

ABB BALDOR RELIANCE III

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

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

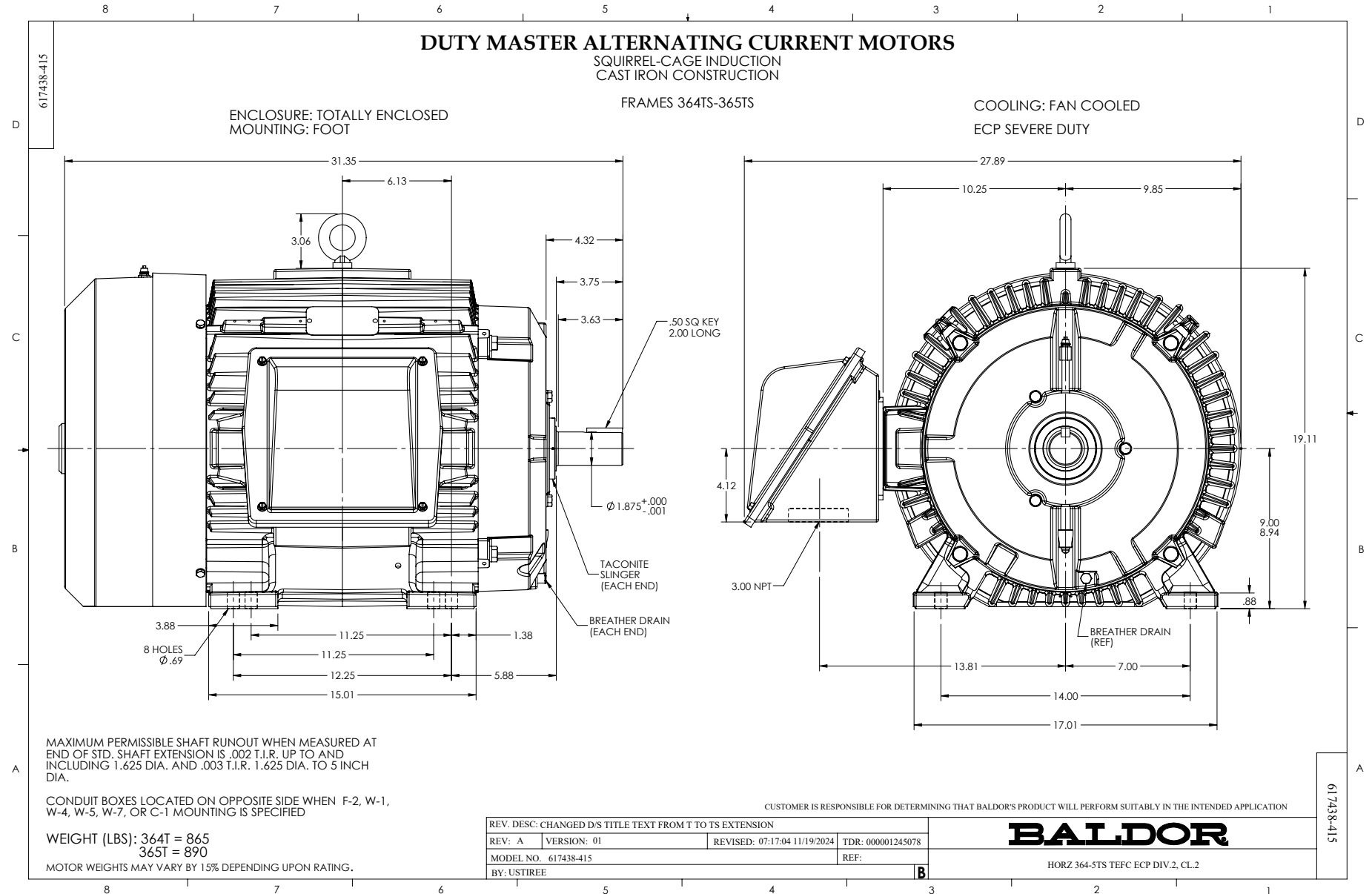
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3684M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	31.35 IN
Power Factor	82
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face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

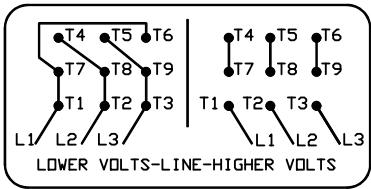
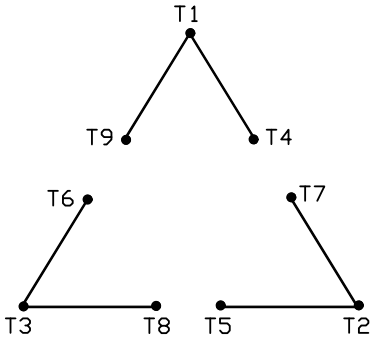
NP4562L

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
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
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		



416820-002

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



(N. P. 1575-B)

416820-002

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: -		



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED
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