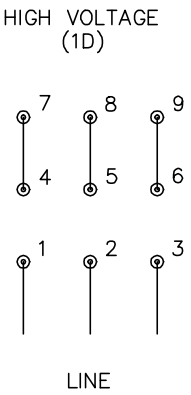
617436-320

617436-320

CD0180







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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1