

BALDOR • RELIANCE

Customer information packet

EM4402T-4

100HP, 3565RPM, 3PH, 60HZ, 405TS, A40060M, TEF

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405TS
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	100.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
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	110.000 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	110.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 4 AWG
Motor Standards	NEMA
Motor Type	A40060M

Part detail

Revision	Q
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG1270
Layout	617429-002
Eff. date	10-29-2021
CD Diagram	416820-008
Poles	02
Leads	6#4
Proprietary	False
Created date	07-17-2013

Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.04 IN
Power Factor	90
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3565 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2383L

CAT.NO.	EM4402T-4	SPEC NO.	P40G3929
HP	100	AMPS	110
FRAME	405TS	RPM	3565
DRIVE END BEARING	65BC03J30X	HZ	60
OPP D.E. BEARING	65BC03J30X	AMB	40
SER.NO.		SF	1.15
		PHASE	3
		DUTY	CONT
		INSUL.CLASS	F
		TYPE	P
		ENCL	TEFC
		CODE	F
		POWER FACTOR	90
		NEMA-NOM-EFFICIENCY	95
NEMA NOM/CSA QUOTED EFF		MAX CORR KVAR	10
		GUARANTEED EFFICIENCY	94.1
		MOTOR WEIGHT	1187

Parts list

Part number	Description	Quantity
SA267718	SA P40G3929	1.000 ea
RA254388	RA P40G3929	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 ea
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
421948044	LABEL, MYLAR	1.000 ea
412118006A	DRAIN	2.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 ea
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 ea
034000014AB	WSH ID.406 OD.812 TH.065	4.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
034530060AB	P/NIP 1/8X7-1/2 GALV.	1.000 ea
034530060BB	1/4 X 7 1/2 PP NIPPLE	1.000 ea
083198127A	G400 MOLDED FAN COVER	1.000 ea
034692005AA	P PLUG 3/4"BLK.	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
089413501A	G400 FIN/MACH FT MTD BRKT 089413500WCA	1.000 ea
410700004F	WSHR	1.000 ea
415072001B	CLAMP	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
702675001D	FAN 250-440	1.000 ea
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 ea
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
089413501A	G400 FIN/MACH FT MTD BRKT 089413500WCA	1.000 ea
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea

035000001A	ALFTG 1/8" 1610-BL	1.000 ea
043292000AJ	GASK 320-400	1.000 ea
077176000L	C/BOX, PAINTED 440	1.000 ea
077176001A	CBOXC, PAINTED 360-400	1.000 ea
402731001A	GASK 360-440	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	0.375 ga
418150003A	GREASE FITTING CAP	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180022GA	KEY 1/2X1/2X2-3/4 L	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
604797045	STD. 400 FRAME SKID	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea

Accessories

Part number	Description	Multiplier
089413502A	G400 STD C-FACE BRKT 6313 089416511WCA	P1
089412075B	D-FLANGE BRKT 400 089416085WCA	

617429-002

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

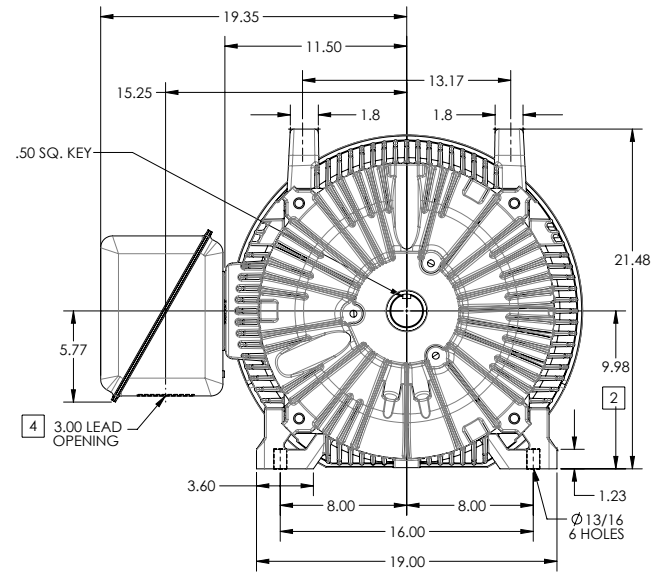
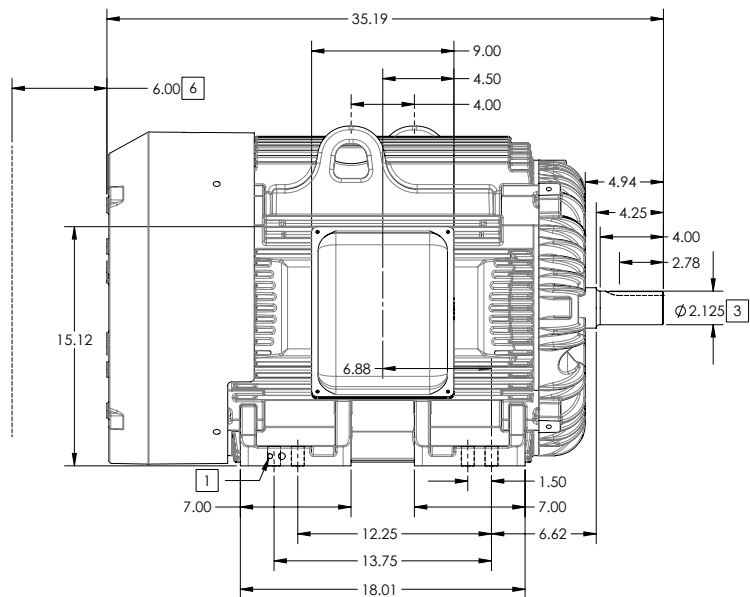
FRAME G405TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TS FRAME MOUNTING HOLES

STANDARD INDUSTRIAL ENCLOSURE



- 1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- 2. VARIES +.00,-.06
- 3. VARIES +.00,-.001
- 4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
- 5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
- 6. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

[5] WEIGHT (LBS): 1160

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. TO 5 INCH DIA.

