

BALDOR • RELIANCE

Customer information packet

M4314TS

60HP, 1775RPM, 3PH, 60HZ, 364TS, 1454M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364TS
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	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
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	73.400 A @ 460.0 V 146.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	73.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG

Part detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A36WG0776
Layout	611740-001-SH1
Eff. date	05-17-2022
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

Motor Standards	NEMA
Motor Type	A36042M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	31.31 IN
Power Factor	82
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	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2531L									
CAT.NO.	M4314TS	SPEC NO.	P36G4669			FRAME	364TS		
HP	60	PHASE	3	DESIGN	B	TYPE	P		
RPM	1780	HZ	60	AMB	40	SF	1.15		
VOLTS	230/460	DUTY	CONT		INSUL.CLASS	F			
AMPS	146/73.4	ENCL	TEFC	CODE	G				
DRIVE END BEARING	65BC03J30X		NEMA-NOM-EFFICIENCY			93.6			
OPP D.E. BEARING	65BC03J30X								
SER.NO.	SUIT FOR 208V AT 155 AMPS				NOT FOR USE IN THE US				
	MOTOR WEIGHT								

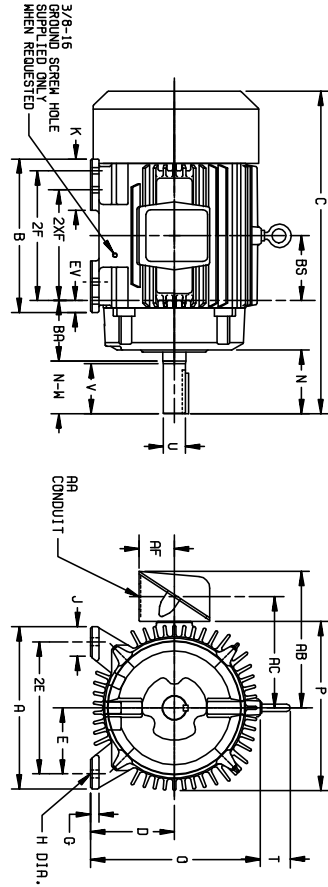
611740-001-SH2

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAMES 250T THRU 440T

COOLING: FAN COOLED



DIMENSIONS ARE IN MILLIMETERS. SEE SHEET 1 FOR DIMENSIONS IN INCHES.

FRAME	A	D(2)	E	G	H	J	K	O	P	T	STEEL TERMINAL BOX				EA	EV
										AA(7)	AB	AC	AD	AE	AF	AG
254T-256T	317.5	158.8	127.0	19.0	14.2	63.5	---	336.5	336.5	62.0	1-1/4	273.0	222.3	63.5	108.0	25.4
264T-266T	349.2	177.8	139.7	19.0	14.2	63.5	---	374.6	378.0	62.0	1-1/2	323.8	254.0	81.0	120.7	25.4
324T-326T	393.7	203.2	158.8	22.4	17.5	69.9	114.3	423.9	431.8	62.0	2	385.8	290.6	108.0	133.3	35.1
364T-365T	431.8	228.6	177.8	22.4	17.5	69.9	98.6	469.9	495.3	74.7	3	458.7	355.6	136.7	149.4	35.1
404T-405T	482.6	254.0	203.2	28.4	20.6	82.5	117.3	541.3	571.5	74.7	3	490.5	387.3	136.7	168.1	28.7
444T-445T	533.4	279.4	228.6	28.4	20.6	82.5	133.3	593.9	641.3	82.5	3	593.9	460.2	165.1	190.5	31.7

