



Customer information packet

EFM4403T

60HP, 1185RPM, 3PH, 60HZ, 404T, TEFC, FOOT, F2

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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	138.000 A @ 230.0 V 152.000 A @ 208.0 V 69.000 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	69.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	M
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0108
Layout	617429-629
Eff. date	09-04-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	06-07-2014

Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A40064M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	38.04 IN
Power Factor	86
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	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

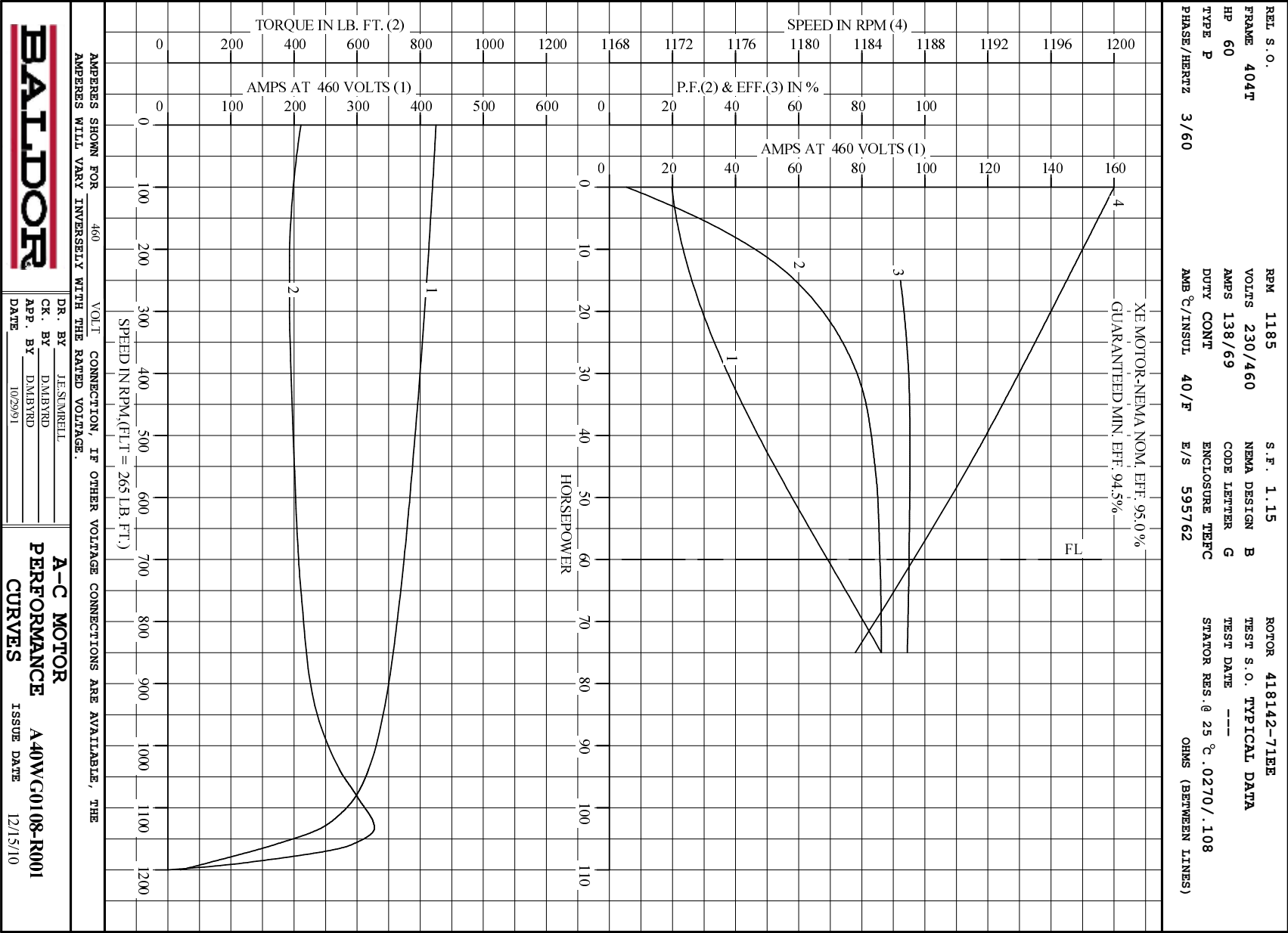
Nameplate

NP2349L

SPEC NO.	A40-6088-0108			CAT.NO.	EFM4403T				FRAME	404T	
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1185	AMPS	138/69		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	80BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	80BC03J30X		ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR	86	NEMA-NOM-EFFICIENCY				95	
						MAX CORR KVAR	12.5	GUARANTEED EFFICIENCY			94.1
						NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT					

