



Customer information packet

EM4400T-G

100HP, 1785RPM, 3PH, 60HZ, 405T, A40064M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405T
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	100.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	112.000 A @ 460.0 V 224.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	112.0 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG

Part detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG1610
Layout	617429-001
Eff. date	09-19-2023
CD Diagram	416820-002
Poles	04
Leads	3#2,6#4
Proprietary	False
Created date	07-17-2013

Motor Standards	NEMA
Motor Type	A40064M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	38.04 IN
Power Factor	87
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

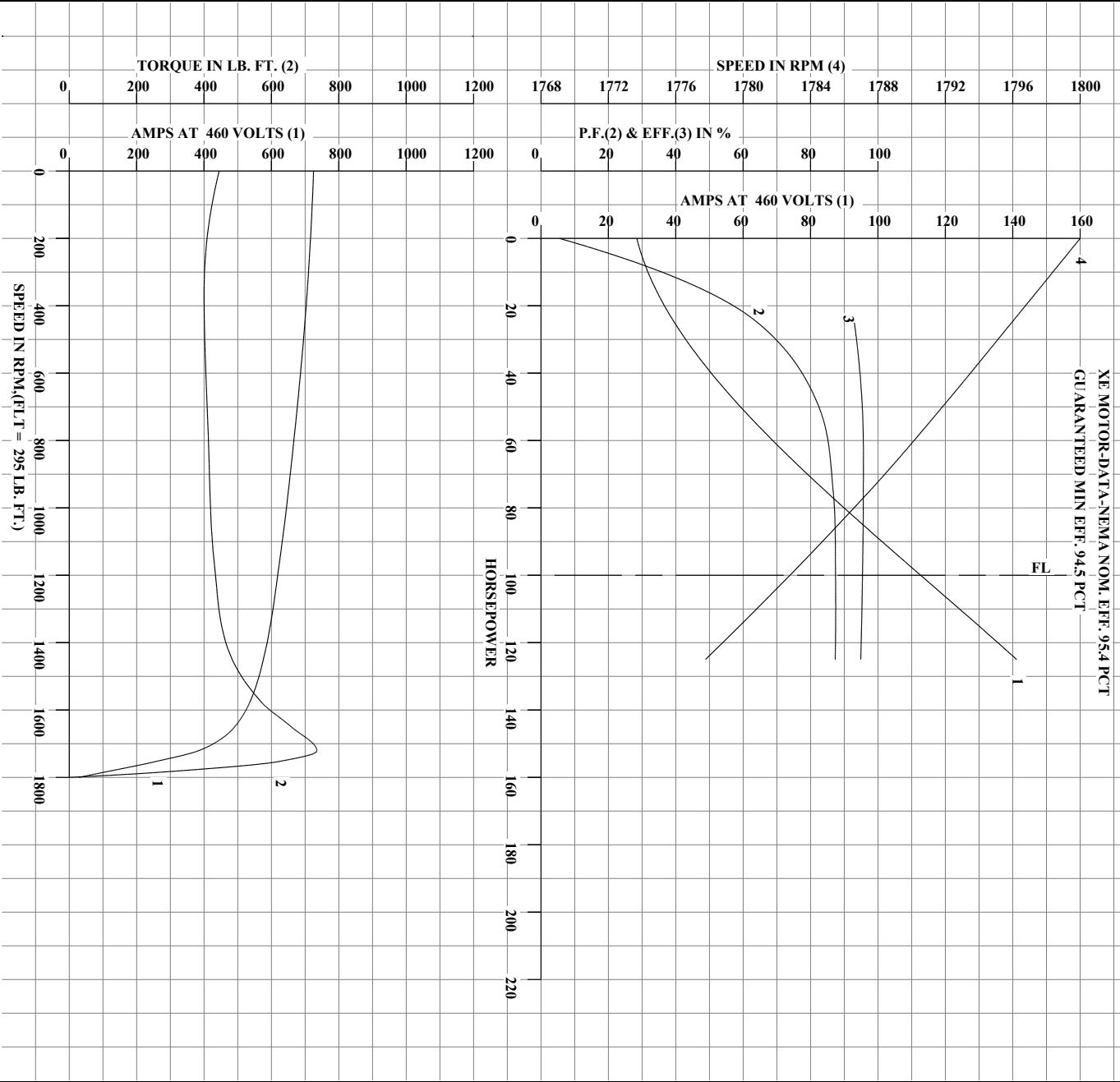
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2381L

