

ABB BALDOR RELIANCE III

Customer information packet

XM36642T

60HP, 1780RPM, 3PH, 60HZ, 364T, TEFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP D; CL II GP F,G
Haz Area Division	Division I
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 CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	70.000 A @ 460.0 V 152.000 A @ 208.0 V 140.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	70.0 a
Insulation Class	F

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4075
Layout	611742-987
Eff. date	07-28-2025
CD Diagram	CD0180
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	11-15-2019

Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3658M
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	1.00
Shaft Diameter	2.374 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	Normally Closed Thermostat

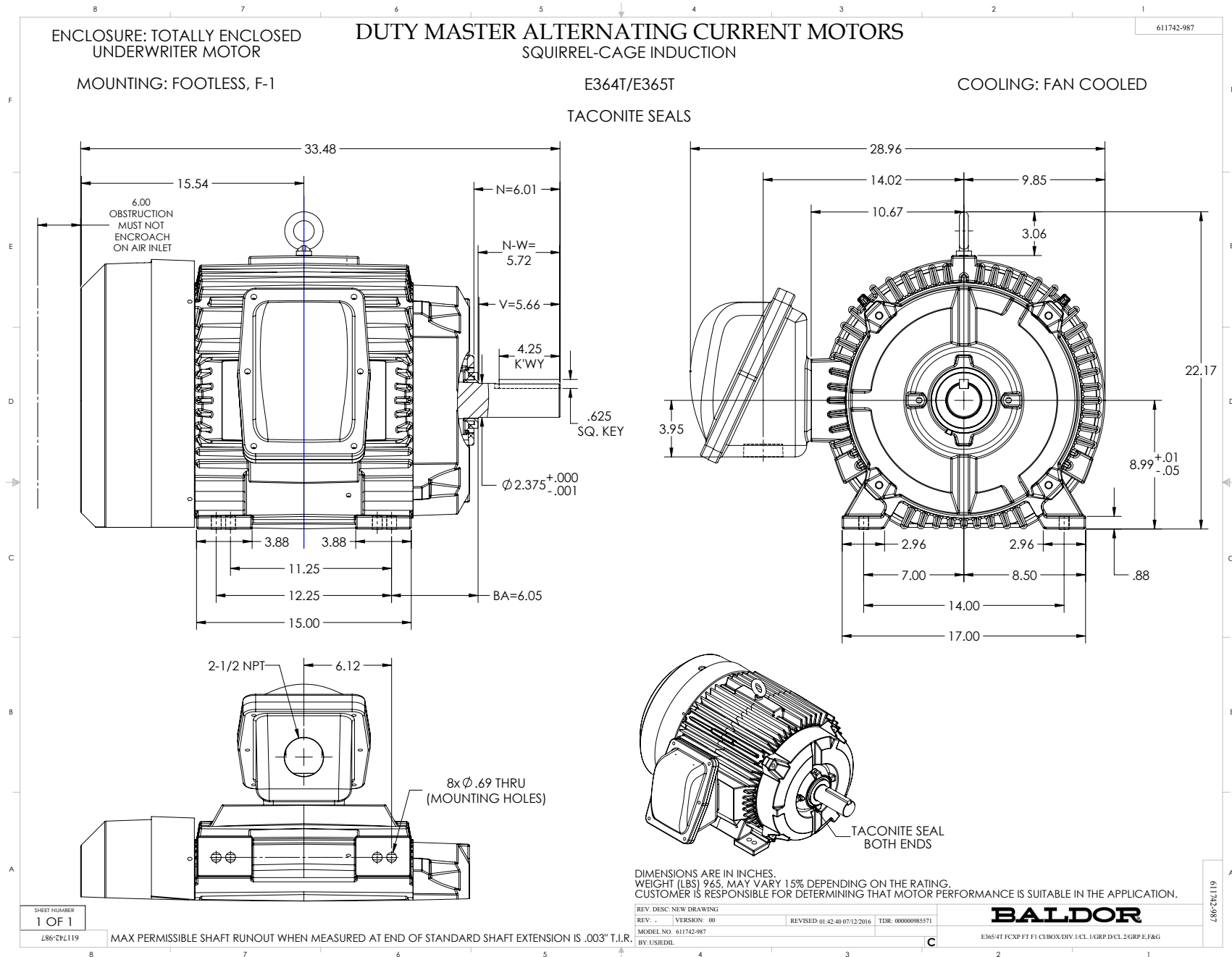
Nameplate

NP2496L	
MOBIL POLYREX EM	

000613006PC		
CLASS I GROUP	D X X	NO.
CLASS II GROUP	F G X	
OPERATING TEMP CODE	T3C	

NP4017L

SPEC NO.	A36-6182-4075			CAT.NO.	XM36642T					FRAME SIZE	364T
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1780	AMPS	140/70		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	65BC03J30X			DUTY	CONT	INSUL CLASS			F		
OPP D.E. BEARING	65BC03J30X			ENCL	TEFC	CODE	G				
SINE WAVE SF	1.15	WK2	13.42	MAG CUR	50/25		MAX RPM		2700		
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-90		NOM.EFF.		95		
	IP54										
SER.NO.					MOTOR WEIGHT		972				



CONNECTION DIAGRAM
ACCESSORIES

MOTOR WINDING THERMOSTATS			
CONTACTS _____ @ _____ °C			
FIGURE NUMBER _____			
VOLTS		CONTACT RATING CONTINUOUS AMPERES	
110-120		3.0	30
220-240		1.5	15
440-480		0.75	7.5
550-600		0.60	6.0

THERMOSTATS	
NORMALLY CLOSED	NORMALLY OPEN
FIGURE 1	FIGURE 4
FIGURE 2	FIGURE 5
FIGURE 3	FIGURE 6
FIGURE 7	FIGURE 8

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

418174-006

418174-006

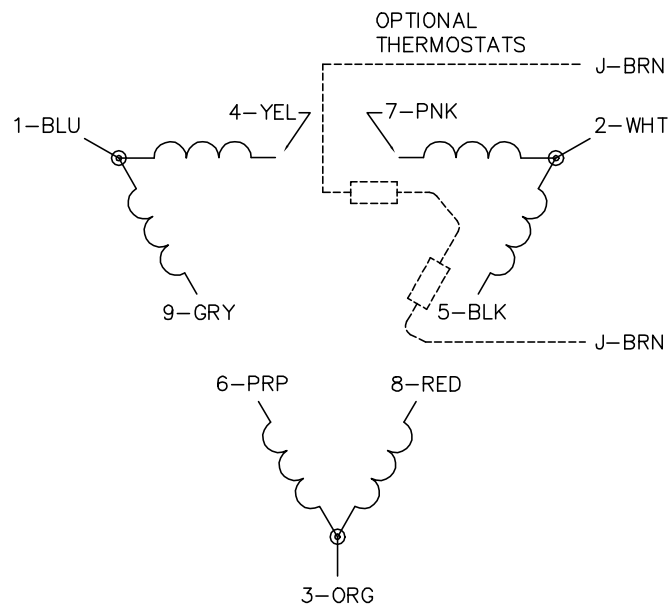
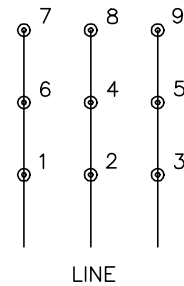
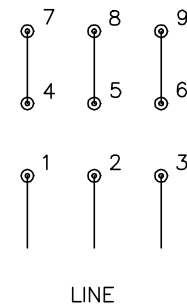
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MTL: -		

BALDOR

A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

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.

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

SH 1 of 1

CD0180