



Customer information packet

ZDVSM4314T

60HP, 1800RPM, 3PH, 60HZ, 364T, TEFC, FOOT,
Class - None
Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz 90.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ 60.000 HP @ 90 HZ
Phase	3
Synchronous Speed @ Frequency	3000 RPM @ 90 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 460.0 V @ 90 HZ 230.0 V @ 90 HZ 230.0 V @ 60 HZ
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	1000:1
Current @ Voltage	71.200 A @ 460.0 V 69.100 A @ 460.0 V 142.000 A @ 230.0 V 138.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	TACHOMETER
Heater Indicator	No Heater
High Voltage Full Load Amps	69.1 a

Part detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4074
Layout	611740-200
Eff. date	07-23-2025
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	No Lifting Lugs
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	36.75 IN
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm 2675 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613007HV

CAT NO	ZDVSM4314T		SPEC NO.	P36G3219			
SER.NO.			FRAME	364T			
	HP	RPM	VOLTS	AMPS	HZ	TYPE	P
BASE	60	1785	230/460	142/71	60	SF	1.00
MAX	60	2675	230/460	138/68	90	INSUL.CLASS	F
DRIVE END BEARING	65BC03J30X		CONSTANT TORQUE	DUTY	CONT	AMB	40
OPP D.E. BEARING	65BC03J30X		1000:1	ENCL	TEFC	PHASE	3
DESIGN NO.	A36WG4074-R002		FLUX AMPS	54/27		VPWM INVERTER READY	
MAX SPEED/RPM	3600		OVERTEMP PROT	2	WK2	14.32	POLES 4 WEIGHT

