ABB BALDOR RELIANCE

Customer information packet

OF3360T

60HP, 1125RPM, 3PH, 60HZ, 404T, 1654M, OPEN, F2
Class - None
Division - Not Applicable

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Specifications

Enclosure	DP
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	460.0 V @ 60 HZ
	796.0 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	71.600 A @ 460.0 V
	41.300 A @ 796.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	41.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 6 AWG

Part Detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A40WG0517
Layout	611750-001
Eff. date	02-05-2019
CD Diagram	416820-004
Poles	06
Leads	6#6
Proprietary	False
Created date	10-19-2010

Motor Standards	NEMA
Motor Type	A40054M
Mounting Arrangement	F2
Number of Poles	6
Power Factor	88
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1130 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2531L											
CAT.NO.				**SPEC NO.**	P40G733				**FRAME**	404T	
HP	60		**PHASE**	3	**DESIGN**	D	**TYPE**	P			
RPM	1130		**HZ**	60	**AMB**	40	**SF**	1.15			
VOLTS	460/796	**DUTY**	CONT			**INSUL.CLASS**	F				
AMPS	71.6/41.3		**ENCL**	DP	**CODE**	G					
DRIVE END BEARING	80BC03J30X				**NEMA-NOM-EFFICIENCY**		89.5				
OPP D.E. BEARING	80BC03J30X										
	OVER TEMP PROT 2										
SER.NO.			**MOTOR WEIGHT**								

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	404T	60	P	3/60	1130	460/796

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
71.6/41.3	CONT	40/F	1.0	D	G	ODP

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
596135	418142075DA	---	---	.112/.337

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	12.2	1200	6.73	0
1/4	15.0	15.7	1183	57.9	89.2
2/4	30.0	22.6	1166	78.5	91.6
3/4	45.0	31.3	1148	85.5	91.0
4/4	60.0	41.3	1128	87.8	89.5
5/4	75.0	51.8	1105	89.6	87.5

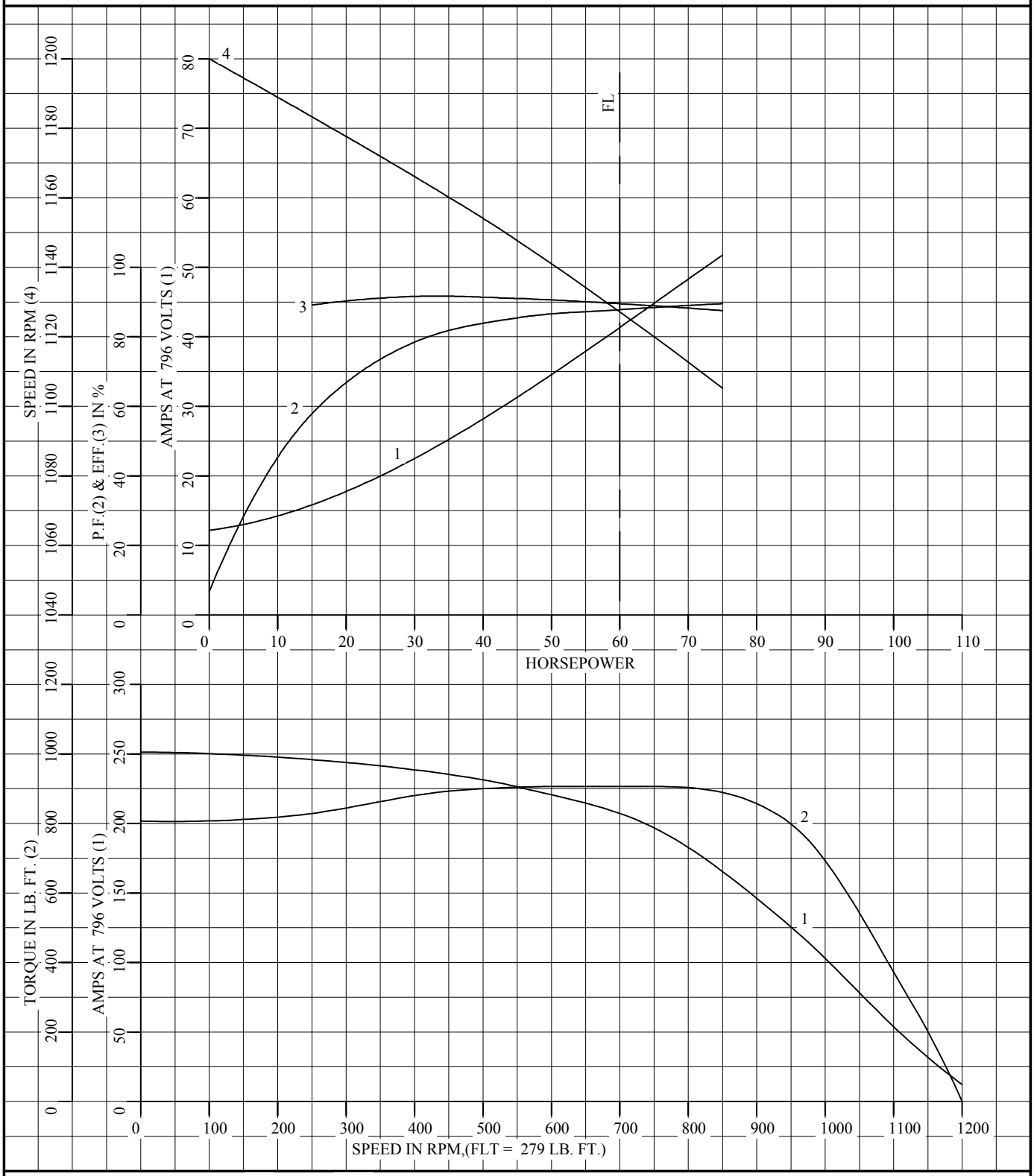
SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	289	807	251
PULL UP	0	289	807	251
BREAKDOWN	750	324	906	197
FULL LOAD	1128	100	279	41.3

