

**BALDOR • RELIANCE**

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# Customer information packet

## EM4338T

30HP, 890RPM, 3PH, 60HZ, 364T, TEFC, F1

Class - None

Division - Not Applicable

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6/9/2025 4:34:09 AM

## Specifications

Enclosure	TEFC
Frame	364T
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	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 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	39.300 A @ 460.0 V 78.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	39.3 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 6 AWG

## Part detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0431
Layout	617431-412
Eff. date	09-04-2024
CD Diagram	416820-002
Poles	08
Leads	3#6,6#8
Proprietary	False
Created date	01-13-2015

<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	A36050M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	8
<b>Overall Length</b>	33.44 IN
<b>Power Factor</b>	77
<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>	Shaft Slinger
<b>Speed</b>	890 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<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>	A36-6049-0999	<b>CAT.NO.</b>	EM4338T	<b>FRAME</b>	364T
<b>HP</b>	30	<b>VOLTS</b>	230/460	<b>PHASE</b>	3
				<b>DESIGN</b>	B
				<b>TYPE</b>	P
<b>RPM</b>	890	<b>AMPS</b>	78.6/39.3	<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>	TEFC	<b>CODE</b>	G
<b>SER.NO.</b>		<b>POWER FACTOR</b>	77	<b>NEMA-NOM-EFFICIENCY</b>	92.4
				<b>MAX CORR KVAR</b>	10
				<b>GUARANTEED EFFICIENCY</b>	91
				<b>NEMA NOM/CSA QUOTED EFF</b>	
				<b>MOTOR WEIGHT</b>	





617431-412

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1 SIDE

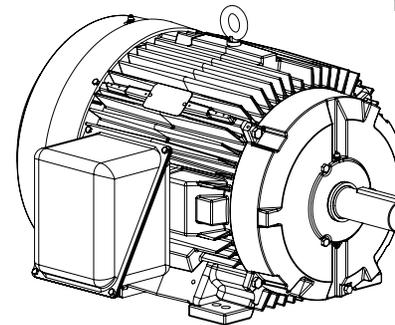
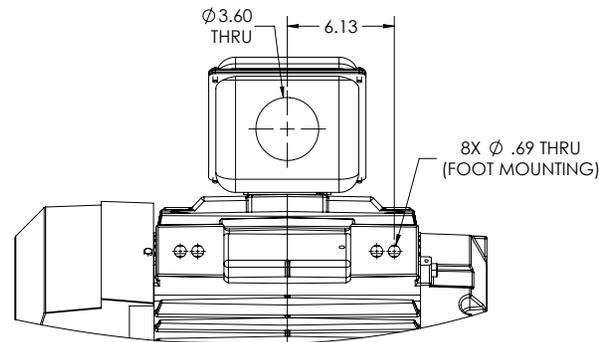
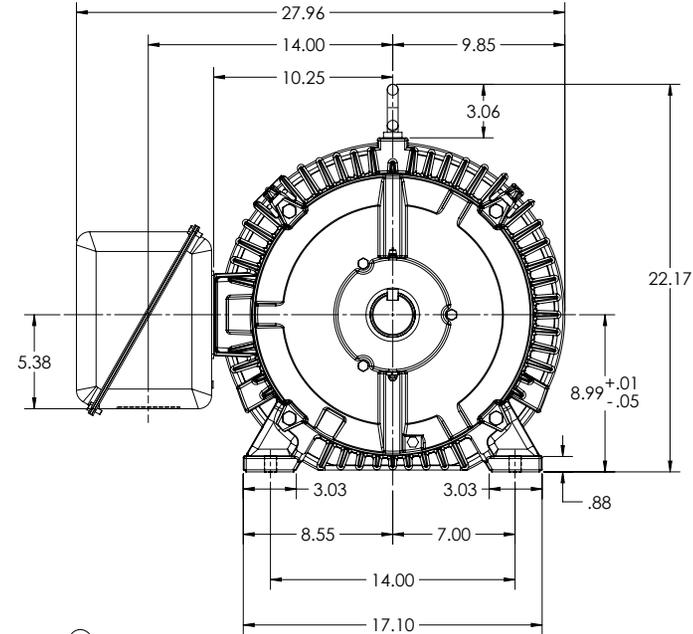
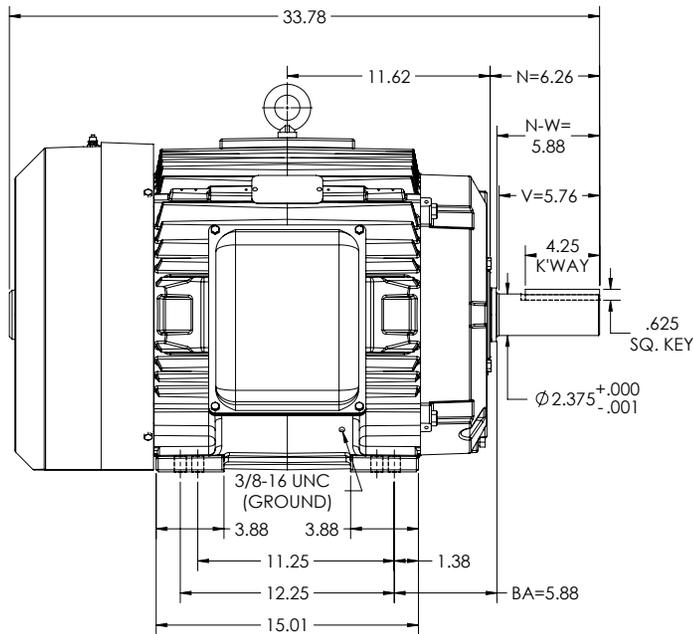
**DUTY MASTER ALTERNATING CURRENT MOTORS**

