ABB BALDOR RELIANCE

Customer information packet

JMEWDM4316T

75HP, 1785RPM, 3PH, 60HZ, 365TCZ, TEFC, F1
Class - None
Division - Not Applicable

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11/6/2026 4:36:22 AM

Specifications

Enclosure	TEFC
Frame	365TCZ
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	CSA EEV
	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	86.000 A @ 460.0 V
	188.000 A @ 208.0 V
	172.000 A @ 230.0 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
KVA Code	G

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4076
Layout	617436-346
Eff. date	02-13-2025
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	10-01-2019

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36070M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.11 IN
Power Factor	86
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	1.249 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
MOBIL POLYREX EM

NP2428L										
SPEC NO.	A36-7281-4076	**CAT.NO.**	JMEWDM4316T					**FRAME**	365TCZ	
HP	75	**VOLTS**	230/460	**PHASE**	3	**DESIGN**	B	**TYPE**	P	
RPM	1785	**AMPS**	172/86	**HZ**	60	**AMB**	40	**SF**	1.15	
DRIVE END BEARING	65BC03JGG30A	**DUTY**	CONT	**INSUL.CLASS**	F					
OPP D.E. BEARING	65BC03JGG30A	**ENCL**	TEFC	**CODE**	G					
SER.NO.		**POWER FACTOR**	86			**NEMA-NOM-EFFICIENCY**	95.4			
						MAX CORR KVAR	15.8	**GUARANTEED EFFICIENCY**	94.5	
	IP55					**NEMA NOM/CSA QUOTED EFF**				
	4:1CT AND 4:1VT ON VPWM INVERT					ER, 1.00SF		**MOTOR WEIGHT**		

Parts List

Part number	Description	Quantity
SA375056	SA A36-7281-4076	1.000 ea
RA364940	RA A36-7281-4076	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
000692000CY	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP2428L	WASHDOWN DUTY MOTOR, SS, CC, CSA-C	1.000 ea
085922073B	BRKT 360 085922072WCC KB	1.000 ea
415072001B	CLAMP	1.000 ea
078559075	FAN CVR E360 TEFC W/ NO LUBE ENTRY	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
412118006A	DRAIN	1.000 ea
702676001C	FAN 360	1.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018012DN	HHCS 1/2-131-1/2 304S.S.	4.000 ea
032018008AN	HHCS 1/4-20X1 304 S.S.	4.000 ea
032018024CN	HHCS 3/8-16X3 304 S.S.	3.000 ea
415045002E	SLGR	1.000 ea
410700004F	WSHR	1.000 ea
423709011C	WASHER	3.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
085922070HF	E360 C FACE BRACKET 6313 BRG TEFC- 4.640	1.000 ea
032018012DN	HHCS 1/2-131-1/2 304S.S.	4.000 ea
032018024CN	HHCS 3/8-16X3 304 S.S.	3.000 ea
415045002E	SLGR	1.000 ea
415028001AL	SEAL	1.000 ea
412118006A	DRAIN	1.000 ea

423709011C	WASHER	3.000 ea
076708141	CAST IRON 3" LEAD OUTLET	1.000 ea
065776000C	GASKET,MAIN CBOX, 320-400	1.000 ea
076709000A	C/B Cover - 360	1.000 ea
067053000B	GASK 320-400	1.000 ea
032018006AN	HHCS1/4-20X3/4304S.S.-360	4.000 ea
032018010CN	HHCS 3/8-16X1-1/4 304S.	4.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
034000014AF	WSHR 3/8 304 S.S.	4.000 ea
004824003AJF	WILKO781.01 WHITE2 COATS - MG1025W01	0.250 ga
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180020DA	KEY 1/4X1/4X2-1/2 L	1.000 ea
604797045	STD. 400 FRAME SKID	1.000 ea
032510024D	CARRIAGE BOLT - 444	2.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	2.000 ea
034001016AB	WSHR .562ID 1.375OD .109	2.000 ea
033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea

