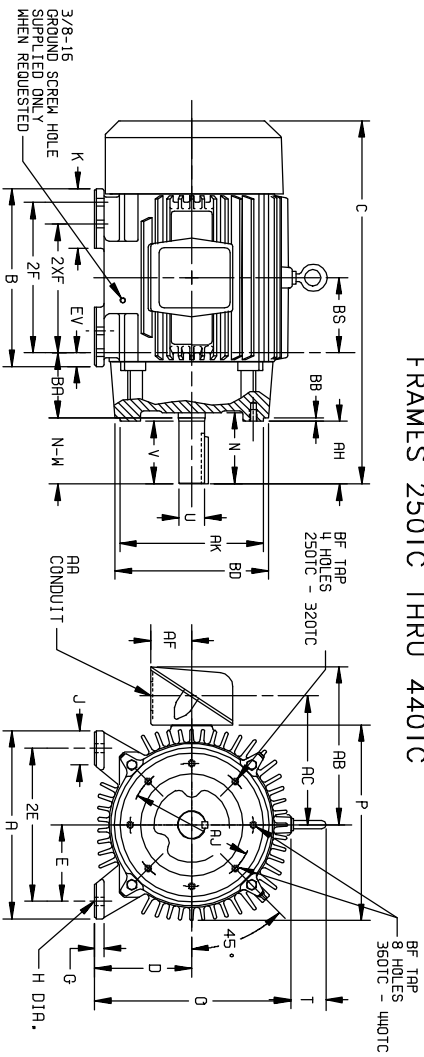


# DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED SQUIREL-CAGE INDUCTION COOLING: FAN COOLED  
MOUNTING: FOOT, NEMA "C" FACE  
FRAMES 250TC THRU 440TC



DIMENSIONS ARE IN INCHES. SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

FRAME	A	D(2)	E	G	H	J	K	EV	O	P	T	STEEL TERMINAL BOX								MIN. TAP DEPTH	AU	AK
												AA	AB	AC	AF	BA	BB	BD	BF			
254TC-256TC	12.50	6.25	5.00	.75	.56	2.50	---	1.00	1.3.25	1.3.25	2.44	-1/4	10.75	8.75	2.50	4.75	2.25	9.00	1/2-13	.75	7.25	8.500
284TC-286TSC	13.75	7.00	5.50	.75	.56	2.50	---	1.00	1.4.75	1.4.88	2.44	-1/2	12.75	10.00	3.19	4.75	2.25	11.25	1/2-13	.75	9.00	10.500
324TC-326TSC	15.50	8.00	6.25	.88	.69	2.75	4.50	1.38	16.69	17.00	2.44	2	15.19	11.44	4.25	5.25	2.5	13.12	5/8-11	.94	11.00	12.500
364TC-366TSC	17.00	9.00	7.00	.88	.69	2.75	3.88	1.38	18.50	19.50	2.94	3	18.06	14.00	5.38	3.88	2.31	3.00	5/8-11	.94	11.00	12.500
404TC-406TSC	19.00	10.00	8.00	1.12	.81	3.25	4.62	1.13	21.31	22.50	2.94	3	19.31	15.25	5.38	6.62	2.5	3.12	5/8-11	.94	11.00	12.500
444TC-446TSC	21.00	11.00	9.00	1.12	.81	3.25	5.25	1.25	23.38	25.25	3.25	3	23.38	18.12	6.50	7.50	2.5	16.75	5/8-11	.94	14.00	16.000

