

**BALDOR • RELIANCE**

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# Customer information packet

## EM251302T-4

300HP, 3565RPM, 3PH, 60HZ, 447TS, A44084M, DP

Class - None

Division - Not Applicable

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6/9/2025 4:31:00 AM

## Specifications

Enclosure	DP
Frame	447TS
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	3600 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	334.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	334.0 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	A44084M

## Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4106
Layout	604989-483
Eff. date	03-25-2019
CD Diagram	416820-008
Poles	02
Leads	6#2/0
Proprietary	False
Created date	02-12-2015

<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	39.37 IN
<b>Power Factor</b>	88
<b>Product Family</b>	General Industrial
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	2.375 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	3565 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Wye Start - Delta Run
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None

**Nameplate**

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NP2496L	
MOBIL POLYREX EM	

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**NP2349L**

<b>SPEC NO.</b>	A44-6805-4106	<b>CAT.NO.</b>	EM251302T-4	<b>FRAME</b>	447TSS/TS
<b>HP</b>	300	<b>VOLTS</b>	460	<b>PHASE</b>	3
		<b>DESIGN</b>	B	<b>TYPE</b>	P
<b>RPM</b>	3565	<b>AMPS</b>	334	<b>HZ</b>	60
		<b>AMB</b>	40	<b>SF</b>	1.15
<b>DRIVE END BEARING</b>	65BC03J30X	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F
<b>OPP D.E. BEARING</b>	65BC03J30X	<b>ENCL</b>	DP	<b>CODE</b>	G
<b>SER.NO.</b>		<b>POWER FACTOR</b>	88	<b>NEMA-NOM-EFFICIENCY</b>	95.4
		<b>MAX CORR KVAR</b>	49	<b>GUARANTEED EFFICIENCY</b>	94.5
		<b>NEMA NOM/CSA QUOTED EFF</b>			
		<b>MOTOR WEIGHT</b>	1749		







