

ABB BALDOR RELIANCE III

Customer information packet

M4400T-5

100HP, 1775RPM, 3PH, 60HZ, 405T, 1480M, 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	575.0 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	92.800 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	92.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A40054M

Part Detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	NLA/A
Elec. spec.	A40WG0302
Layout	611740-001-SH1
Eff. date	09-29-2026
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	10-19-2010

Mounting Arrangement	F1
Number of Poles	4
Overall Length	38.31 IN
Power Factor	85
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	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate
NP2498L

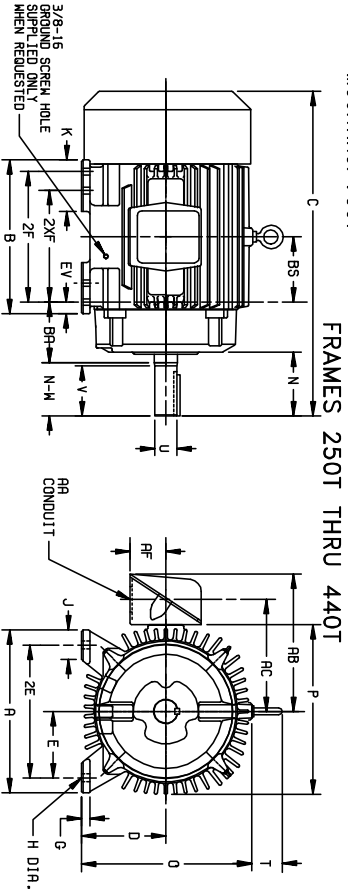
CAT.NO.	M4400T-5				SPEC NO.	P40G4667			
HP	100	AMPS	92.8		VOLTS	575		DESIGN	B
FRAME	405T	RPM	1780	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	80BC03J30X	PHASE	3	DUTY	CONT		INSUL.CLASS	F	
OPP D.E. BEARING	80BC03J30X	TYPE	P	ENCL	TEFC	CODE	G		
SER.NO.					POWER FACTOR	85		NEMA-NOM-EFFICIENCY	94.5
	FOR EXPORT ONLY					MAX CORR KVAR	22.0	GUARANTEED EFFICIENCY	94.1
						NEMA NOM/CSA QUOTED EFF			
					MOTOR WEIGHT				

611740-001-SH1

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

COOLING: FAN COOLED



FRAME		A	D(2)	E	G	H	J	K	O	P	T	STEEL TERMINAL BOX				BA	EV
SIZE	C	BS	B	2F	(4)	N	N-W(6)	U(3)	V	SO.	LGTH.	LB.	(5)				
254T-256T	12.50	6.25	5.00	.75	.56	2.50	---	13.25	13.25	2.44	1-1/4	10.75	8.75	2.50	4.25	1.00	
284T-296T	13.75	7.00	5.50	.75	.56	2.50	---	14.75	14.88	2.44	1-1/2	12.75	10.00	3.19	4.75	1.00	
324T-326T	15.50	8.00	6.25	.88	.69	2.75	4.50	16.89	17.00	2.44	2	15.19	11.44	4.25	5.25	1.38	
364T-365T	17.00	9.00	7.00	.88	.69	2.75	3.88	18.50	19.50	2.94	3	18.08	14.00	5.38	5.88	1.38	
404T-405T	19.00	10.00	8.00	1.12	.81	3.25	4.62	21.31	22.50	2.94	3	19.31	15.25	5.38	6.62	1.13	
444T-445T	21.00	11.00	9.00	1.12	.81	3.25	5.25	23.38	25.25	3.25	3	23.38	18.12	6.50	7.50	1.25	

FRAME		C	BS	B	2F	(4)	N	N-W(6)	U(3)	V	SO.	LGTH.	LB.	(5)			
254T	24.56	5.00	12.00	---	8.25	4.12	4.00	1.625	3.75	3.75	2.88	3.05					
256T	24.56	5.00	12.00	10.00	---	4.12	4.00	1.625	3.75	3.75	2.88	3.15					
284T	27.44	5.50	13.00	---	9.50	5.00	4.62	1.875	4.38	5.00	3.25	4.35					
284T	26.06	5.50	13.00	---	9.50	5.00	4.62	1.625	3.00	3.75	1.88	4.35					
286T	27.44	5.50	13.00	11.00	---	5.00	4.62	1.875	4.38	5.00	3.25	4.50					
286T	26.06	5.50	13.00	11.00	---	5.00	4.62	1.625	3.00	3.75	1.88	4.50					
324T	30.44	6.00	14.75	---	10.50	5.62	5.25	2.125	5.00	5.00	3.88	5.40					
324T	28.94	6.00	14.75	12.00	---	5.62	5.25	2.125	5.00	5.00	3.88	5.80					
326T	30.44	6.00	14.75	12.00	---	5.62	5.25	2.125	5.00	5.00	3.88	5.80					
326T	28.94	6.00	14.75	12.00	---	5.62	5.25	2.125	5.00	5.00	3.88	5.80					
364T	33.44	6.12	15.00	---	11.25	6.25	5.88	2.375	5.62	6.25	4.25	8.00					
364T	31.31	6.12	15.00	---	11.25	6.25	5.88	2.375	5.62	6.25	4.25	8.40					
365T	33.44	6.12	15.00	12.25	---	6.25	5.88	2.375	5.62	6.25	4.25	8.40					
365T	31.31	6.12	15.00	12.25	---	6.25	5.88	2.375	5.62	6.25	4.25	8.40					
404T	38.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.50	5.62	11.20					
404T	35.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.50	5.62	11.20					
405T	38.31	6.88	16.00	13.75	---	7.50	7.25	2.875	7.00	7.50	5.62	11.60					
405T	35.31	6.88	16.00	13.75	---	7.50	7.25	2.875	7.00	7.50	5.62	11.60					
444T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	15.40					
444T	40.88	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	15.40					
445T	44.62	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.75	6.88	17.24					
445T	40.88	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.75	6.88	17.24					

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES $\begin{cases} \text{---} 250T - 320T +.00, -.03. \\ \text{---} 360T - 440T +.00, -.06. \end{cases}$
- (3) "U" VARIES $\begin{cases} \text{---} \text{UP TO } 1.625 \text{ DIA.} +.0000, -.0005 \\ \text{---} 1.625 \text{ AND LARGER} +.000, -.001. \end{cases}$
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N-W" VARIES $+ .00, -.25$.

FRAME- _____ TYPE- _____ CERTIFIED FOR- _____
ORDER- _____ ITEM- _____ HP- _____ RPM- _____ PH- _____ HZ- _____ VOLTS- _____
RELIANCE SALES ORDER- _____ APPROVED BY- _____ DATE- _____

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TITLE SHEET 2

REV. LTR: B

VERSION: 02

TDR: 000000498266

FILE: \RAG\00000\167

REVISED: 07: 05: 46 04/29/2009

MTL: -

BY: RAGEC

Baldor • Dodge • Reliance

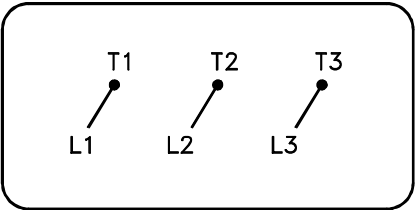
DIM SHEET 250T THRU 440T

SH 1 of 1

611740-001-SH1

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