AMPERES SHOWN FOR 796. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA

REL S.O.	RPM 1130	S.F. 1.0	ROTOR 418142075DA
FRAME 404T	VOLTS 460/796	NEMA DESIGN D	TEST S.O. TYPICAL DATA
HP 60	AMPS 71.6/41.3	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE ODP	STATOR RES.@ 25 °C .112/.337
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 596135	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 796 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY	J. P. TSAO
CK. BY	W. L. SMITH
APP. BY	W. L. SMITH
DATE	04/09/14

A-C MOTOR PERFORMANCE CURVES A40WG0517-R001 ISSUE DATE 04/09/14

611750-001

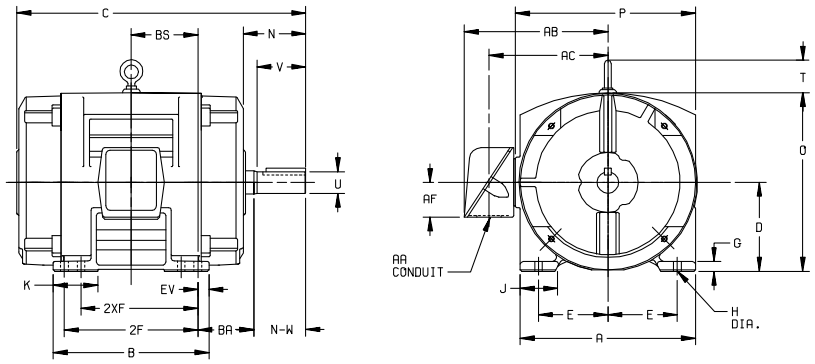
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF-VENTILATED

FRAMES 250T THRU 440T



DIMENSIONS ARE IN INCHES

FRAME	A	D(2)	E	G	H	J	K	O	P	T	STEEL TERMINAL BOX AA	AB	AC	AF	BA	EV
254T-256T	12.50	6.25	5.00	.69	.56	2.25	3.50	12.61	12.69	2.44	1-1/4	10.19	8.19	2.50	4.25	.62
284T-286TS	14.00	7.00	5.50	.75	.56	2.75	3.75	14.12	14.31	2.44	1-1/2	12.19	9.44	3.19	4.75	1.00
324T-326TS	15.75	8.00	6.25	.88	.69	3.12	4.00	16.10	16.42	2.44	2	14.25	10.75	4.25	5.25	1.00
364T-365TS	17.00	9.00	7.00	.88	.69	3.00	3.62	18.30	19.56	2.94	3	18.06	14.00	5.38	5.88	1.00
404T-405TS	19.00	10.00	8.00	1.12	.81	3.25	4.75	20.56	21.81	2.94	3	19.06	15.00	4.38	6.62	1.12
444T-445TS	21.00	11.00	9.00	1.12	.81	3.25	5.25	22.91	23.62	3.25	3	22.62	17.38	5.50	7.50	1.25
(1)																

