



Customer information packet

CEWDM4468T

60HP, 890RPM, 3PH, 60HZ, 405TC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405TC
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	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	157.000 A @ 230.0 V 78.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	78.4 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	F

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0790
Layout	617429-503
Eff. date	11-01-2021
CD Diagram	416820-002
Poles	08
Leads	3#4,6#6
Proprietary	False
Created date	08-29-2019

Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A40060M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	38.20 IN
Power Factor	77
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.875 IN
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

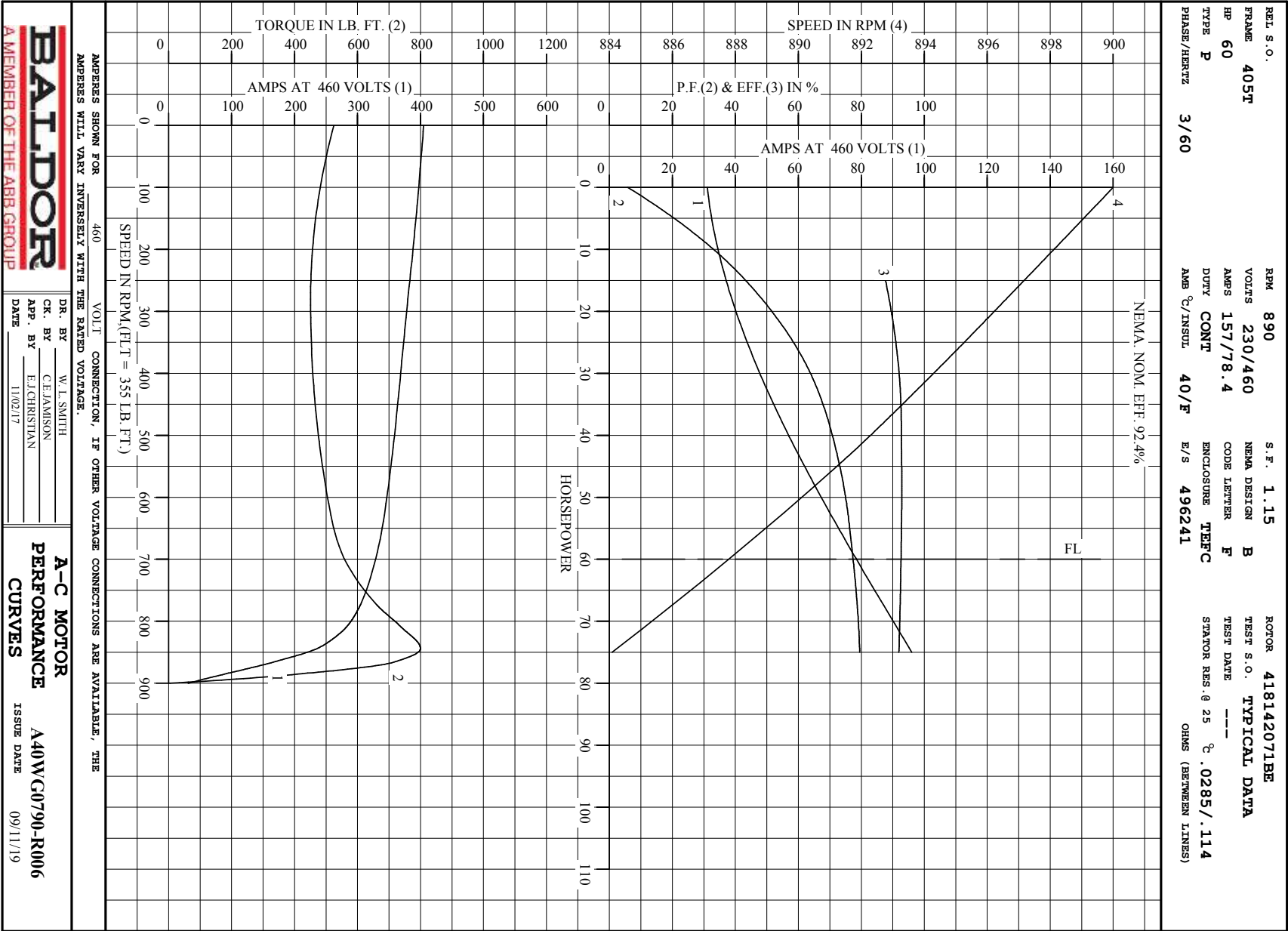
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A40-6569-0790			CAT.NO.	CEWDM4468T					FRAME	405TC	
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	890	AMPS	157/78.4		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	80BC03JPP30A		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	80BC03JPP30A		ENCL	TEFC	CODE	F						
SER.NO.				POWER FACTOR		77		NEMA-NOM-EFFICIENCY			92.4	
						MAX CORR KVAR		18	GUARANTEED EFFICIENCY			91
	IP55					NEMA NOM/CSA QUOTED EFF						
	4:1CT AND 4:1VT ON VPWM INVERT					ER, 1.00SF			MOTOR WEIGHT			

