

BALDOR • RELIANCE

Customer information packet

ECR9758TR-4

75HP, 900RPM, 3PH, 60HZ, 444T, TEFC, F1

Class - None

Division - Not Applicable

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7/18/2023 4:29:59 AM

Specifications

Enclosure	TEFC
Frame	444T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA EEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	6-60
Current @ Voltage	98.800 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	98.8 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	No Lifting Lugs
Max Speed	3000 rpm
Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	NEMA

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5227
Layout	617427-315
Eff. date	10-29-2020
CD Diagram	416820-036
Poles	08
Leads	3#1
Proprietary	False
Created date	05-07-2015

Motor Type	A44076M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	44.87 IN
Power Factor	76
Product Family	Crusher / Chipper
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.25
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

000613007PV

CAT NO	ECR9758TR-4	SPEC NO.	P44G1824						
HP	75	AMPS	98.8	VOLTS	460	DESIGN	A		
RPM	890	RPM MAX	3000	HZ	60	AMB	40	SF	1.25
D.E. BRG.DATA	NU222	O.D.E. BRG.DATA	6318	PH	3	DUTY	CONT	INSUL.CLASS	F
FRAME	444T	I.P.	55	TYPE	P	ENCL	TEFC	CODE	H
POWER FACTOR	76	3/4 LOAD EFF.	93.8	NEMA NOM EFFICIENCY	93.6				
CHP HZ	60-90	CT HZ	6-60	VT HZ	6-60				
SER.NO.			MOTOR WEIGHT	2027					
		1.25SF AMPS= 102							

NP2496L

MOBIL SHC -220 GREASE

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

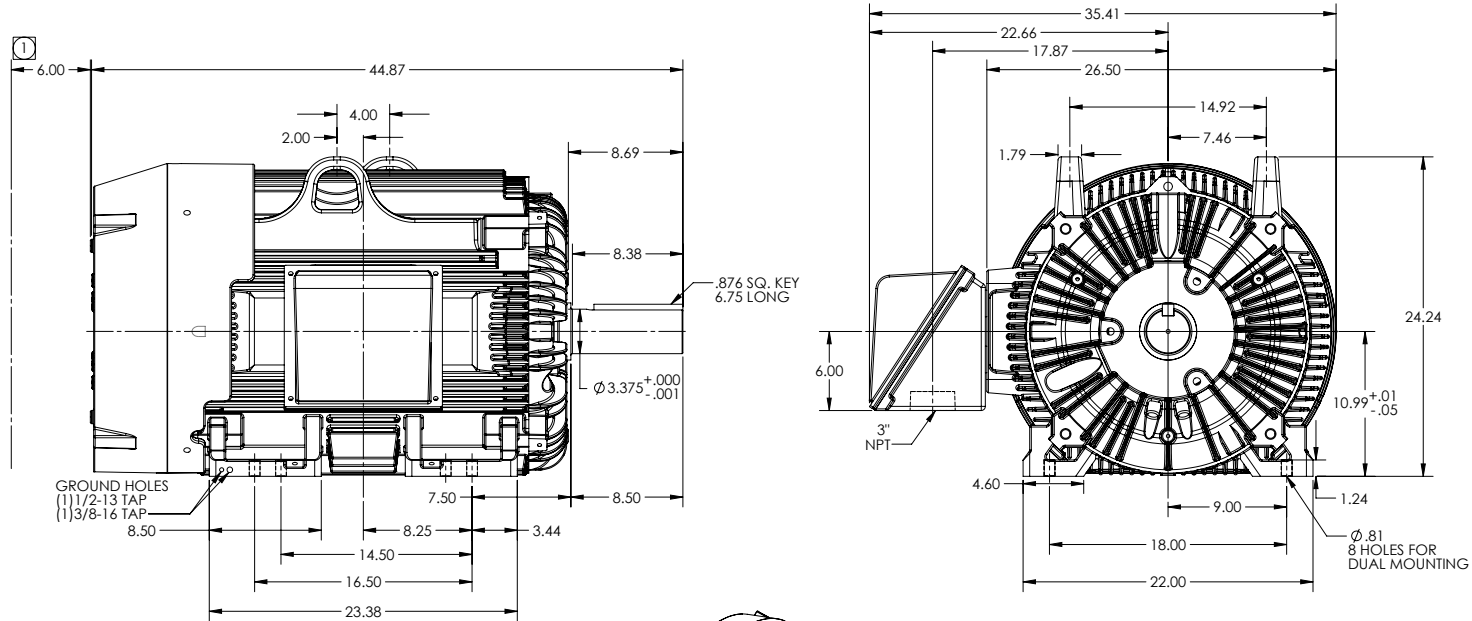
617427-315

ENCLOSURE: TOTALLY ENCLOSED

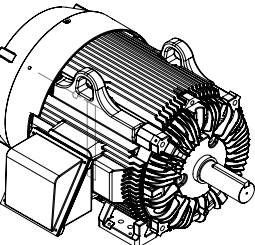
MOUNTING: FOOT

FRAMES G445T/444T

COOLING: FAN COOLED



GROUND HOLES
(1) 1/2-13 TAP
(1) 3/8-16 TAP



① OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET.
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.
CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

