



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	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4307
Layout	617436-320
Eff. date	02-03-2025
CD Diagram	CD0180
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	08-12-2024

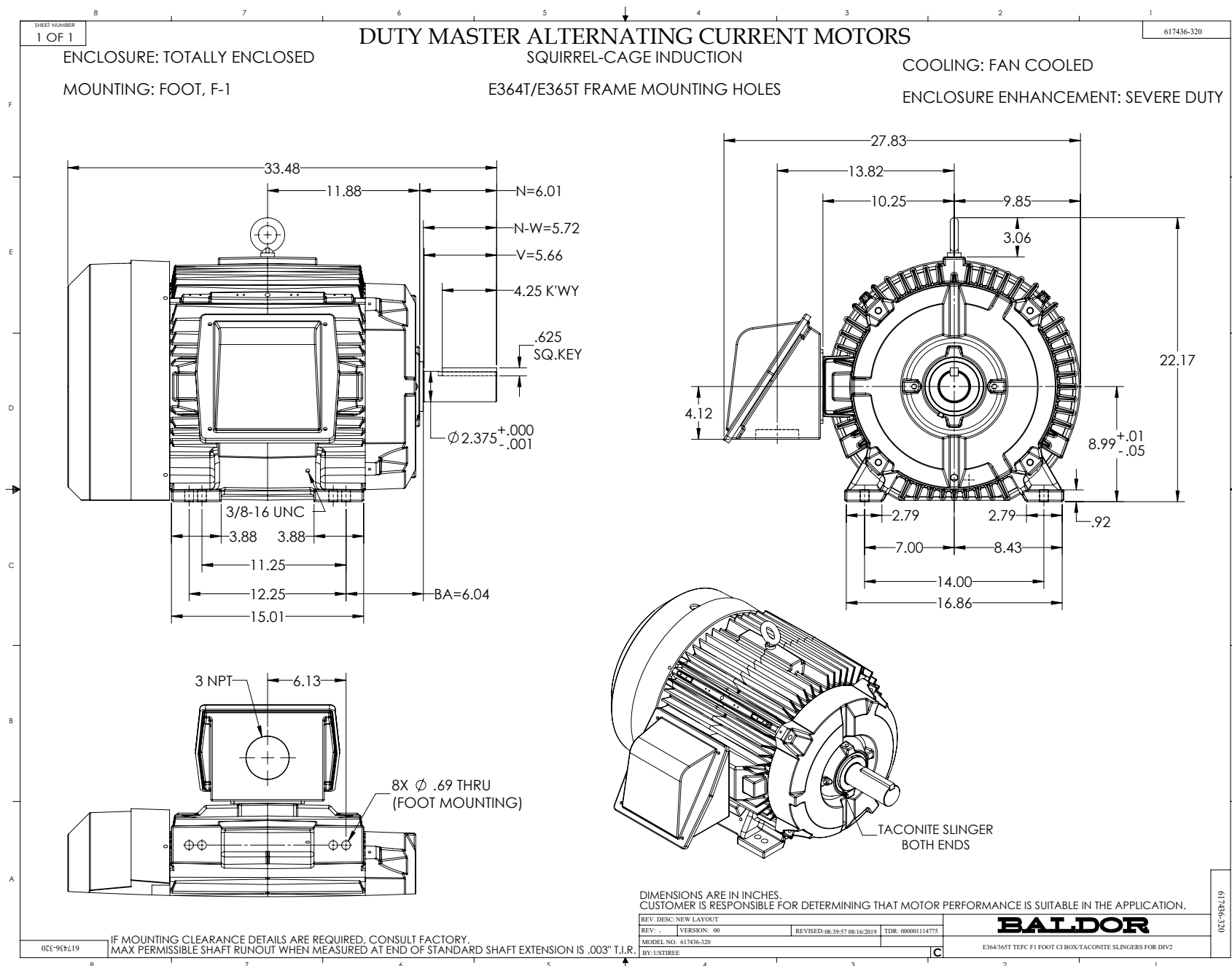
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3676M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	81
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard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

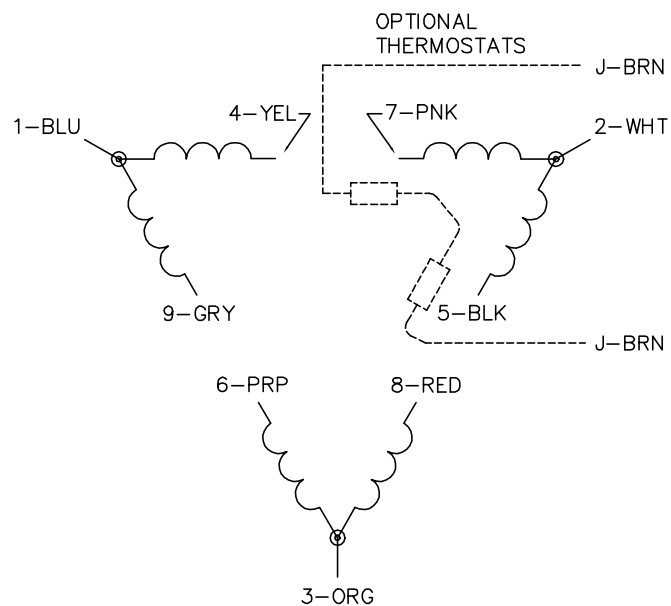
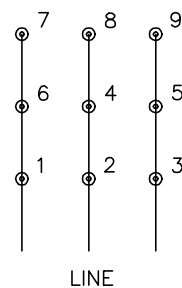
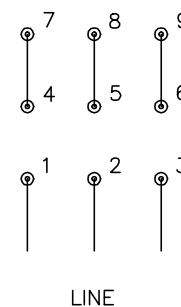
NP2496L	
MOBILE POLYREX EM	

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											
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		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			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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