

**BALDOR • RELIANCE**

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# Customer information packet

## M44156TX-4E

150HP, 1185RPM, 3PH, 60HZ, 445T, A44072M, TEFC

Class - None

Division - Not Applicable

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## Specifications

Enclosure	TEFC
Frame	445T
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	176.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	176.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44072M

## Part detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2086
Layout	604990-060
Eff. date	11-18-2016
CD Diagram	416820-008
Poles	06
Leads	6#2
Proprietary	False
Created date	03-17-2011

<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	44.63 IN
<b>Power Factor</b>	84
<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 Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1185 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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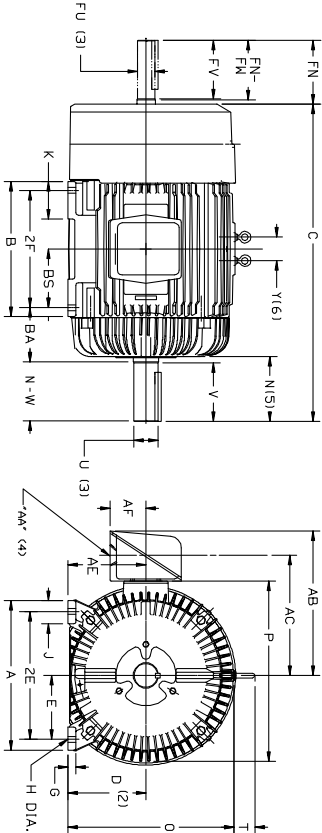
**NP2391L**

<b>SPEC NO.</b>	P44G4416X	<b>CAT.NO.</b>	M44156TX-4E	<b>FRAME</b>	445T
<b>HP</b>	150	<b>VOLTS</b>	460	<b>PHASE</b>	3
				<b>DESIGN</b>	B
				<b>TYPE</b>	P
<b>RPM</b>	1185	<b>AMPS</b>	176	<b>HZ</b>	60
				<b>AMB</b>	40
				<b>SF</b>	1.15
<b>DRIVE END BEARING</b>	90BC03J30X	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F
<b>OPP D.E. BEARING</b>	90BC03J30X	<b>ENCL</b>	TEFC	<b>CODE</b>	G
<b>SER.NO.</b>		<b>NEMA-NOM-EFFICIENCY</b>	95		
	NOT FOR USE IN THE UNITED STAT			ES	
				<b>MOTOR WEIGHT</b>	1705





**DUTY MASTER ALTERNATING CURRENT MOTORS**  
 ENCLOSURE: TOTALLY ENCLOSED SQUIREL-CAGE INDUCTION  
 MOUNTING: FOOT  
 COOLING: FAN COOLED  
 FRAMES 445T THRU 449TS ABOVE NEMA RATINGS



DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

FRAME	A	D(2)	E	G	H	I	J	K	P	BA	K	T	Y (6)
445T	21.00	11.00	9.00	11.2	.81	3.25	23.62	25.25	7.50	5.25	3.25	---	---
445TS	21.00	11.00	9.00	11.2	.81	3.25	23.62	25.25	7.50	5.25	3.25	---	
447T	21.00	11.00	9.00	11.2	.81	3.25	24.25	25.25	7.50	3.25	4.25	5.00	
447TS	21.00	11.00	9.00	11.2	.81	3.25	24.25	25.25	7.50	3.25	4.25	5.00	
449T	21.00	11.00	9.00	11.2	.81	3.25	24.25	25.25	7.50	3.25	4.25	5.00	
449TS	21.00	11.00	9.00	11.2	.81	3.25	24.25	25.25	7.50	3.25	4.25	5.00	

FRAME	C	BS	B	2F	N (5)	N-V (U3)	V	LGTH.	KEY	FN	FN-FW (U3)	FV	LGTH.	KEY	WT. (7)
445T	44.63	8.25	19.00	16.50	8.50	3.375	8.25	6.91	8.75	5.87	2.375	5.63	4.28	6.25	1860
445TS	40.87	8.25	19.00	16.50	4.75	2.375	4.50	3.03	6.25	4.75	2.375	5.63	3.03	6.25	2275
447T	48.13	10.00	22.50	20.00	8.50	3.375	8.25	6.91	8.75	5.87	2.375	5.63	4.28	6.25	2275
447TS	44.37	10.00	22.50	20.00	4.75	2.375	4.50	3.03	6.25	4.75	2.375	5.63	3.03	6.25	2650
449T	53.13	12.50	27.50	25.00	8.50	3.375	8.25	6.91	8.75	5.87	2.375	5.63	4.28	6.25	2650
449TS	49.37	12.50	27.50	25.00	4.75	2.375	4.50	3.03	6.25	4.75	2.375	5.63	3.03	6.25	2650

