

BALDOR • RELIANCE

Customer information packet

EM4458T

50HP, 890RPM, 3PH, 60HZ, 404T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	404T
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	50.000 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	126.000 A @ 230.0 V 63.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	63.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0784
Layout	617429-001
Eff. date	03-08-2023
CD Diagram	416820-002
Poles	08
Leads	3#4,6#6
Proprietary	False
Created date	11-23-2015

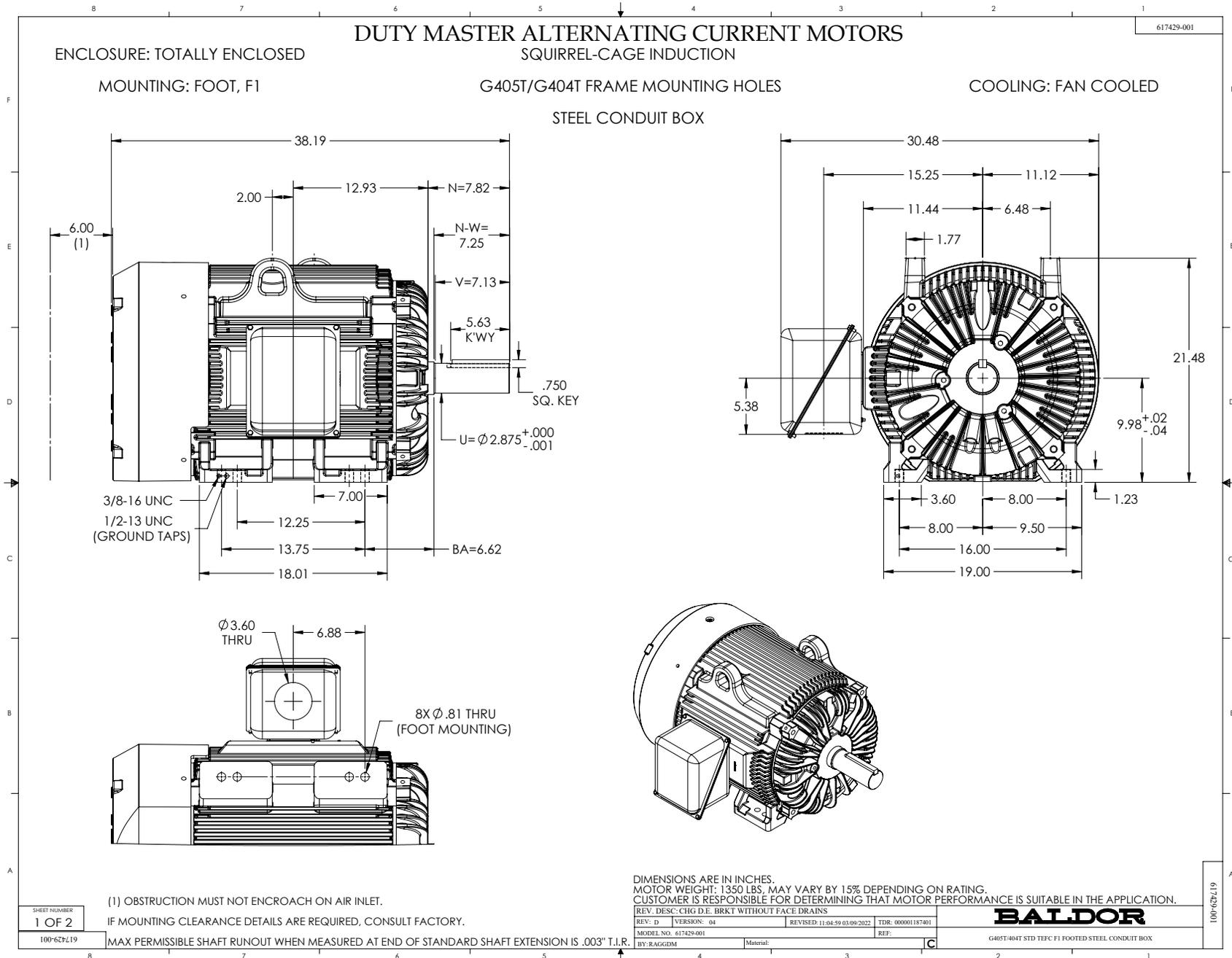
Motor Type	A40060M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	38.20 IN
Power Factor	80
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A40-6923-0784	CAT.NO.	EM4458T	FRAME	404T
HP	50	VOLTS	230/460	PHASE	3
				DESIGN	B
				TYPE	P
RPM	890	AMPS	126/63	HZ	60
				AMB	40
				SF	1.15
DRIVE END BEARING	80BC03J30X	DUTY	CONT	INSUL.CLASS	F
OPP D.E. BEARING	80BC03J30X	ENCL	TEFC	CODE	F
SER.NO.		POWER FACTOR	80	NEMA-NOM-EFFICIENCY	93
				MAX CORR KVAR	20
				GUARANTEED EFFICIENCY	91.7
				NEMA NOM/CSA QUOTED EFF	
				MOTOR WEIGHT	