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

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

SHEET NUMBER
1 OF 2

200-627-119

REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 00000848770
REV: B VERSION: 02	REVISED: 04/37-41 04/14/2014
MODEL NO. 617429-002	REF:
BY: MGHM22	Material:

BALDOR

G405TS-404TS STD - FOOTED - STANDARD ENCLOSURE

617429-002

617429-002

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

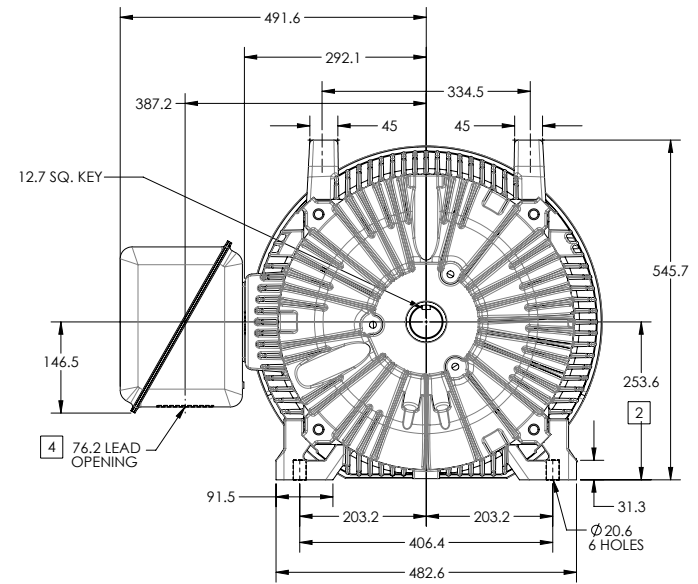
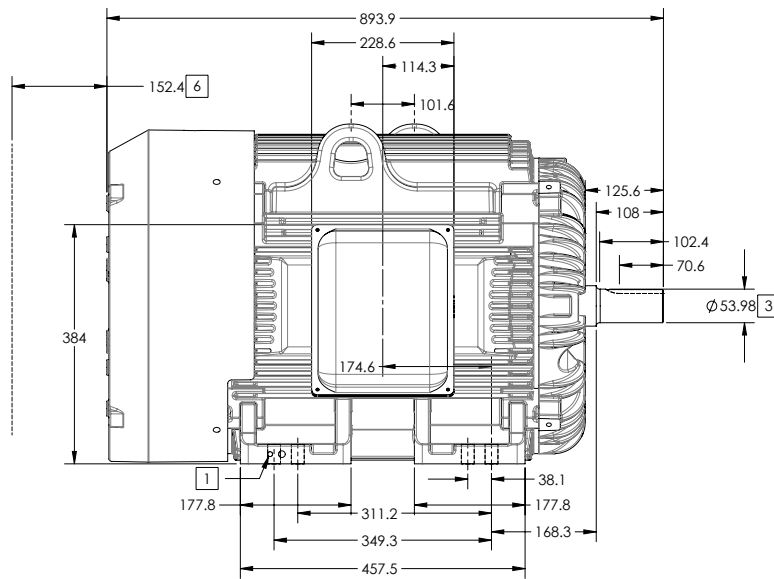
FRAME G405TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TS FRAME MOUNTING HOLES

STANDARD INDUSTRIAL ENCLOSURE



- 1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- 2. VARIES +0,-1.5
- 3. VARIES +00,-.03
- 4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
- 5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
- 6. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

[5] WEIGHT (KGS): 530

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 .08 MM T.I.R. TO 127 MM DIA.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

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

SHEET NUMBER
2 OF 2

Z00-627219

REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 00000848770
REV: B VERSION: 02 REVISED: 04/31/41 04/14/2014	REF:
MODEL NO. 617429-002	BY: MGHMZZ
Material:	

BALDOR

G405TS-404TS STD - FOOTED - STANDARD ENCLOSURE

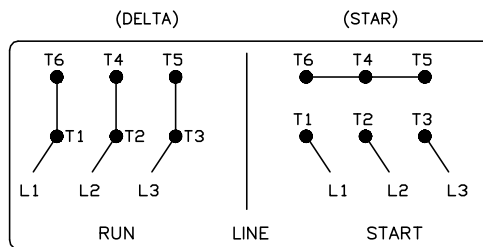
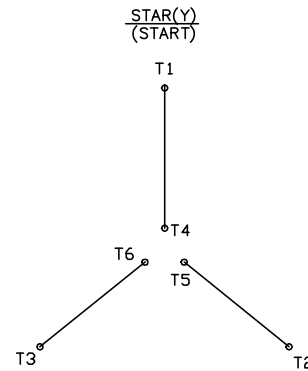
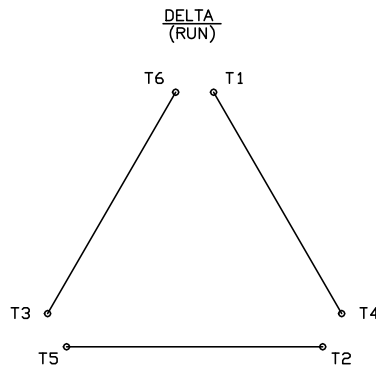
617429-002

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: -	© □	

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CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

416820-008