FRAME SIZE	C	BS	B	2F	(4) 2XF	N	SHAFT AND KEY N-W(6)	U(3)	V	SQ.	LGTH.	WEIGHT LBS. (5)
254T	22.44	5.00	11.25	---	8.25	4.25	4.00	1.625	3.75	.375	2.75	265
256T	22.44	5.00	11.25	10.00	---	4.25	4.00	1.625	3.75	.375	2.75	275
284T	24.94	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	.500	3.25	340
284TS	23.56	5.50	13.00	---	9.50	3.50	3.25	1.625	3.00	.375	1.88	340
286T	24.94	5.50	13.00	11.00	---	4.88	4.62	1.875	4.38	.500	3.25	370
286TS	23.56	5.50	13.00	11.00	---	3.50	3.25	1.625	3.00	.375	1.88	370
324T	27.56	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	.500	3.75	465
324TS	26.06	6.00	14.00	---	10.50	4.00	3.75	1.875	3.50	.500	2.00	465
326T	27.56	6.00	14.00	12.00	---	5.50	5.25	2.125	5.00	.500	3.75	505
326TS	26.06	6.00	14.00	12.00	---	4.00	3.75	1.875	3.50	.500	2.00	505
364T	29.70	6.12	14.25	---	11.25	6.12	5.88	2.375	5.62	.625	4.25	715
364TS	27.58	6.12	14.25	---	11.25	4.00	3.75	1.875	3.50	.500	2.00	710
365T	29.70	6.12	14.25	12.25	---	6.12	5.88	2.375	5.62	.625	4.25	755
365TS	27.58	6.12	14.25	12.25	---	4.00	3.75	1.875	3.50	.500	2.00	750
404T	34.00	6.88	16.00	---	12.25	7.62	7.25	2.875	7.00	.750	5.50	1025
404TS	31.00	6.88	16.00	---	12.25	4.62	4.25	2.125	4.00	.500	2.75	1020
405T	34.00	6.88	16.00	13.75	---	7.62	7.25	2.875	7.00	.750	5.50	1065
405TS	31.00	6.88	16.00	13.75	---	4.62	4.25	2.125	4.00	.500	2.75	1060
444T	39.56	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	.875	6.88	1715
444TS	35.81	8.25	19.00	---	14.50	5.19	4.75	2.375	4.50	.625	3.00	1710
445T	39.56	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	.875	6.88	1755
445TS	35.81	8.25	19.00	16.50	---	5.19	4.75	2.375	4.50	.625	3.00	1750
(1)												

(1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.

(2) "D" VARIES — 250T - 320T +.00, -.03.
360T - 440T +.00, -.06.

(3) "U" VARIES +.000, -.001

(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.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2,W-1, W-4,W-5,W-7, OR C-1 MOUNTING IS SPECIFIED.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. ABOVE 1.625 TO 5 INCH DIA.

FRAME-_____ TYPE-_____ CERTIFIED FOR- _____

ORDER-_____ ITEM-_____ HP-_____ RPM-_____ PH-_____ HZ _____VOLTS_____

SALES ORDER-_____ APPROVED BY-_____ DATE _____

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

REV. DESC: ASSIGNED TO BUSLOAD
REV. LTR: A
FILE: \RAG\00008\297
MTL: -

VERSION: 01
REVISED: 15:03:33 02/02/2009

TDR: 000000489455
BY: RAGZJR

Baldor • Dodge • Reliance

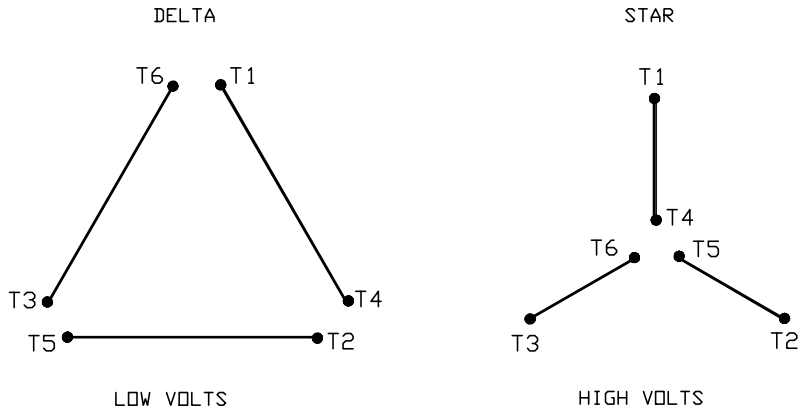
DIM SHT PROT SV FT 250-440T
SH 1 of 1

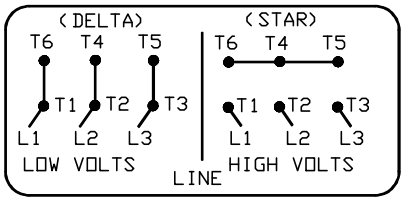
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A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD (DELTA/STAR CONNECTED)
DUAL VOLTAGE (LOW VOLTS/HIGH VOLTS)





(N. P. 1767-CC)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: C	VERSION: 03	TDR: 000001009406
FILE: \RSN\00017\950	REVISED: 10:55:03 12/21/2016	BY: MGHMTT
MTL: -		

BALDOR

A-C MOTOR CONNECTION DIAGRAM

SH 1 of 1

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