SQUIRREL-CAGE INDUCTION

E365T/E364T FRAME MOUNTING

COOLING: FAN COOLED

STEEL CONDUIT BOX



DIMENSIONS ARE IN INCHES.  
WEIGHT (LBS.) 800. MOTOR WEIGHT MAY VARY 15% DEPENDING ON RATING.  
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER  
1 OF 2

Z1F-137219

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

REV. DESC: UPDATE DS QUALITY			
REV: F	VERSION: 06	REVISED: 01-00-49 01-02-2024	TDR: 000001222947
MODEL NO. 617431-412			
BY: USJEDIL			

**BALDOR**

E365364T TEFC FOOT F1 STEEL CONDUIT BOX

617431-412

617431-412

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1 SIDE

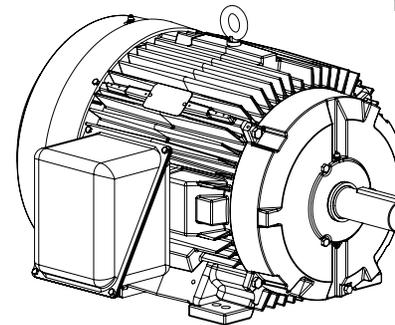
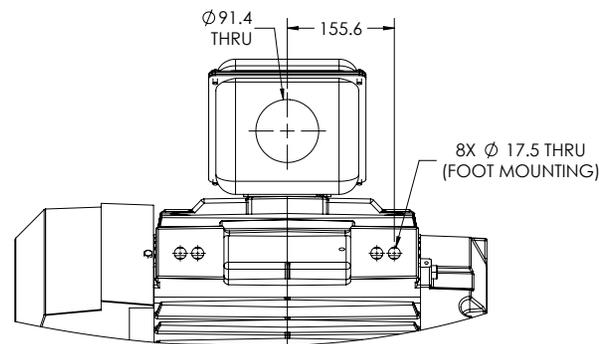
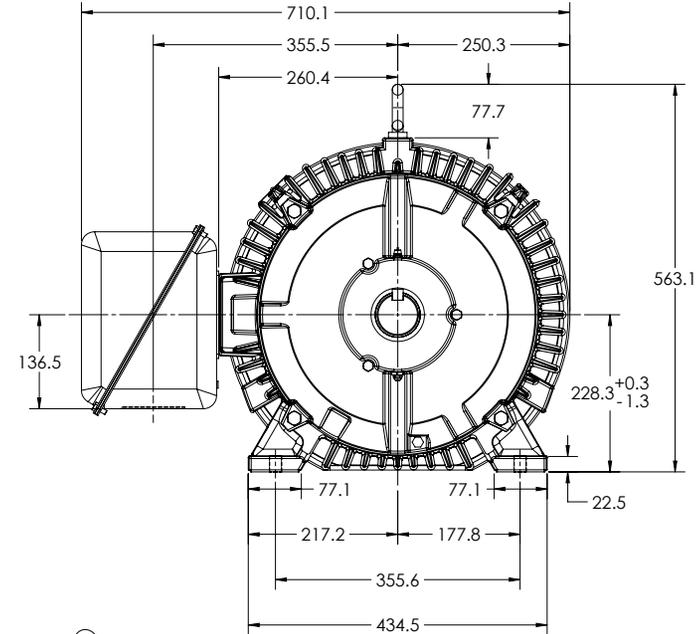
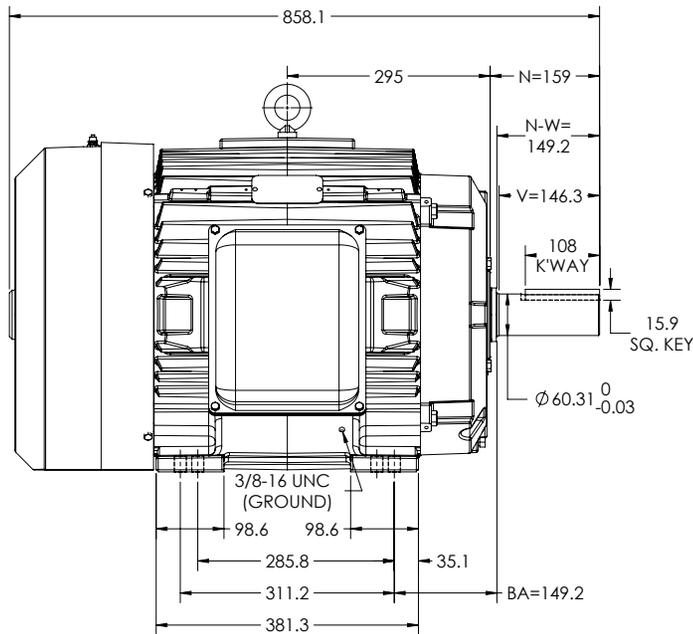
**DUTY MASTER ALTERNATING CURRENT MOTORS**

SQUIRREL-CAGE INDUCTION