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIREL-CAGE INDUCTION

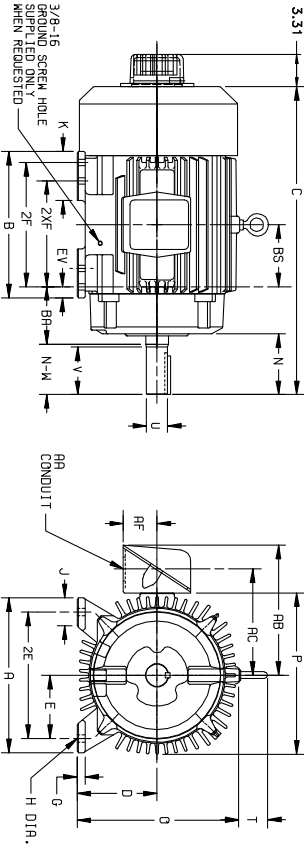
ENCLOSURE: TOTALLY ENCLOSED

COOLING: FAN COOLED

MOUNTING: FOOT

ACCESSORIES: BEI HS 35 TACH

FRAMES 250T THRU 440T



DIMENSIONS ARE IN INCHES

FRAME	A	D(2)	E	G	H	J	K	O	P	T	AA	AB	AC	AF	BA	EV
254T-256T	12.50	6.25	5.00	.75	.56	2.50	---	13.25	13.58	2.44	1-1/4	10.75	8.75	2.50	4.25	1.00
284T-286T	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	16.69	17.00	2.44	2	15.19	11.44	4.25	5.25	1.38
364T-366T	17.00	9.00	7.00	.88	.69	2.75	3.88	18.50	19.50	2.94	3	18.06	14.00	5.38	5.88	1.38
404T-406T	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-446T	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	SIZE	C	BS	B	2F	(4)	N	N-W(6)	U(3)	V	SO	LGTH.	WEIGHT
254T	24.56	5.00	12.00	---	---	8.25	4.12	4.00	1.625	3.75	.375	2.86	305
284T	24.56	5.00	12.00	10.00	---	---	4.12	4.00	1.625	3.75	.375	2.86	315
284T	27.44	5.50	13.00	---	---	9.50	4.62	4.38	1.875	4.38	.500	3.25	4.35
284T	26.06	5.50	13.00	---	---	---	3.62	3.25	1.625	3.00	.375	1.88	4.35
286T	27.44	5.50	13.00	11.00	---	---	5.00	4.62	1.875	4.38	.500	3.25	4.50
286T	26.06	5.50	13.00	11.00	---	---	3.62	3.25	1.625	3.00	.375	1.88	4.50
324T	30.44	6.00	14.75	---	---	10.50	5.62	5.25	2.125	5.00	.500	3.86	5.40
324T	28.94	6.00	14.75	---	---	10.50	4.12	3.75	1.875	3.50	.500	2.00	5.40
326T	30.44	6.00	14.75	12.00	---	---	5.62	5.25	2.125	5.00	.500	3.86	5.80
326T	28.94	6.00	14.75	12.00	---	---	4.12	3.75	1.875	3.50	.500	2.00	5.80
364T	33.44	6.12	15.00	---	---	11.25	6.25	5.88	2.375	5.62	.625	4.25	800
364T	31.31	6.12	15.00	---	---	11.25	4.12	3.75	1.875	3.50	.500	2.00	794
365T	33.44	6.12	15.00	12.25	---	---	6.25	5.88	2.375	5.62	.625	4.25	840
365T	31.31	6.12	15.00	12.25	---	---	4.12	3.75	1.875	3.50	.500	2.00	834
404T	38.31	6.88	16.00	---	---	12.25	7.50	7.25	2.875	7.00	.750	5.62	1120
404T	35.31	6.88	16.00	---	---	12.25	4.50	4.25	2.125	4.00	.500	2.75	1111
405T	35.31	6.88	16.00	13.75	---	---	7.50	7.25	2.875	7.00	.750	5.62	1160
405T	33.31	6.88	16.00	13.75	---	---	4.50	4.25	2.125	4.00	.500	2.75	1151
444T	44.62	8.25	19.00	---	---	14.50	8.94	8.50	3.375	8.25	.875	6.86	1540
444T	42.62	8.25	19.00	---	---	14.50	5.94	5.50	3.375	8.25	.875	6.86	1540
445T	44.62	8.25	19.00	16.50	---	---	8.50	8.00	3.375	8.25	.875	6.86	1726
445T	40.88	8.25	19.00	16.50	---	---	5.19	4.75	2.375	4.50	.625	3.00	1714

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES 250T - 320T +.00, -.03.
360T - 440T +.00, -.06.
HP TO 1.625 DIA. +.0000, -.0005
- (3) "U" VARIES 1.625 AND LARGER +.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 SHAFT EXTENSION IS .002 T.I.R. TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

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

C/R 380258

10-541-05 10-541-00

002-074119

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: REMOVING TITLEBLOCK	VERSION: 01	TDR: 000000446964
REV. LTR: A	REVISED: 15: 33: 32 10/23/2007	BY: CONBPM
FILE: \RAG\00004\234		
MTL: -		

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250T-440T TEFC W/ BEI HS35 TACH

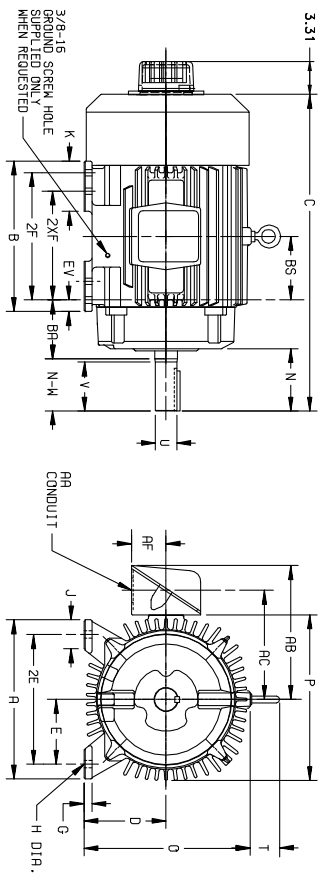
DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

COOLING: FAN COOLED

MOUNTING: FOOT
ACCESSORIES: BEI HS 35 TACH

FRAMES 250T THRU 440T



DIMENSIONS ARE IN MILLIMETERS

[illegible]