NP2496L	
MOBIL POLYREX EM	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	404T	60	P	3/60	1185	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
138/69	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
595762	418142-71EE	---	---	.0270/.108		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	19.9	1200	5.36	0	
1/4	15.0	25.9	1197	58.9	92.3	
2/4	30.0	37.7	1194	78.5	94.9	
3/4	45.0	52.5	1191	84.2	95.2	
4/4	60.0	69.0	1187	85.8	95.0	
5/4	75.0	86.3	1184	86.2	94.4	
SPEED TORQUE						
	RPM	% TORQUE FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	159	422	425		
PULL UP	240	145	385	411		
BREAKDOWN	1133	247	655	243		
FULL LOAD	1187	100	265	69.0		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 95.0 % GUARANTEED MIN. EFF. 94.5%						
			DR. BY J.E. SUMRELL CK. BY D.M. BYRD APP. BY D.M. BYRD DATE 10/29/91		A-C MOTOR PERFORMANCE DATA A40WG0108-R001 ISSUE DATE 12/15/10	



REL. S.O.
FRAME 404T
HP 60
TYPE P
PHASE/HERTZ 3/60

RPM 1185
VOLTS 230/460
AMPS 138/69
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER G
ENCLOSURE TEFC
E/S 595762

ROTOR 418142-71EE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES. @ 25 °C .0270/.108
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1.00
9
8
7
6
5
4
3
2
1.0
9
8
7
6
5
4
3
2
1

0100200300400500600700

TIME IN SEC.

% FULL LOAD CURRENT

OVERLOAD

ACCELERATION

LOCKED-ROTOR

LOCKED-ROTOR, 40.C

MOTOR INITIAL TEMPERATURE:
92 C FOR OVERLOAD AND ACC.
92 C FOR LOCKED-ROTOR

REMARKS:
THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 95.0 %
GUARANTEED MIN. EFF. 94.5 %

AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY JESIMBEL
CK. BY D.M.BYRD
APP. BY D.M.BYRD
DATE 10/29/91

A-C MOTOR
PERFORMANCE CURVES

A40WC0108-R001
ISSUE DATE 12/15/10

Printed on 12/15/10 13:44 @ psecs-motorc

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DUTY MASTER ALTERNATING CURRENT MOTORS