FRAME	C	BS	B	ZF	(4) 2XF	N	N-W(6)	SHAFT AND KEY				LGTH.	WEIGHT
SIZE							U(S)	V	SQ.			(3)	
254T	623.8	127.0	304.8	---	209.6	104.6	41.27	93.3	93.2	73.2	138	138	
264T	623.8	127.0	304.8	254.0	---	104.6	41.27	93.3	93.2	73.2	142	142	
284T	697.0	138.7	330.2	---	241.3	127.0	47.63	111.3	127.0	82.5	197	197	
286T	661.9	138.7	330.2	279.4	---	127.0	47.63	111.3	127.0	82.5	204	204	
288T	697.0	138.7	330.2	279.4	---	127.0	47.63	111.3	127.0	82.5	204	204	
288T	697.0	138.7	330.2	279.4	---	127.0	47.63	111.3	127.0	82.5	204	204	
324T	773.2	152.4	374.6	---	286.7	142.7	53.97	127.0	127.0	86.6	244	244	
324T	773.2	152.4	374.6	---	286.7	142.7	53.97	127.0	127.0	86.6	244	244	
326T	773.2	152.4	374.6	---	286.7	142.7	53.97	127.0	127.0	86.6	244	244	
326T	773.2	152.4	374.6	---	286.7	142.7	53.97	127.0	127.0	86.6	244	244	
364T	849.4	152.4	381.0	---	285.7	158.8	49.3	47.63	142.7	158.8	362	362	
364T	849.4	152.4	381.0	---	285.7	158.8	49.3	47.63	142.7	158.8	362	362	
365T	795.3	155.4	381.0	311.1	---	158.8	49.3	47.63	142.7	158.8	378	378	
365T	795.3	155.4	381.0	311.1	---	158.8	49.3	47.63	142.7	158.8	378	378	
365T	795.3	155.4	381.0	311.1	---	158.8	49.3	47.63	142.7	158.8	378	378	
404T	973.1	174.8	406.4	---	311.1	190.5	53.97	101.8	127.0	99.9	503	503	
404T	973.1	174.8	406.4	---	311.1	190.5	53.97	101.8	127.0	99.9	503	503	
404T	973.1	174.8	406.4	---	311.1	190.5	53.97	101.8	127.0	99.9	503	503	
405T	973.1	174.8	406.4	349.2	---	190.5	53.97	101.8	127.0	99.9	522	522	
405T	973.1	174.8	406.4	349.2	---	190.5	53.97	101.8	127.0	99.9	522	522	
405T	973.1	174.8	406.4	349.2	---	190.5	53.97	101.8	127.0	99.9	522	522	
444T	1133.3	209.6	482.6	---	388.3	227.1	60.33	114.3	158.8	76.2	691	691	
444T	1133.3	209.6	482.6	---	388.3	227.1	60.33	114.3	158.8	76.2	691	691	
445T	1133.3	209.6	482.6	419.1	---	227.1	60.33	114.3	158.8	76.2	784	784	
445T	1133.3	209.6	482.6	419.1	---	227.1	60.33	114.3	158.8	76.2	784	784	
445T	1133.3	209.6	482.6	419.1	---	227.1	60.33	114.3	158.8	76.2	784	784	

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE. CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2-W-1, W-4-W-5-W-7, OR C-1 MOUNTING IS SPECIFIED.
- (2) "D" VARIES — 250T - 320T +0, -8.
 360T - 440T +0, -1.5.
 UP TO 41.27 DIA. +0.00, -0.13
- (3) "U" VARIES — 41.27 AND LARGER +.00, -.03 MOUNTING.
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N-W" VARIES +0, -6.4.
- (7) DIMENSIONS ARE IN INCHES.

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	TDR: 000000498266
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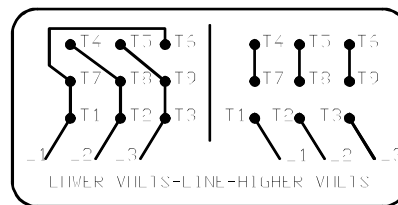
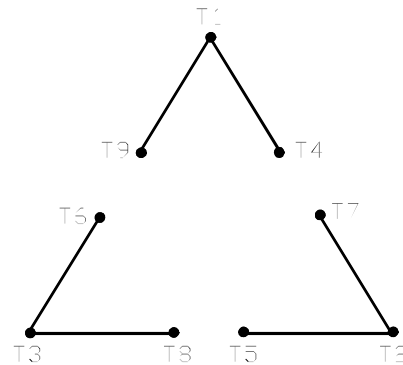
Baldor • Dodge • Reliance

DIM SHEET 250T THRU 440T METRIC
SH 1 of 1

611740-001-SH2

416820-002

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



(N.P. 1575-B)

416820-002

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1