

ABB BALDOR RELIANCE III

Customer information packet

EM4314T-58

60HP, 1485RPM, 3PH, 50HZ, 364T, A36070M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	400.0 V @ 50 HZ
Agency Approvals	WEEE CE CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	79.100 A @ 400.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	79.1 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 6 AWG

Part Detail

Revision	M
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0820
Layout	617431-412
Eff. date	08-21-2025
CD Diagram	416820-008
Poles	04
Leads	6#6
Proprietary	False
Created date	06-10-2019

Motor Standards	NEMA
Motor Type	A36070M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	86
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	No Slinger
Speed	1485 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

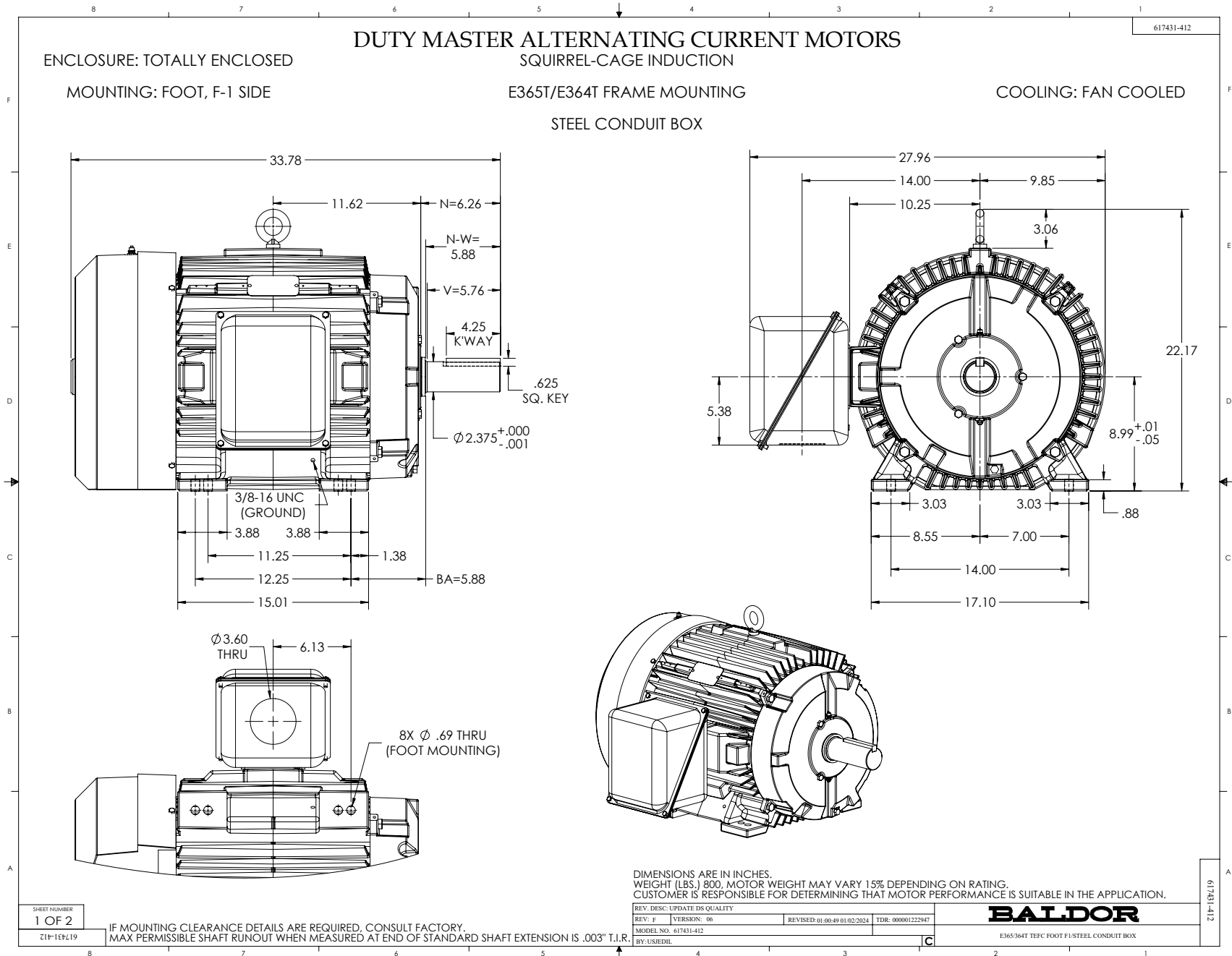