E365T/E364T FRAME MOUNTING

COOLING: FAN COOLED

STEEL CONDUIT BOX



DIMENSIONS ARE IN MILLIMETERS.  
WEIGHT (KG) 362. MOTOR WEIGHT MAY VARY 15% DEPENDING ON RATING.  
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER  
**2 OF 2**

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.

REV. DESC. UPDATE DS QUALITY			
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MODEL NO. 617431-412			
BY: USJEDIL			

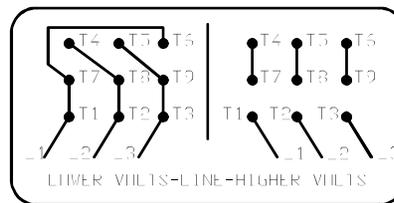
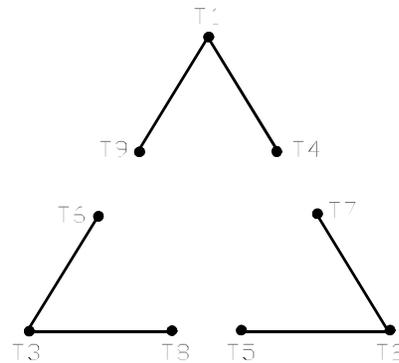
**BALDOR**

E365/E364T TEFC FOOT F1 STEEL CONDUIT BOX

617431-412

416820-002

A-C MOTOR  
 CONNECTION DIAGRAM  
 STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: -	© □	

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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1