

BALDOR • RELIANCE

Customer information packet

EM25694T-4

300HP, 1785RPM, 3PH, 60HZ, 449T, DP, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	331.000 A @ 460.0 V
Design Code	B
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	331.0 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 @ 2/0 AWG
Motor Standards	NEMA
Motor Type	A44112M

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4249
Layout	604989-635
Eff. date	07-18-2022
CD Diagram	416820-008
Poles	04
Leads	6#2/0
Proprietary	False
Created date	04-29-2015

Mounting Arrangement	F1
Number of Poles	4
Overall Length	48.13 IN
Power Factor	88
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A44-7189-4249	CAT.NO.	EM25694T-4	FRAME	449T
HP	300	VOLTS	460	PHASE	3
RPM	1785	AMPS	331	DESIGN	B
DRIVE END BEARING	90BC03J30X	DUTY	CONT	TYPE	P
OPP D.E. BEARING	90BC03J30X	ENCL	DP	AMB	40
SER.NO.		INSUL.CLASS	F	SF	1.15
		CODE	G	POWER FACTOR	88
				NEMA-NOM-EFFICIENCY	95.8
				MAX CORR KVAR	59.9
				GUARANTEED EFFICIENCY	95
				NEMA NOM/CSA QUOTED EFF	
				MOTOR WEIGHT	2151

604989-635

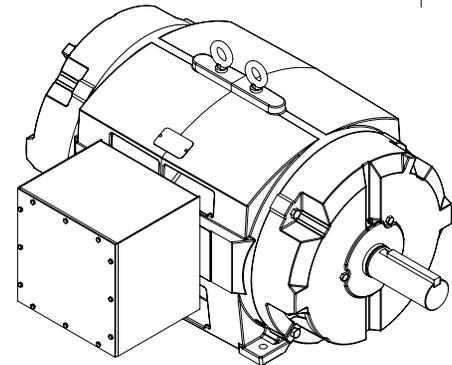
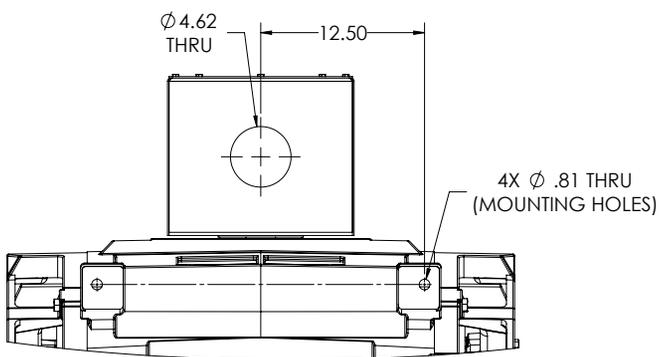
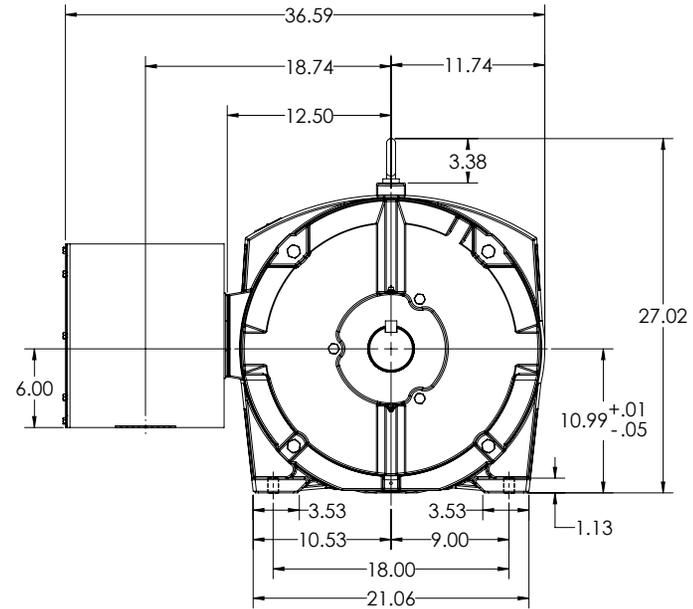
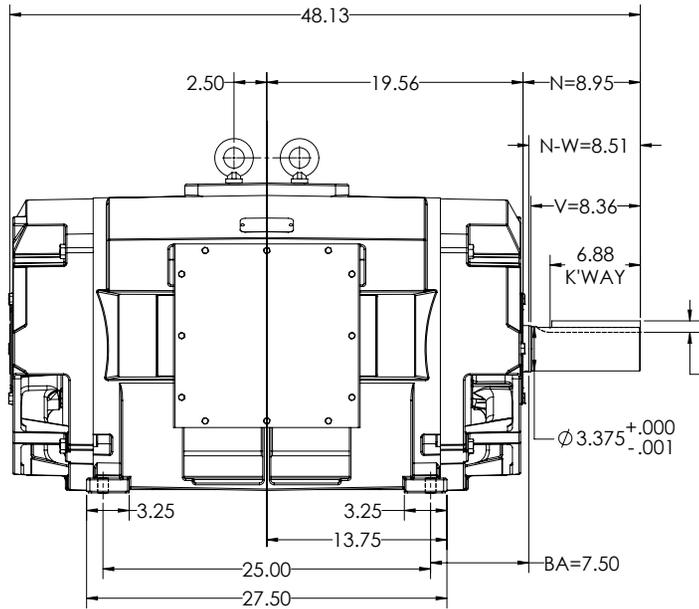
DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED/ODP

MOUNTING: FOOT, F-1 SIDE

FRAME E449T

COOLING: SELF-VENTILATED



DIMENSIONS ARE IN INCHES.
CONDUIT BOX ROTATABLE IN 90° INCREMENTS.
MOTOR WEIGHT: 2100 LBS. MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
1 OF 1
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
SEY-686F09 MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM			
REV: A	VERSION: 01	REVISED: 07-43-45 07/14/2022	TDR: 000001193529
MODEL NO. 604989-635			
BY: USBUFR4			

BALDOR

E449T PROT/ODP F1 FOOT 14X14X12 STEEL BOX

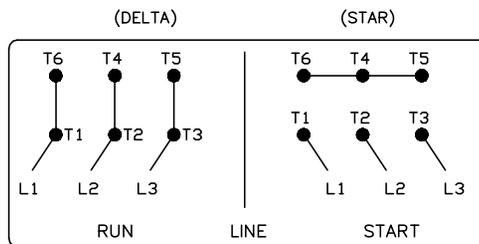
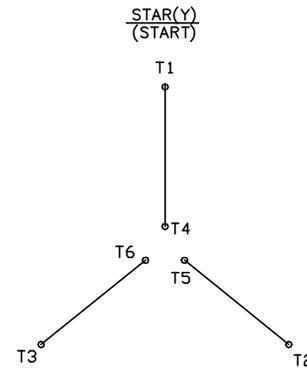
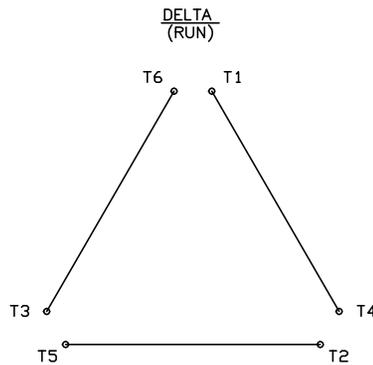
604989-635

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: 00000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -		© □

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CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

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