FRAME	SIZE	C	BS	B	ZF	(4)	ZXF	N-W(6)	U(3)	SH-AT	V	AND KEY	SO.	LGTH	WEIGHT (KG)
															(5)
2547	687.32	127.00	304.80	---	---	209.55	104.65	101.60	41.275	95.25	9.525	73.15	---	139	139
2567	687.32	127.00	304.80	254.00	---	---	---	106.60	41.275	95.25	9.525	73.15	---	143	143
2647	736.12	139.70	330.20	---	---	241.30	127.00	117.35	47.625	121.50	12.500	82.55	---	198	198
2647S	703.07	139.70	330.20	---	---	241.30	127.00	117.35	47.625	121.50	12.500	82.55	---	198	198
2667	736.12	139.70	330.20	---	---	---	---	127.00	41.275	95.25	12.500	82.55	---	205	205
2687S	703.07	139.70	330.20	279.40	---	---	---	127.00	41.275	95.25	12.500	82.55	---	205	205
3247	847.85	152.40	374.65	---	---	286.70	142.75	133.35	53.765	142.76	12.700	98.55	---	245	245
3247S	809.75	152.40	374.65	---	---	286.70	142.75	95.25	53.765	142.76	12.700	98.55	---	245	245
3267	864.85	152.40	374.65	304.80	---	---	---	152.75	53.375	122.00	12.700	98.55	---	264	264
3647	936.75	154.55	381.00	---	---	285.75	142.75	142.75	54.765	142.76	15.875	107.95	---	361	361
3647S	936.75	154.55	381.00	---	---	285.75	142.75	142.75	54.765	142.76	15.875	107.95	---	361	361
3647S	892.65	155.55	381.00	---	---	---	---	158.75	149.35	60.325	14.750	15.875	107.95	382	382
3667	936.75	155.55	381.00	311.15	---	---	---	158.75	149.35	60.325	14.750	15.875	107.95	382	382
3667S	882.65	155.55	381.00	311.15	---	---	---	158.75	95.25	47.625	17.800	12.700	50.80	379	379
4047	1033.27	174.75	406.40	---	---	311.15	190.50	184.15	73.025	177.80	19.050	142.75	---	549	549
4047S	957.07	174.75	406.40	349.25	---	311.15	190.50	107.95	53.375	16.00	12.700	69.65	---	505	505
4057	1033.27	174.75	406.40	---	---	---	---	190.50	184.15	73.025	17.800	19.050	142.75	527	527
4057S	957.07	174.75	406.40	349.25	---	---	---	114.30	107.95	53.375	16.00	12.700	69.65	523	523
4447	1208.02	209.55	482.60	---	---	368.30	227.08	215.80	85.725	208.55	22.225	174.75	---	700	700
4447S	1113.03	209.55	482.60	---	---	368.30	227.08	181.30	60.325	114.30	15.875	76.20	---	693	693
4457	1208.02	209.55	482.60	419.10	---	---	---	237.08	215.80	85.725	208.55	22.225	174.75	766	766
4457S	1113.03	209.55	482.60	419.10	---	---	---	131.83	120.65	60.325	114.30	15.875	76.20	779	779

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES $\begin{cases} 2507 - 3207 + 0.0, - .8. \\ 3607 - 4407 + 0.0, -1.5 \end{cases}$
- (3) "U" VARIES $\begin{cases} \text{UP TO } 41.27 \text{ DIA.} + .000, - .013 \\ 41.27 \text{ AND LARGER} + .00, - .03 \end{cases}$
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N-W" VARIES + 0.0, - 6.35

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

611740-200-SH2

611740-200-SHZ

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DIM SHT 250T-440T TEFC BEI HS35 TACH

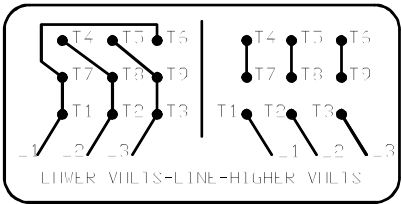
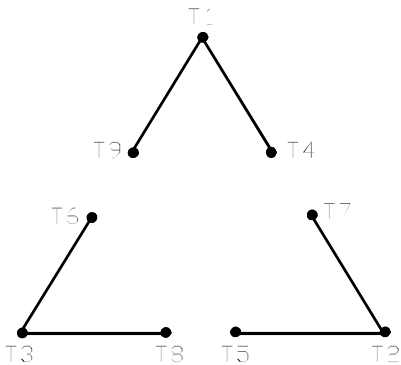
SH 1 of 1

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

REV. LTR: -			VERSION: 00	TDR: 000000466684
FILE: \RAG\00006\682		REVISED: 12:02:49 06/04/2008		BY: RAGRHX
MTL: -				

416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002