ABB BALDOR RELIANCE

Customer information packet

SPM4316TS

75HP, 1780RPM, 3PH, 60HZ, 365TS, A3684M, TEFC
Class - CLI GP A,B,C,D; CLII GP F,G
Division - Division II

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Specifications

Enclosure	TEFC
Frame	365TS
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
	NEMA_PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	88.000 A @ 460.0 V
	188.000 A @ 208.0 V
	176.000 A @ 230.0 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	88.0 a
Insulation Class	H
Inverter Code	Inverter Duty

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG6598
Layout	617438-415
Eff. date	12-11-2024
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6 Y
Proprietary	False
Created date	09-20-2023

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3684M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	31.35 IN
Power Factor	82
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 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

NP2496L
MOBIL POLYREX EM

NP4562L

CAT NO	SPM4316TS			**SPEC NO.**	A36-0004-6598				**I.P.**	55							
HP	75	**AMPS**	176/88		**VOLTS**	230/460			**DESIGN**	A							
FRAME SIZE	365TS	**RPM**	1780		**MAX RPM**	2700	**HZ**	60	**AMB**	40							
D.E. BRG.	65BC03J30X			**PH.3**	3	**DUTY**	CONT			**INSUL.CLASS**	H						
O.D.E. BRG.	65BC03J30X			**TYPE P**	P	**ENCL**	TEFC	**SF**	1.15	**CODE**	J						
POWER FACTOR	82			**MAX CORR KVAR**	21.2					**NEMA NOM EFFICIENCY**	95.8			**MOTOR WEIGHT**		**LBS**	
CL.I,DIV 2,GRP:	**A,B,C,D**	**T.CODE**	T3A			**CL.1,ZONE 2,GRP:**				**IIA,IIB,IIC**	**T=**	180	**INVERTER T.CODE**	T3			
CL.II,DIV 2,GRP:	**F,G**	**T.CODE**	T3C				**CL II ZONE 22 GRPS IIIB**			**T=**	160	**INVERTER T.CODE**	T3				
ID LOGO	**INV TYPE:**	**VPWM**	**CT**	15	**TO**	60	**VT**	3	**TO**	60	**CHP**	60	**TO**	90			
ID LOGO	**1.0 SF VPWM**	**WK2**	19.4	**LBFT2**	**SL HZ**	0.7	**MAG CUR**	76/38									
SER.NO.				**MEETS INTENT OF IEEE-45**					**FOR WEATHER PROTECTION**								

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

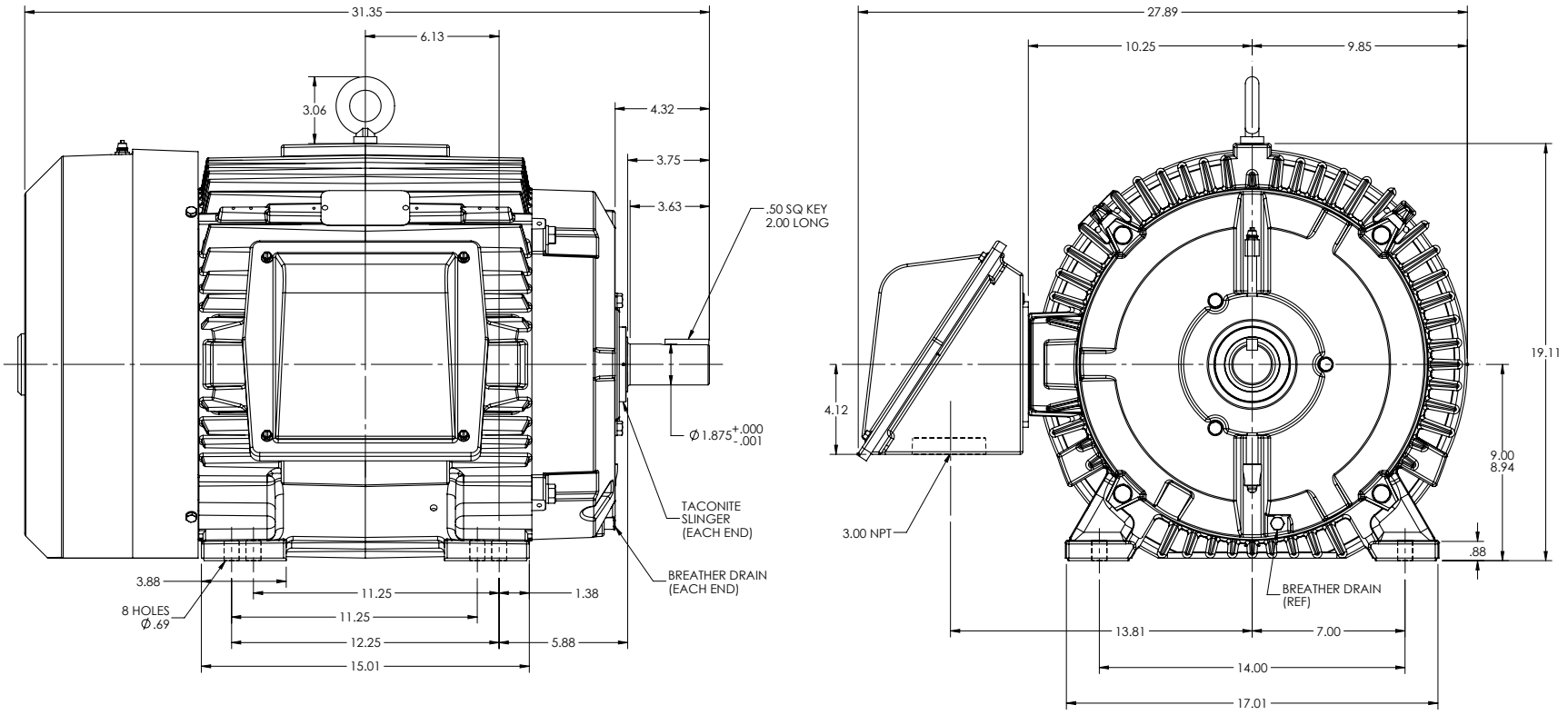
617438-415

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAMES 364TS-365TS

COOLING: FAN COOLED

ECP SEVERE DUTY



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

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BY: USTIREE			B

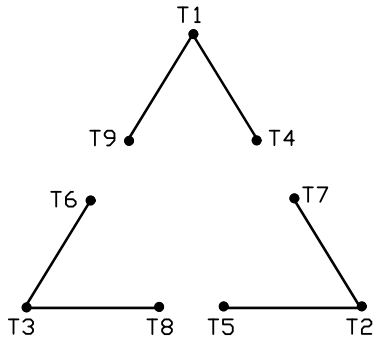
BALDOR

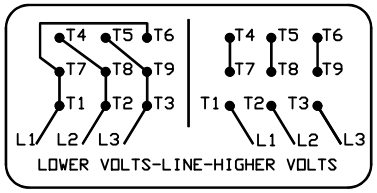
HORZ 364-5TS TEFC ECP DIV.2, CL.2

617438-415

416820-002

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





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
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MTL: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

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