



Customer information packet

SPM4314T

60HP, 1785RPM, 3PH, 60HZ, 364T, A36070M, TEFC

PFC EQUIPMENT INC

Class - CLI GP A,B,C,D; CLII GP F,G

Division - Division II

Specifications

Enclosure	TEFC
Frame	364T
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	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 CURUSEEV NEMA PREMIUM NEMA_PREMIUM
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 189.000 A @ 208.0 V 140.000 A @ 230.0 V
Design Code	A
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	70.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4148
Layout	617438-414
Eff. date	08-22-2024
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	10-06-2023

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	A36070M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	84
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

NP4562L

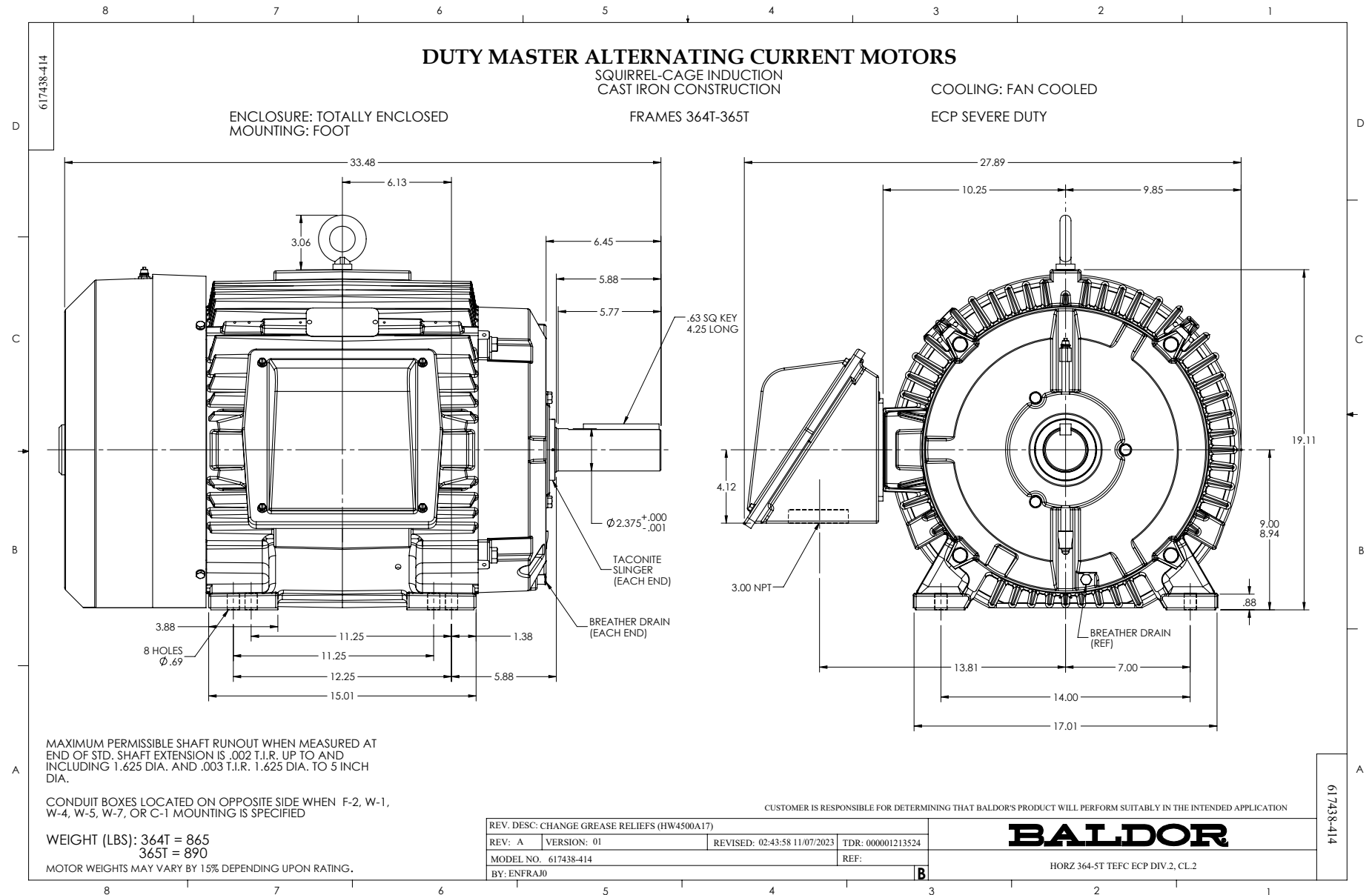
CAT NO	SPM4314T		SPEC NO.		A36-0009-4148			I.P.		55					
HP	60	AMPS	140/70		VOLTS	230/460		DESIGN	A						
FRAME SIZE	364T	RPM	1785		MAX RPM	2700	HZ	60	AMB	40	°C				
D.E. BRG.	65BC03J30X		PH.3	3	DUTY	CONT		INSUL.CLASS		F					
O.D.E. BRG.	65BC03J30X		TYPE P		P	ENCL	TEFC	SF	1.15	CODE	J				
POWER FACTOR	84	MAX CORR KVAR		14.9		NEMA NOM EFFICIENCY				95.4		MOTOR WEIGHT		LBS	
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T3C		CL.1,ZONE 2,GRP:				IIA,IIB,IIC		T=	160	°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		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	16.2	LBFT2		SL HZ	0.5	MAG CUR		56/28				
SER.NO.			MEETS INTENT OF IEEE-45					FOR WEATHER PROTECTION							