FRAME	SIZE	C	BS	B	ZF	(4)	N	AH	SHAFT AND KEY				WEIGHT
									N-W(7)	V	SQ.	LGTH.	
254TC	25.06	5.00	12.00	---	8.25	4.06	3.75	4.00	1.625	3.75	.375	2.88	315
256TC	25.06	5.00	12.00	10.00	---	4.06	3.75	4.00	1.625	3.75	.375	2.88	325
284TC	27.44	5.50	13.00	---	9.50	5.00	4.38	4.62	1.875	4.38	.500	3.28	445
284TSC	26.06	5.50	13.00	---	9.50	3.62	3.00	3.25	1.625	3.00	.375	1.88	445
286TC	27.44	5.50	13.00	11.00	---	5.00	4.38	4.62	1.875	4.38	.500	3.25	460
286TSC	26.06	5.50	13.00	11.00	---	3.62	3.00	3.25	1.625	3.00	.375	1.88	460
324TC	30.44	6.00	14.75	---	10.50	5.62	5.00	5.25	2.125	5.00	.500	3.88	555
324TSC	28.94	6.00	14.75	---	10.50	4.12	3.50	3.75	1.875	3.50	.500	2.00	555
326TC	30.44	6.00	14.75	12.00	---	5.62	5.00	5.25	2.125	5.00	.500	3.88	595
326TSC	28.94	6.00	14.75	12.00	---	4.12	3.50	3.75	1.875	3.50	.500	2.00	595
364TC	33.44	6.12	15.00	---	11.25	6.25	5.62	5.88	2.375	5.62	.625	4.25	815
364TSC	31.31	6.12	15.00	---	11.25	4.12	3.50	3.75	1.875	3.50	.500	2.00	809
366TC	33.44	6.12	15.00	12.25	---	6.25	5.62	5.88	2.375	5.62	.625	4.25	855
366TSC	31.31	6.12	15.00	12.25	---	4.12	3.50	3.75	1.875	3.50	.500	2.00	849
404TC	38.31	6.88	16.00	---	12.25	7.50	7.00	7.25	2.875	7.00	.750	3.62	1165
404TSC	35.31	6.88	16.00	---	12.25	4.50	4.00	4.25	2.875	4.00	.500	2.75	1165
405TC	38.31	6.88	16.00	13.75	---	7.50	7.00	7.25	2.875	7.00	.750	3.62	1205
405TSC	35.31	6.88	16.00	13.75	---	4.50	4.00	4.25	2.875	4.00	.500	2.75	1196
444TC	44.62	8.25	19.00	---	14.50	8.94	8.25	8.50	3.375	8.25	.875	6.88	1608
444TSC	40.88	8.25	19.00	---	14.50	5.19	4.50	4.75	2.375	4.50	.625	3.00	1592
445TC	44.62	8.25	19.00	16.50	---	8.94	8.25	8.50	3.375	8.25	.875	6.88	1798
445TSC	40.88	8.25	19.00	16.50	---	5.19	4.50	4.75	2.375	4.50	.625	3.00	1782

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
    - (1) CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2W-1, W-4W-5W-7, OR C-1 MOUNTING IS SPECIFIED.
    - (2) "D" VARIES
      - 250TC - 320TC +.00, -.03
      - 360TC - 440TC +.00, -.06.
    - (3) "U" VARIES
      - HP TO 1.625 DIA. +.0000, -.0005
      - HP TO 1.625 DIA. +.00, -.001.
    - (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
      - 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. 1.625 DIA. TO 5 INCH DIA.
      - FACE RUNOUT AND ECCENTRICITY
        - 250TC - 280TC INCL. .004 MAX. T.I.R.
        - 320TC - 440TC INCL. .007 MAX. T.I.R.
    - (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
    - (6) "AK" VARIES
      - 250TC - 280TC +.000, -.003
      - 320TC - 440TC +.000, -.005
    - (7) "N-W" VARIES +.00, -.25.
- FRAME \_\_\_\_\_ TYPE \_\_\_\_\_ CERTIFIED FOR \_\_\_\_\_  
 ORDER \_\_\_\_\_ ITEM \_\_\_\_\_ HP \_\_\_\_\_ RPM \_\_\_\_\_ PH \_\_\_\_\_ HZ \_\_\_\_\_ VOLTS \_\_\_\_\_  
 RELANCE SALES ORDER \_\_\_\_\_ APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

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

REV. DESC: REMOVING TITLE BLOCK		
REV. LTR: A	VERSION: 01	TDR: 00000441900
FILE: \RAG\00003\380	REVISED: 09:15:38 08/28/2007	BY: RAGRXX
MTL: 1		

## Baldor • Dodge • Reliance

DIM SHEET 250TC THRU 440TC