SPEC NO.	P40G3927	CAT.NO.	EM4400T-G					FRAME	405T
HP	100//75	PHASE	3	DESIGN	B	TYPE	P		
RPM	1785//1485	HZ	60//50		AMB	40	SF	1.15	
VOLTS	230/460//190/380		DUTY	CONT		INSUL.CLASS		H	
AMPS	224/112//206/103				ENCL	TEFC	CODE	G	
DRIVE END BEARING	80BC03J30X		NEMA-NOM-EFFICIENCY				95.4		
OPP D.E. BEARING	80BC03J30X								
SER.NO.									
	VPWM INV DUTY 10:1 CT AT 1.0SF					MOTOR WEIGHT			

REL.S.O.	405T	RPM	1785	S.F.	1.15	ROTOR	418142-33-RE
FRAME	100	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	100	AMPS	224/112	CODE LETTER	G	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0123/.0492
PHASE / HERTZ	3/60	AMB °C / INSUL	40/H	E/S	596956	OHMS (BETWEEN LINES)	

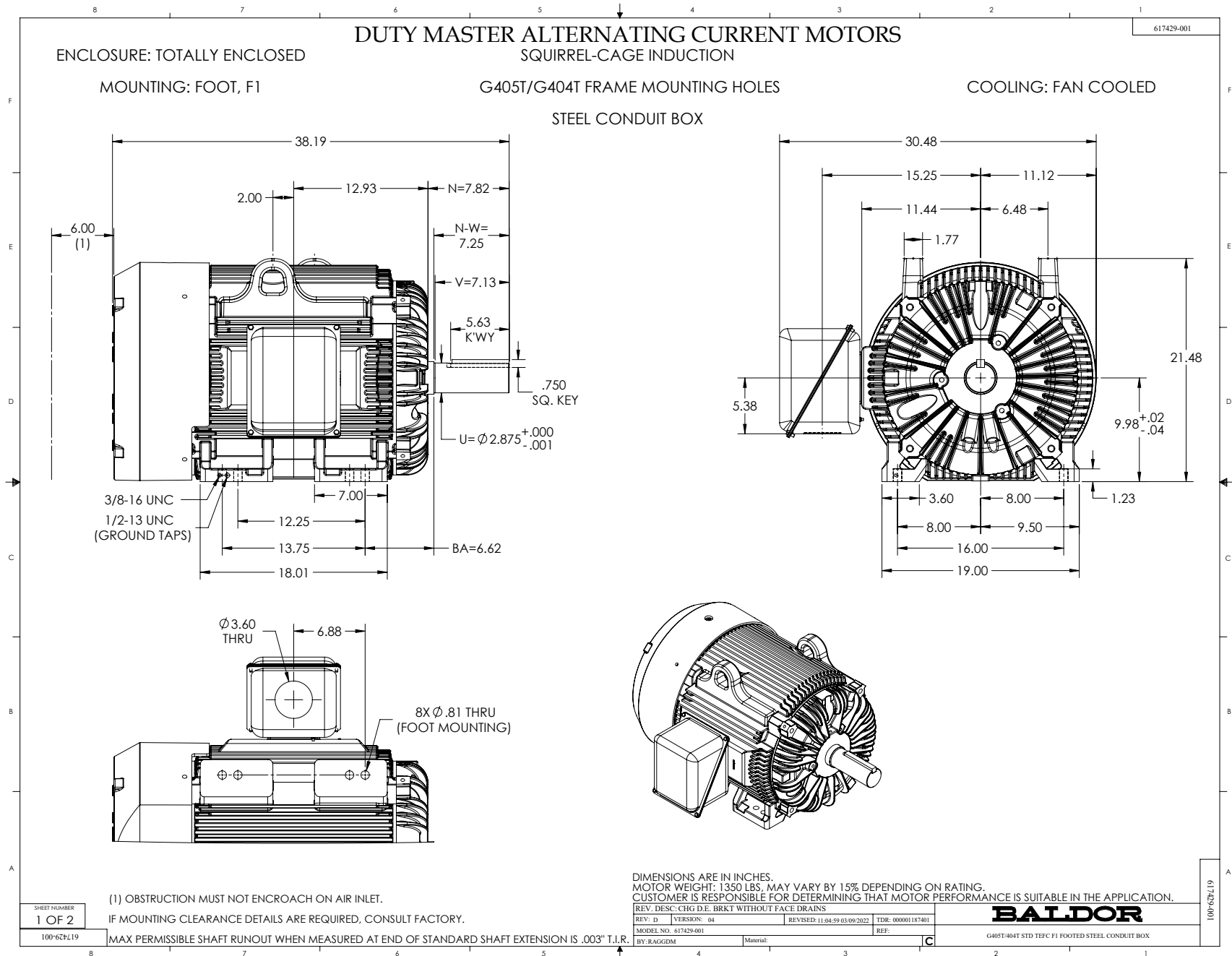


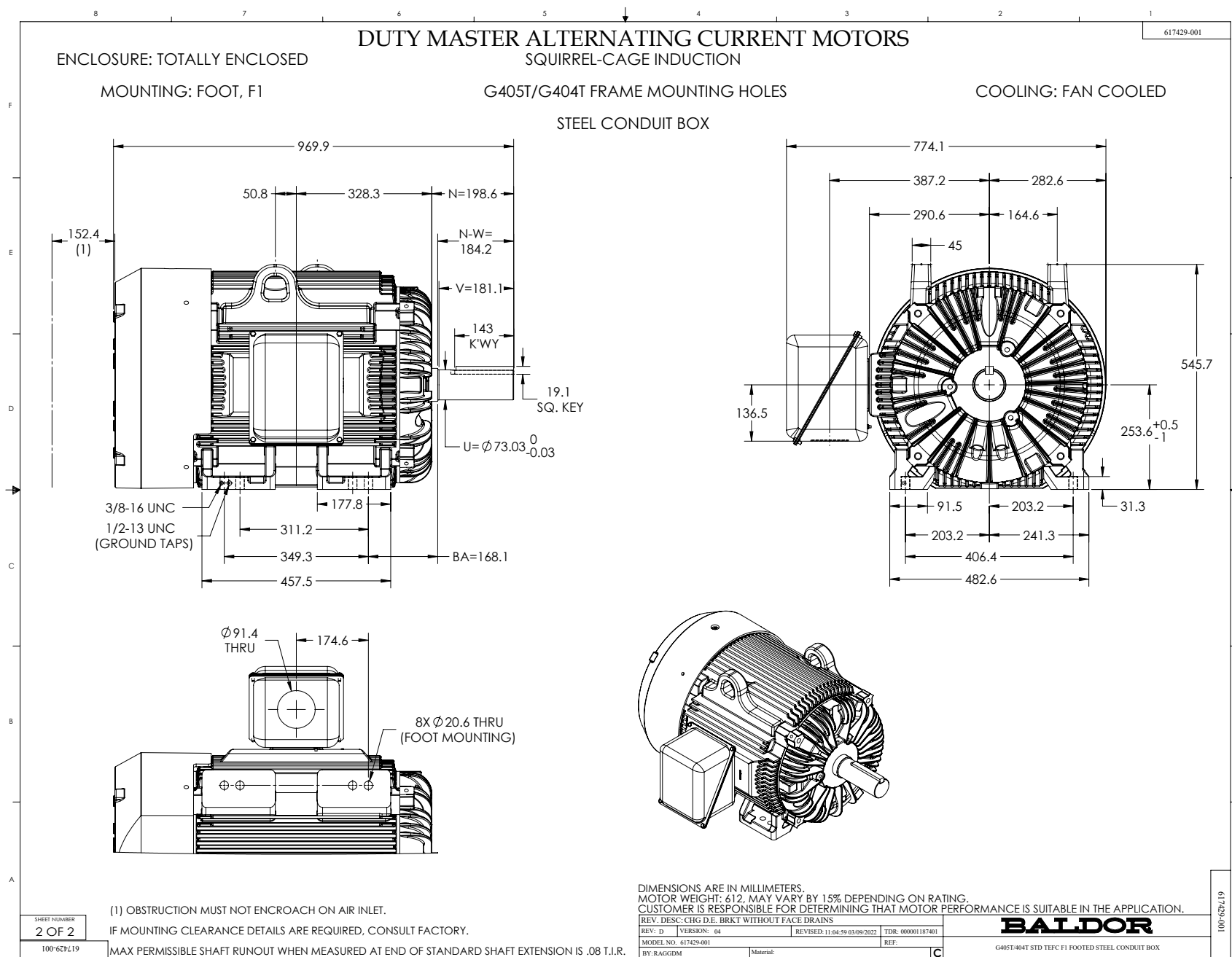
AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: J.P. TSAO	AC MOTOR PERFORMANCE DATA	A40W/G1610-R006
	CHECKED BY: W.L. SMITH APPROVED BY: W.L. SMITH DATE: 06/13/14		

USERCHRI

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416820-002

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



(N.P. 1575-B)

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REV. LTR: A	VERSION: 01	TDR: 000001009382
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CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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