DIMENSIONS ARE IN INCHES FOR MILLIMETERS SEE SHEET (2)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
1 OF 2
617427-315

REV. DESC: NEW	VERSION: 00	REVISED: 09/06/36 12/05/2014	TDR: 00000881952
MODEL NO. 617427-315			
BY: RAGAJH			

BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C.1 C/B ROLLER BRG

617427-315

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

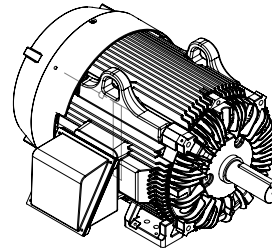
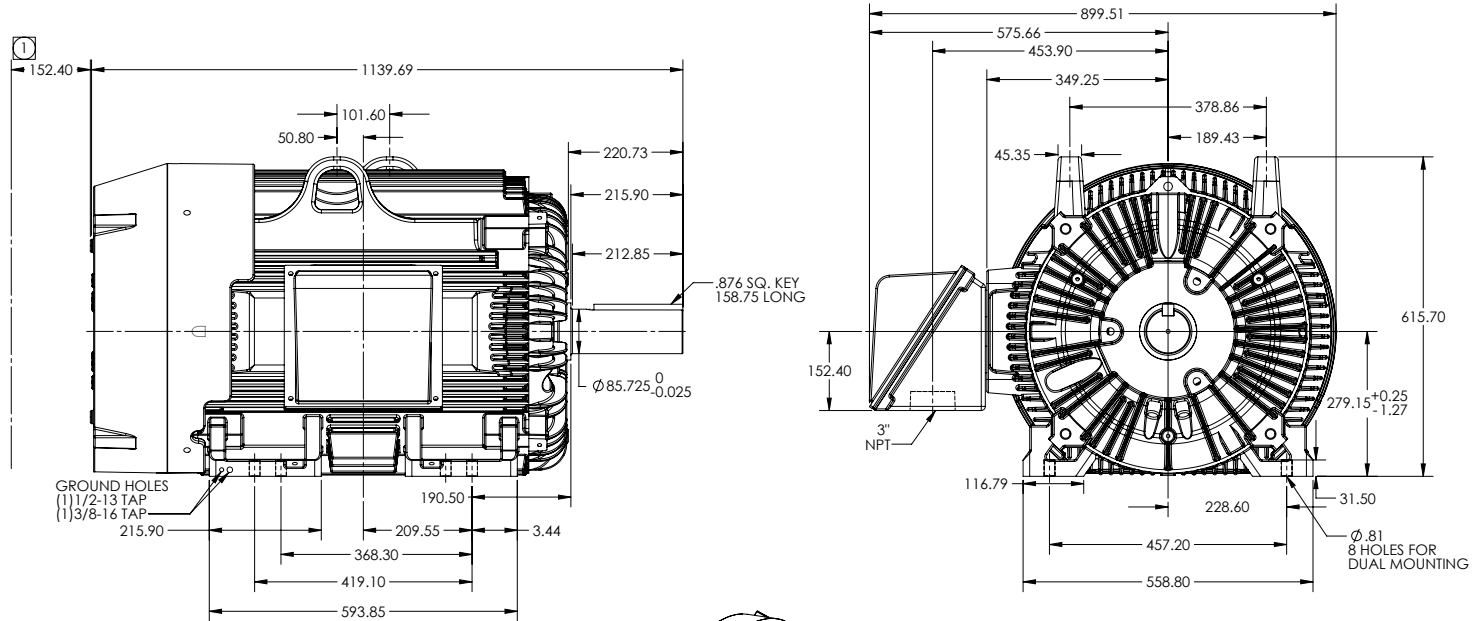
617427-315

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT

FRAMES G445T/444T

COOLING: FAN COOLED



① OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.
CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

DIMENSIONS ARE IN MILLIMETERS FOR INCHES SEE SHEET 1
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
2 OF 2
17427-315

REV. DESC: NEW	VERSION: 00	REVISED: 09/06/36 12/05/2014	TDR: 00000881952
MODEL NO. 617427-315			
BY: RAGAJH			

BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C.1 CB ROLLER BRG

617427-315

416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1