Nameplate

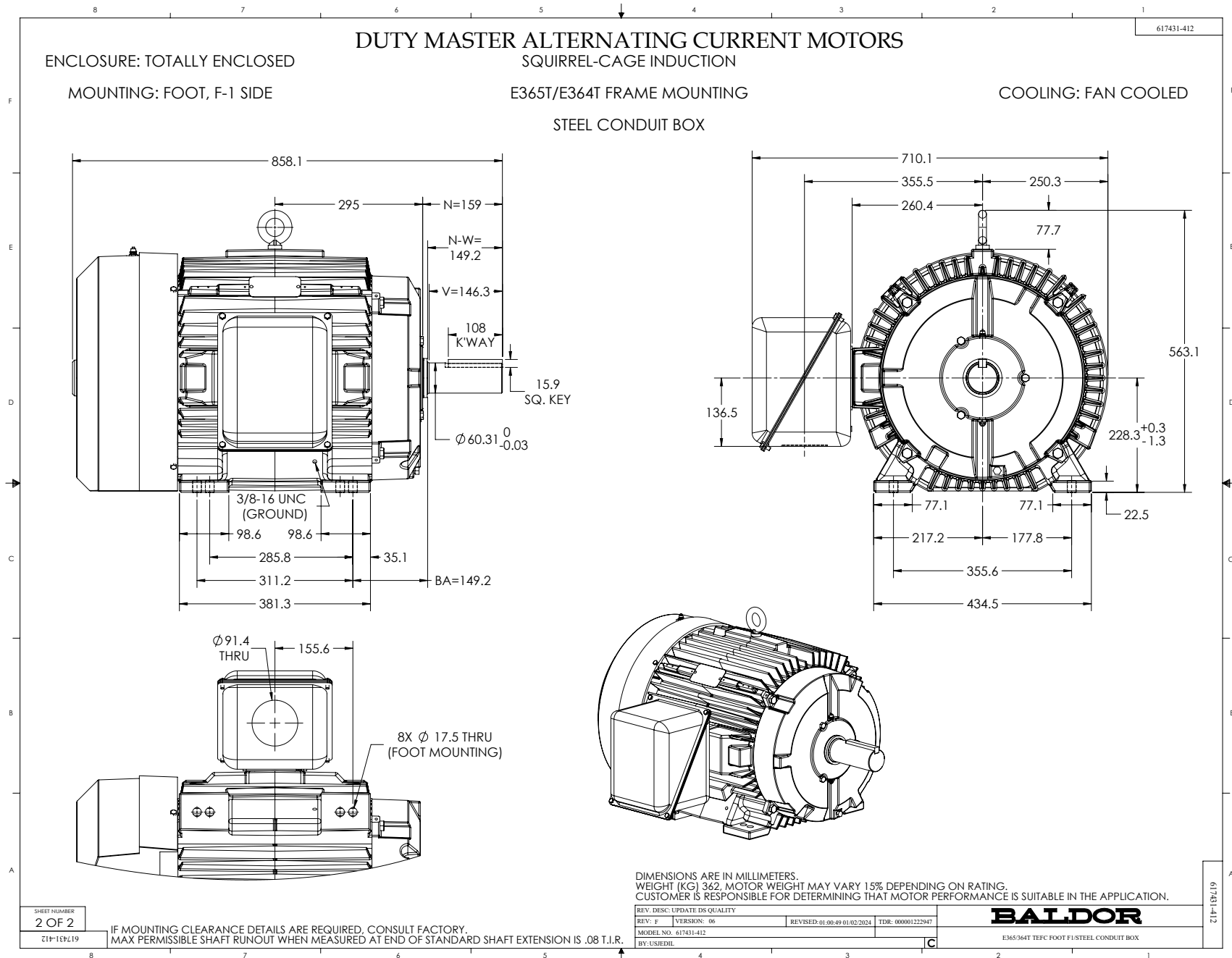
NP2496L	
MOBIL POLYREX EM	

NP2838L					
SPEC NO.	A36-0002-0820	IP	54	TEMP	64
	IE3 - 94.2 (100%) - 95.2(75%)			- 95.1(50%)	

NP3145L

SPEC NO.	A36-0002-0820			CAT.NO.	EM4314T-58					FRAME	364T
HP	60	VOLTS	400	PHASE	3	DESIGN	B	TYPE	P		
RPM	1485	AMPS	79.1	HZ	50	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR	86	NEMA-NOM-EFFICIENCY			94.2		
	60HP/45KW					MAX CORR KVAR	12.4	GUARANTEED EFFICIENCY		93	
	412 KG.					NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT					

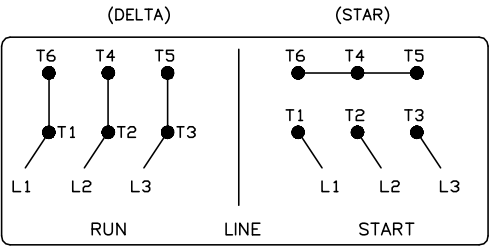
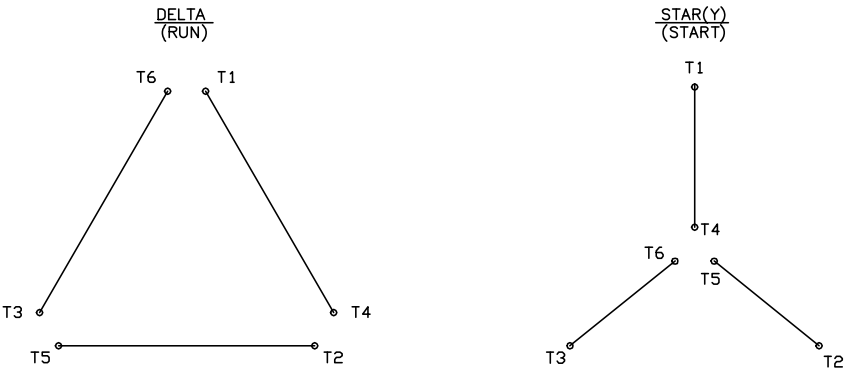




416820-008

A-C MOTOR CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



< N. P. 1767-DC >

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: —		

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

416820-008