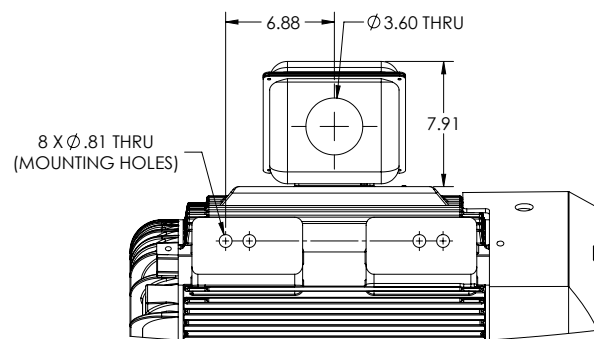
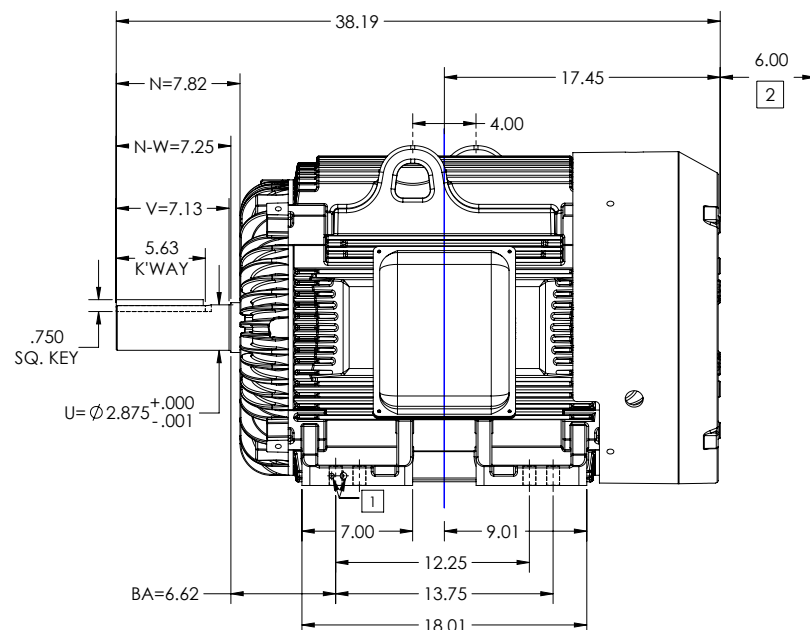
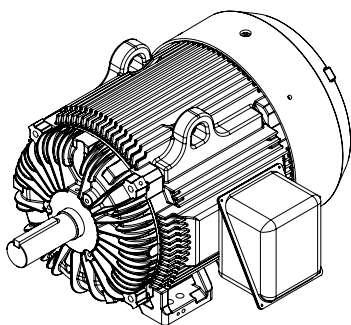
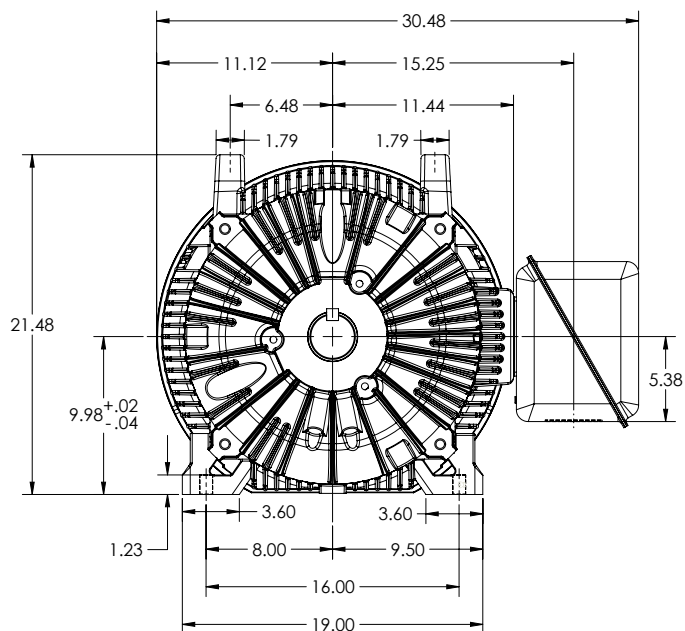
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-2

G405T/G404T FRAME MOUNTING HOLES

COOLING: FAN COOLED



SHEET NUMBER
1 OF 1

1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. 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 .003" T.I.R.

DIMENSIONS ARE IN INCHES
WEIGHT (LBS): 1350. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: UPDATED DS

REV: A	VERSION: 01
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REV. A	VERSION:
MODEL NO. 617429-629	

MODEL NO.
BY:USJEDIL

REVISÉ: 10-32-51 10/25/2016

REVISED: 10/32/2018 10/25/2018

TDR: 000001000817

REF:

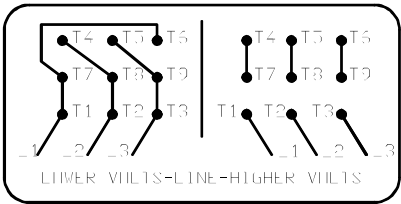
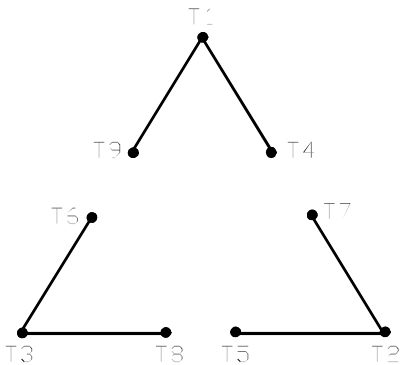
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BALDOR

G405T/404T TEFC F2 FOOTED STD ENCLOSURE W/ STEEL BOX

416820-002

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



(N.P. 1575-B)

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: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002