617429-001

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

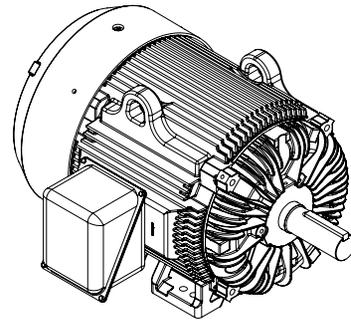
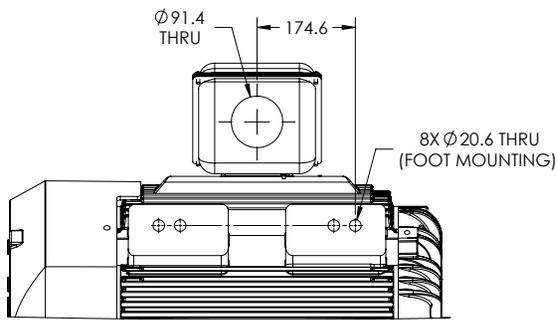
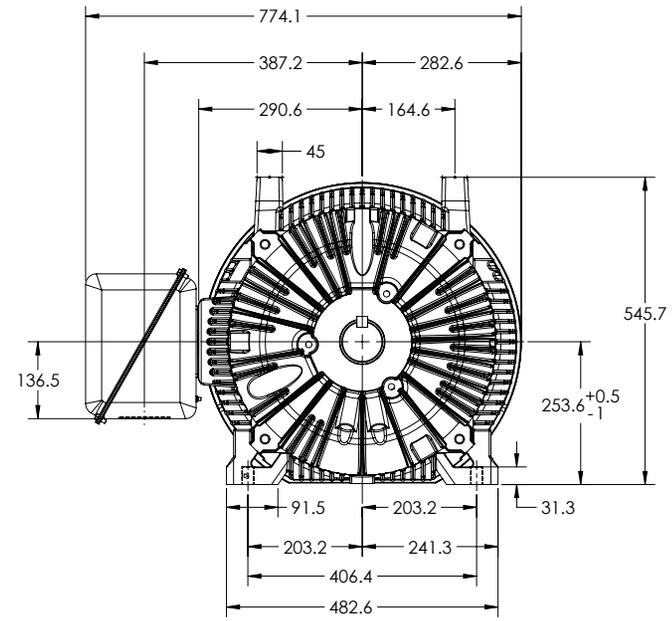
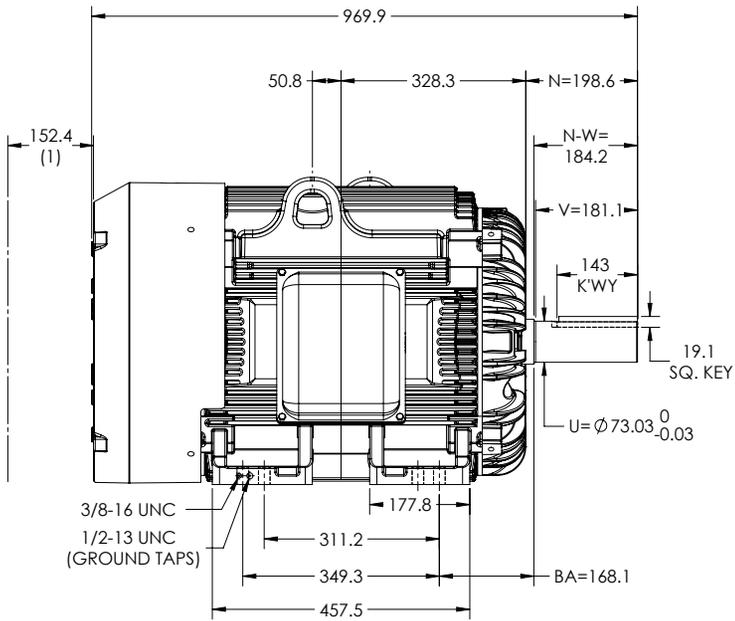
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F1

G405T/G404T FRAME MOUNTING HOLES

COOLING: FAN COOLED

STEEL CONDUIT BOX



(1) OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

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.

DIMENSIONS ARE IN MILLIMETERS.
MOTOR WEIGHT: 612, MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: CHG D.E. BRKT WITHOUT FACE DRAINS			
REV: D	VERSION: 04	REVISED: 11-04-59 03:09:2022	TDR: 000001187401
MODEL NO. 617429-001		REF:	
BY: RAGGDM	Material:	G405T-404T STD TEFC F1 FOOTED STEEL CONDUIT BOX	

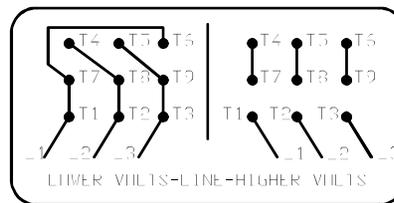
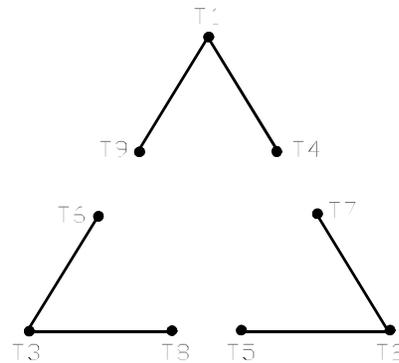
SHEET NUMBER
2 OF 2

100-627219

617429-001

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

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