NP2496L	
MOBIL POLYREX EM	

Parts list

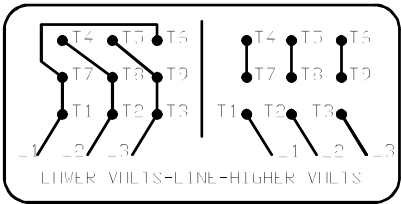
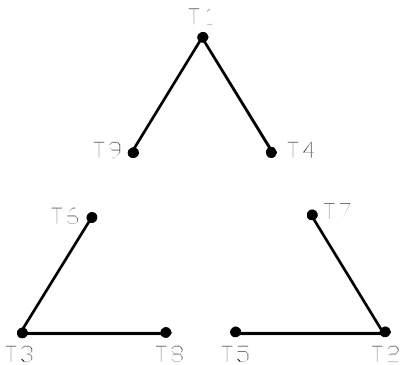
Part number	Description	Quantity
SA420278	SA A36-0009-4148	1.000 ea
RA412237	RA A36-0009-4148	1.000 ea
NP4562L	SS,SUPER PREM,CL.II DIV 2,MAIN,NEMA PREM	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
N424005509DBA	LEAD SET 4-1/6-1 AWG 6-DB 360 FR 54 IN	1.000 ea
085922138	BRKT STD 6313 BRG E360 TEFC W/ TACONITE,	1.000 ea
415072001B	CLAMP	1.000 ea
402558000DDA	BRDRN	1.000 ea
404467031AA	BUSH	1.000 ea
415044014A	SLGR	1.000 ea
078559034A	+F/C A 078559001A - 360	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
702676001C	FAN 360	1.000 ea
004824015A	GREASE POLYREX EM	0.544 lb
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	4.000 ea
032018008AK	HHCS 1/4-20X1 PLATED	4.000 ea
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
410700004F	WSHR	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	3.000 ea
034530052AB	P/NIP 1/8X6-1/2 Zinc	1.000 ea
032620012GD	HSSS 6-32X3/8" 304 S.S.	2.000 ea
085922138	BRKT STD 6313 BRG E360 TEFC W/ TACONITE,	1.000 ea
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 ea
415044014A	SLGR	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	3.000 ea

032620012GD	HSSS 6-32X3/8" 304 S.S.	2.000 ea
402558000DDA	BRDRN	1.000 ea
034530020AB	P/NIP 1/8X2-1/2 PLTED	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
404467031AA	BUSH	1.000 ea
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	4.000 ea
076708000BB	CONDUIT BOX-360	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
418150003A	GREASE FITTING CAP	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *** NLA IN 5 GALLON	0.250 ga
032018010CK	HHCS 3/8-16X1-1/4 PLTD. 032018010CR	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
034530040BB	P/NIP 1/4X5	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
034000014AB	WSH ID.406 OD.812 TH.065	4.000 ea
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
LB1636	LABEL, SUPER PREMIUM SP4, 1.75 X 1.75	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 ea
032509020C	CARRIAGE BOLT - 360	3.000 ea



416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
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BALDOR - RELIANCE®

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED
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