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	405T	60	P	3/60	890	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
157/78.4	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR		TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	
496241	418142071BE		---	---	.0285/.114	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER % FACTOR	EFFICIENCY %	
NO LOAD	0	31.1	900	5.84	0	
1/4	15.0	37.0	897	43.3	87.7	
2/4	30.0	47.8	894	63.9	92.0	
3/4	45.0	62.0	891	73.2	92.8	
4/4	60.0	78.4	888	77.4	92.6	
5/4	75.0	96.0	884	79.5	91.9	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0		148	525	405	
PULL UP	280		127	451	380	
BREAKDOWN	844		225	800	235	
FULL LOAD	888		100	355	78.4	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA						
NEMA. NOM. EFF. 92.4%						
				A-C MOTOR PERFORMANCE DATA		
DR. BY W. L. SMITH CR. BY C. E. JAMISON APP. BY E. J. CHRISTIAN DATE 11/02/17				A40WG0790-R006 ISSUE DATE 09/11/19		
A MEMBER OF THE ABB GROUP						



REL. S.O. 405T
FRAME 405T
HP 60
TYPE P
PHASE/HERTZ 3/60

RPM 890
VOLTS 230/460
AMPS 157/78.4
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 496241

ROTOR 418142071BE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 0285/.114
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1

1.00
.9
.8
.7
.6
.5
.4
.3
.2
1

TIME IN SEC.

OVERLOAD
119C FOR OVERLOAD AND ACC
119 C FOR LOCKED-ROTOR

ACCELERATION

LOCKED-ROTOR, 40.C

LOCKED-ROTOR

0 100 200 300 400 500 600 700

% FULL LOAD CURRENT

1.0
.9
.8
.7
.6
.5
.4
.3
.2
1

0 100 200 300 400 500 600 700

THERMAL LIMIT CURVE
NEMA, NOM. EFF. 92.4%

REMARKS:

AMPERES SHOWN FOR 460
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

DR. BY W.L. SMITH
CK. BY C.ELAMISON
APP. BY E.J. CHRISTIAN
DATE 11/02/17

A-C MOTOR
PERFORMANCE
CURVES

A40WG0790-R006
ISSUE DATE 09/11/19

A MEMBER OF THE ABB GROUP

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

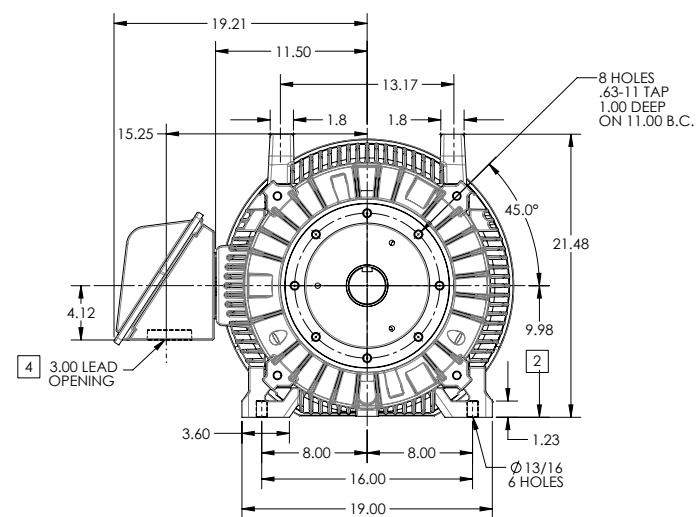
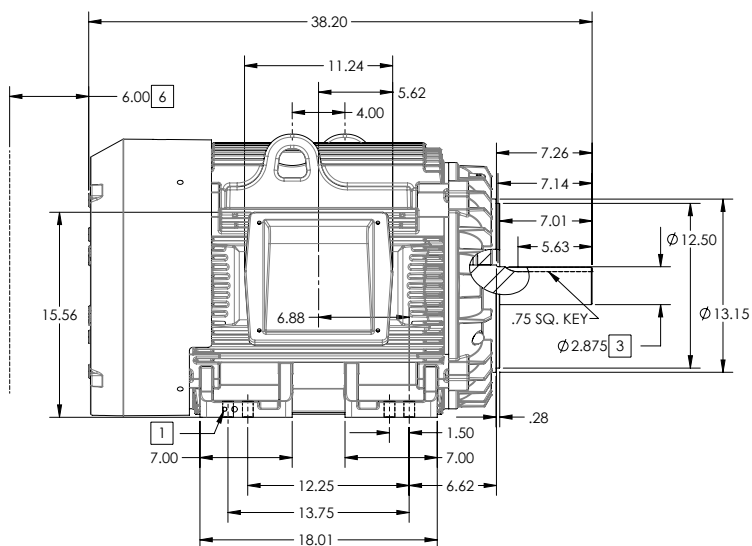
FRAME G405TC ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TC FRAME MOUNTING HOLES

XT/ECP SEVERE DUTY ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00-.06
3. VARIES +.000-.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 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET
7. MAX FACE RUNOUT AND FIT ECCENTRICITY = 0.007 T.I.R.

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.

[5] WEIGHT (LBS): 1370

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

505-6272119

REV. DESC: CHANGE BA FROM 6.76 TO 6.62

REV: B VERSION: 02

REVISED: 01-18-01 04/14/2014

TDR: 000000848770

MODEL NO. 617429-503

REF:

BY: MGHUMZ2

Material:

BALDOR

G405TC/404TC STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

617429-503