604989-483

### DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

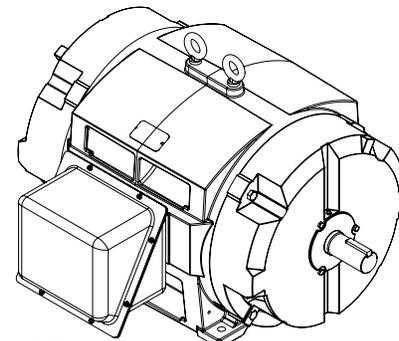
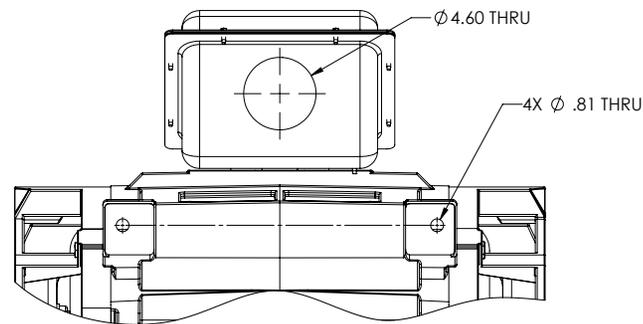
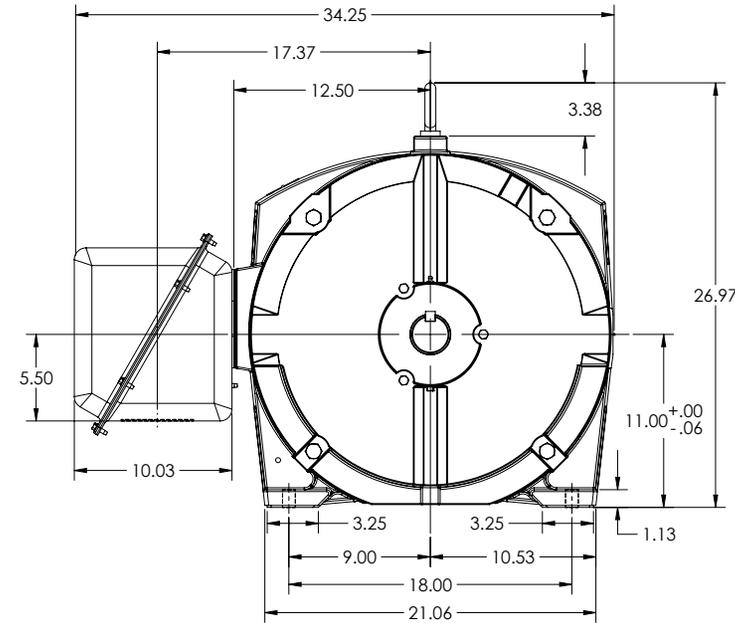
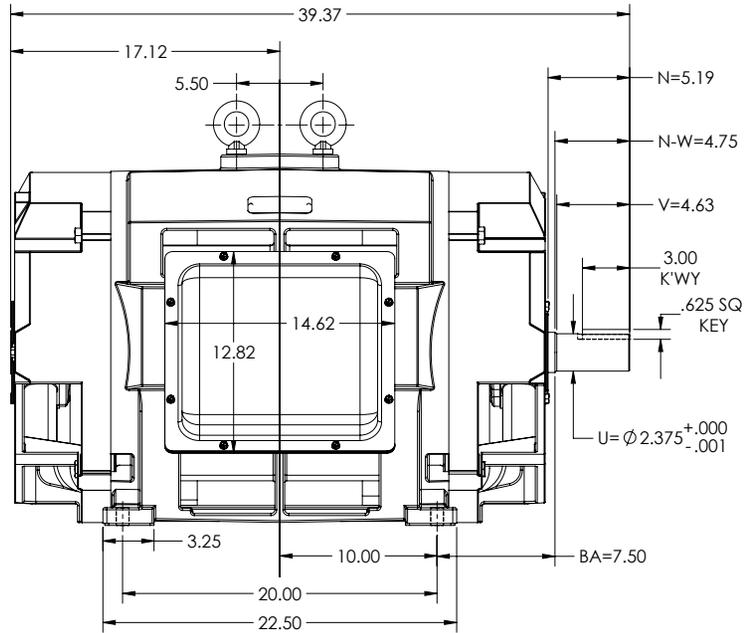
SQUIRREL-CAGE INDUCTION

COOLING: OPEN DRIP-PROOF

MOUNTING: FOOT, F-1

FRAME E447TS

STEEL CONDUIT BOX



DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM	VERSION: 02	REVISED: 07-26-15 07/14/2022	TDR: 000001193529
MODEL NO. 604989-483			
BY: USBUFA			

**BALDOR**

E447TS ODP FOOT - F1 - STEEL CONDUIT BOX

SHEET NUMBER  
1 OF 1

ESP-686F09

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF  
STANDARD SHAFT EXTENSION IS .003" T.I.R.

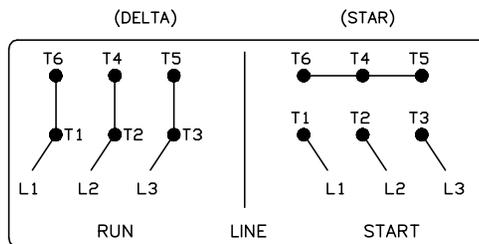
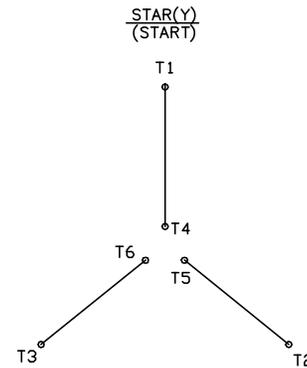
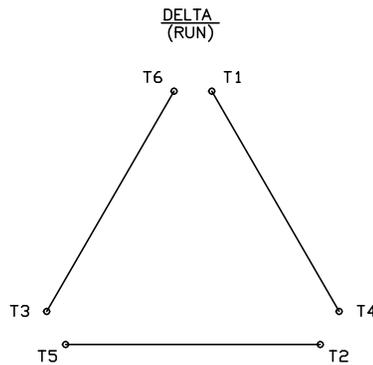
604989-483

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: -	© □	

**BALDOR**

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

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