

ABB BALDOR RELIANCE III

Customer information packet

CSPM4402TS-4

100HP, 3575RPM, 3PH, 60HZ, 405TSC, A4072M, TEF

Class - CLI GP A,B,C,D; CLII GP F,G

Division - Division II

Specifications

Enclosure	TEFC
Frame	405TSC
Frame Material	Cast Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
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
Agency Approvals	CCSAUSEEV CURUSEEV NEMA_PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	114.000 A @ 460.0 V
Design Code	A
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	114.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG5798
Layout	617437-732
Eff. date	05-28-2025
CD Diagram	416820-036
Poles	02
Leads	3#4
Proprietary	False
Created date	12-10-2024

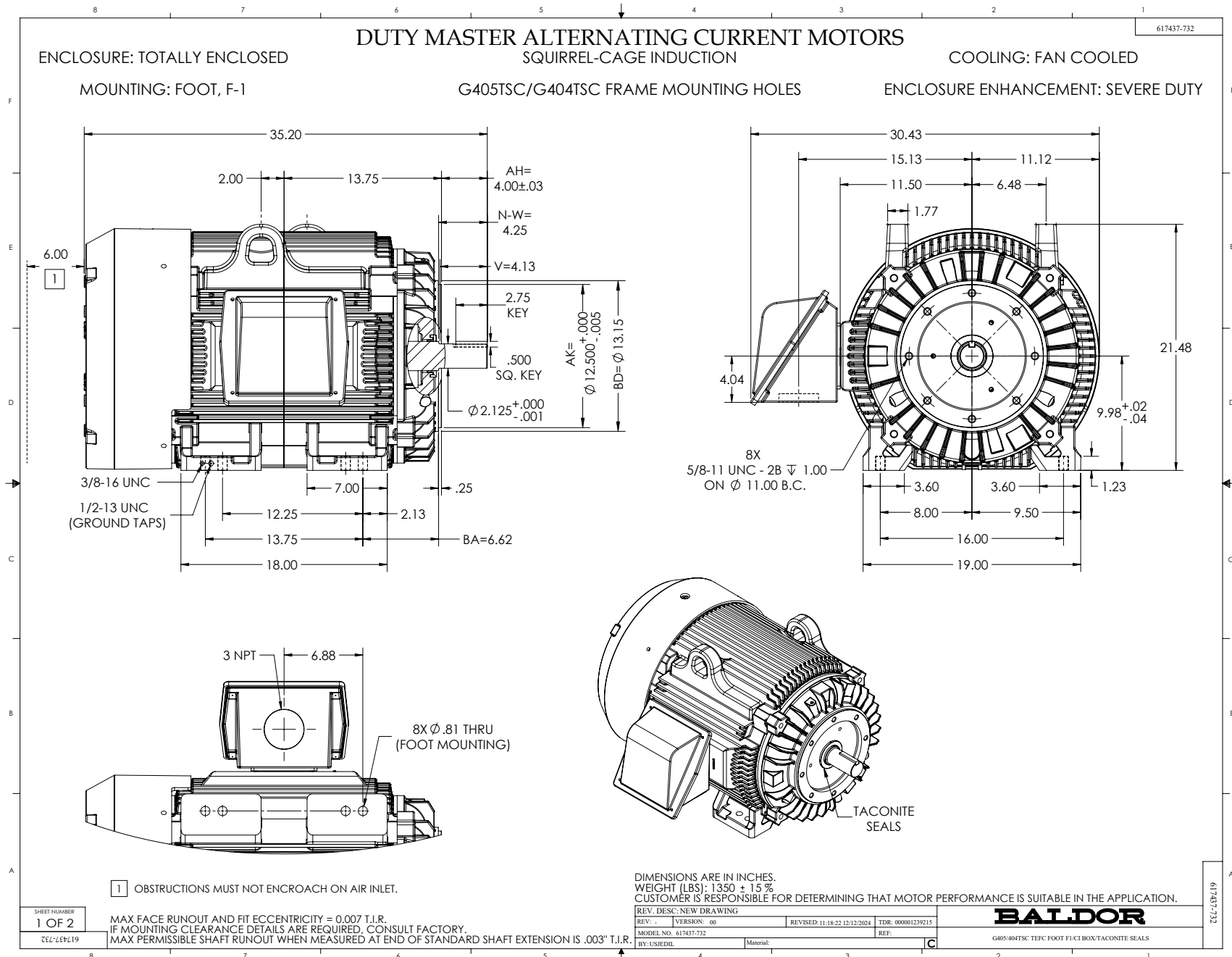
Motor Standards	NEMA
Motor Type	A4072M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.20 IN
Power Factor	87
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3575 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