617436-346

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

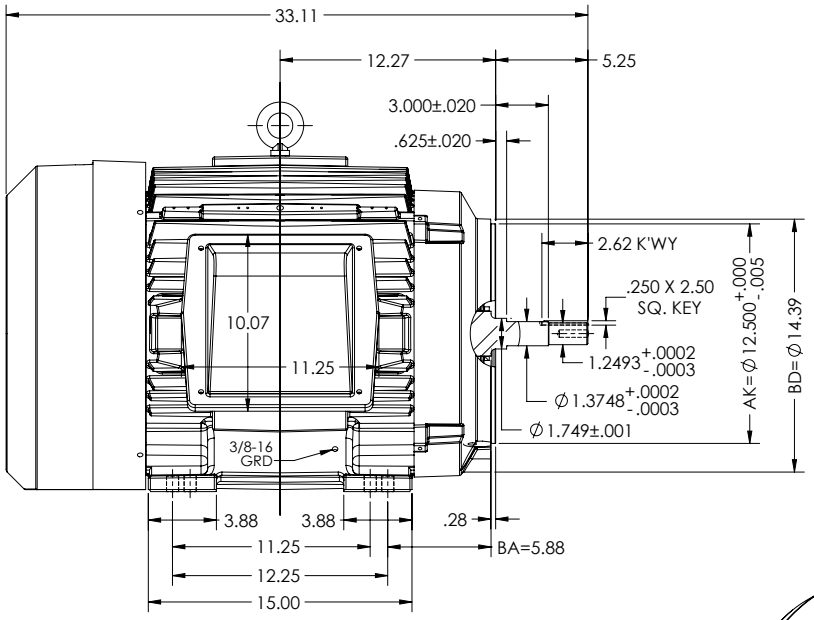
MOUNTING: FOOT, C-FACE, F-1 SIDE

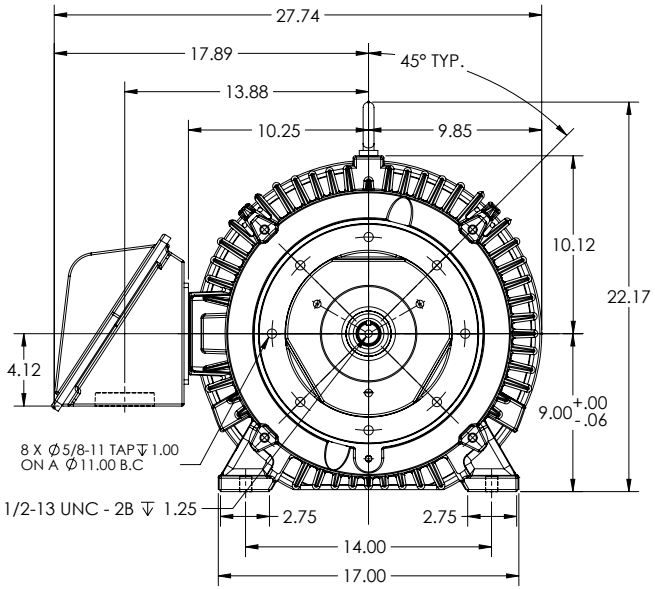
FRAME 365TCZ
INCLUDES 364TCZ FRAME MOUNTING HOLES

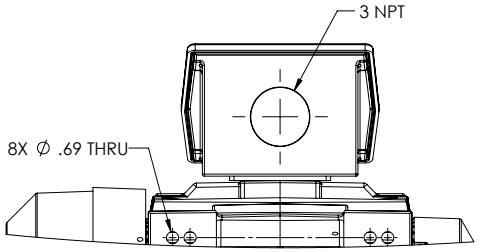
326JM D.E. SHAFT EXT. PER 14LYP021

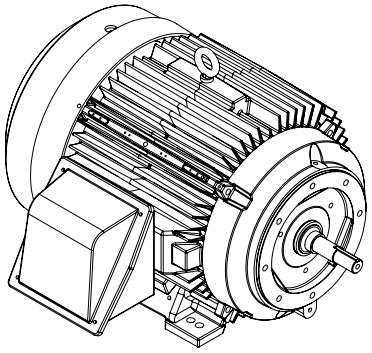
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY









FACE RUNOUT & ECCENTRICITY .007 MAX T.I.R

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

DIMENSIONS ARE IN INCHES

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

REV. DESC: NEW LAYOUT			
REV: -	VERSION: 00	REVISED: 09:14:39 09/30/2019	TDR: 000001121139
MODEL NO. 617436-346			
BY: USTIREE			C

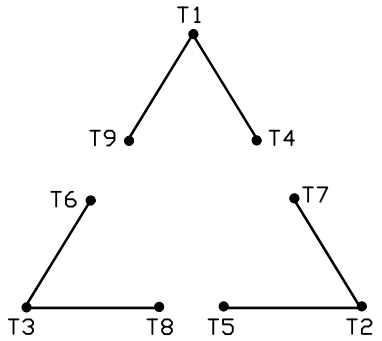
BALDOR

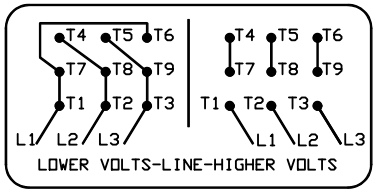
E365TCZ TEFC FT - F1 - SHAFT 326JM PER 14LYP021

617436-346

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002