FRAME (4)	STANDARD CONDUIT BOX						ALTERNATE CONDUIT BOX WHEN REQUESTED									
	AE	AB	AC	AF	AB	AC	AE	AB	AC	AF	AB	AC	AF			
445T	4"	11.00	23.37	18.12	6.50	23.44	18.19	7.00	5"	11.00	23.37	18.12	6.50	23.44	18.19	7.00
445TS	4"	11.00	23.37	18.12	6.50	23.44	18.19	7.00	5"	11.00	23.37	18.12	6.50	23.44	18.19	7.00
447T	4"	11.00	23.37	18.12	6.50	23.44	18.19	7.00	5"	11.00	23.37	18.12	6.50	23.44	18.19	7.00
447TS	4"	11.00	23.37	18.12	6.50	23.44	18.19	7.00	5"	11.00	23.37	18.12	6.50	23.44	18.19	7.00
449T	4"	11.00	23.37	18.12	6.50	23.44	18.19	7.00	5"	11.00	23.37	18.12	6.50	23.44	18.19	7.00
449TS	4"	11.00	23.37	18.12	6.50	23.44	18.19	7.00	5"	11.00	23.37	18.12	6.50	23.44	18.19	7.00

- (1) SPECIAL DIMENSIONS ON THIS LINE.
- (2) \*P VARIES +.00-.06
- (3) \*U AND \*V VARY +.00-.01
- (4) ON STANDARD MOTORS \*AA\* IS CONDUIT SIZE
- (5) ON XT AND CORROSION PROOF MOTOR \*AA\* IS PIPE TAP
- (6) WHEN THE MOTOR IS 200HP AND ABOVE WITH A DRIVE END COOLING FAN AND GRILL, SUBTRACT .44 INCHES FROM THE DIMENSION AND ABOVE .44 INCHES FROM THE DRIVE END DIMENSION AND ABOVE .44 INCHES FROM THE DRIVE END DIMENSION
- (7) 445 FRAME HAS ONE EXTERNAL CENTERLINE OF FRAME MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-1, V-4, V-5, W-7, DR C-1 MOUNTING IS SPECIFIED. STANDARD DOUBLE SHAFT SUPPLIED ONLY WHEN SPECIFIED. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED CONSULT FACTORY. MAXIMUM PERMISSIBLE SHAFT ROUNDOFF WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003 I.D.R. TO .5 INCH DIA.

FRAME \_\_\_\_\_ TYPE \_\_\_\_\_ CERTIFIED FOR \_\_\_\_\_  
 ORDER \_\_\_\_\_ ITEM \_\_\_\_\_ HP \_\_\_\_\_ RPM \_\_\_\_\_ PH \_\_\_\_\_ HZ \_\_\_\_\_ VOLTS \_\_\_\_\_  
 SALES ORDER \_\_\_\_\_ APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

090-066409

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: LOADED TO BUS	VERSION: 01	TDR: 00000550776
REV. LTR: A	REVISED: 08:22:22 07/23/2010	BY: RAGMTC
FILE: \RAG\00010\374		
MTL: -		

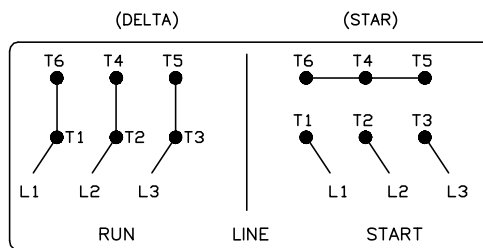
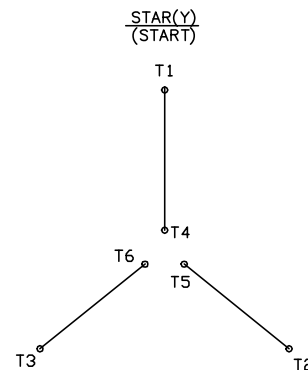
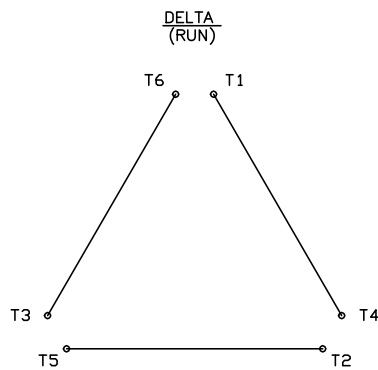
**BALDOR**  
 DIM SHT-FT TEFC 445T/449TS ABOVE NEMA RATINGS  
 SH 1 of 1

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: -	© □	



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

416820-008