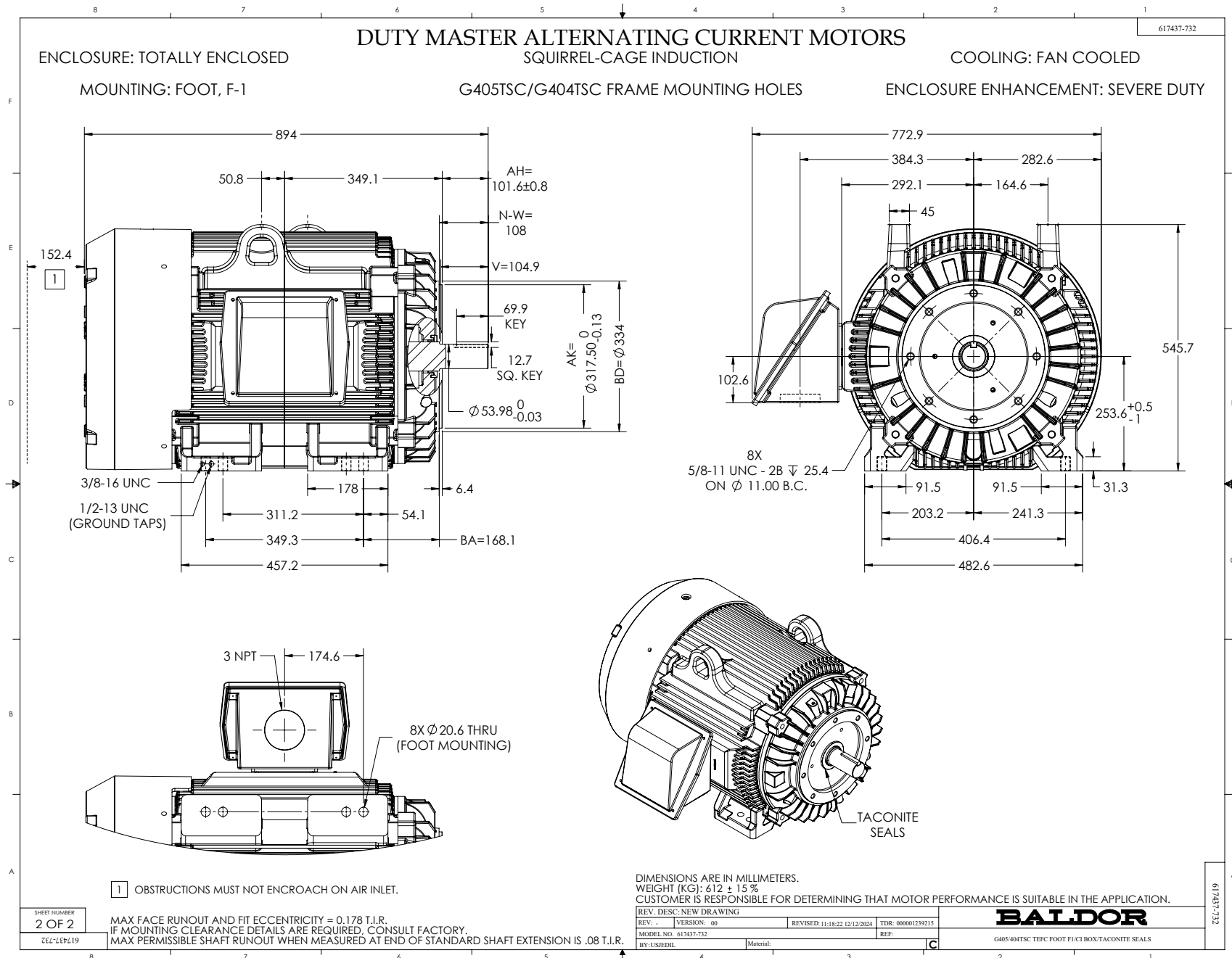
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP4562L

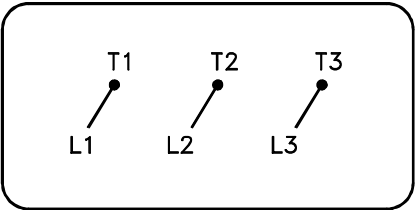
CAT NO	CSPM4402TS-4	SPEC NO.	A40-5002-5798	I.P.	55				
HP	100	AMPS	116	VOLTS	460	DESIGN	A		
FRAME SIZE	405TSC	RPM	3575	MAX RPM	4200	HZ	60	AMB	40 C
D.E. BRG.	80BC03J30X	PH.3	3	DUTY	CONT	INSUL.CLASS	F		
O.D.E. BRG.	80BC03J30X	TYPE P		ENCL	TEFC	SF	1.15	CODE	L
POWER FACTOR	84	MAX CORR KVAR	22.3	NEMA NOM EFFICIENCY	95	MOTOR WEIGHT		LBS	
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T3	CL.1,ZONE 2,GRP:		IIA,IIB,IIC	T= 200	C	INVERTER T.CODE T3
CL.II,DIV 2,GRP:	F,G	T.CODE	T3C	CL II ZONE 22 GRPS IIB		T=	160	C	INVERTER T.CODE T3
ID LOGO	INV TYPE:	VPWM	CT 15	TO 60	VT 3	TO 60	CHP 60	TO 70	
ID LOGO	1.0 SF VPWM	WK2	16	LBFT2	SL HZ	0.43	MAG CUR	43.6	
SER.NO.		MEETS INTENT OF IEEE-45				FOR WEATHER PROTECTION			





416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010
MTL: -		BY: RAGRA

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1