

ABB BALDOR RELIANCE III

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

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

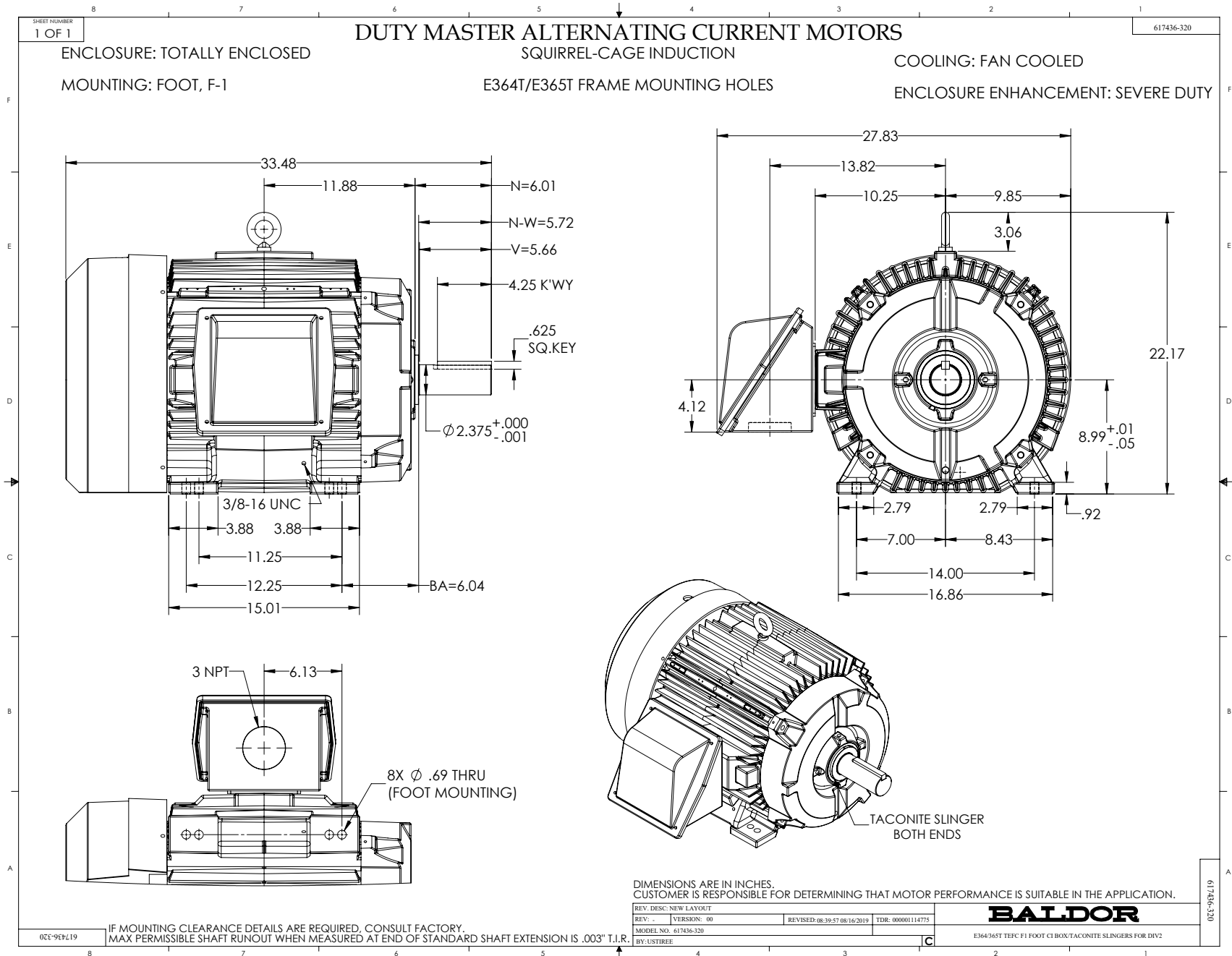
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3676M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	81
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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

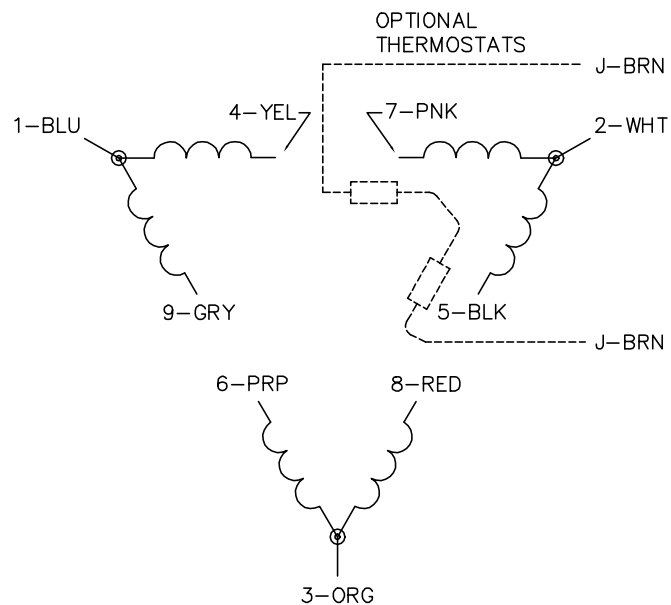
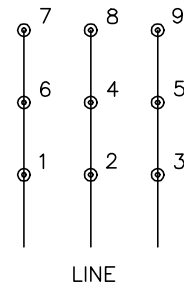
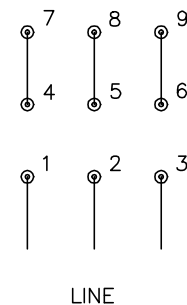
NP2496L	
MOBILE POLYREX EM	

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			



CD0180


 LOW VOLTAGE
(2D)

 HIGH VOLTAGE
(1D)

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: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

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