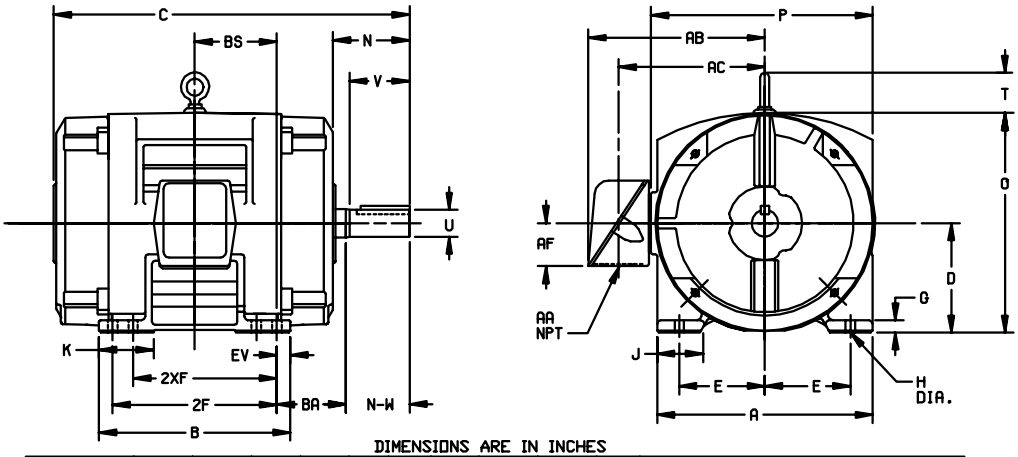
# DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

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 | CAST IRON 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 | 10.25 | 8.25 | 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 | 12.06 | 9.62 | 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 | 14.75 | 11.00 | 3.62 | 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 | 18.00 | 13.81 | 4.12 | 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 | 19.00 | 14.81 | 3.12 | 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 | 21.44 | 16.69 | 5.00 | 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 | 480 |
| 324TS | 26.06 | 6.00 | 14.00 | --- | 10.50 | 4.00 | 3.75 | 1.875 | 3.50 | .500 | 2.00 | 480 |
| 326T | 27.56 | 6.00 | 14.00 | 12.00 | --- | 5.50 | 5.25 | 2.125 | 5.00 | .500 | 3.75 | 520 |
| 326TS | 26.06 | 6.00 | 14.00 | 12.00 | --- | 4.00 | 3.75 | 1.875 | 3.50 | .500 | 2.00 | 520 |
| 364T | 29.70 | 6.12 | 14.25 | --- | 11.25 | 6.12 | 5.88 | 2.375 | 5.62 | .625 | 4.25 | 735 |
| 364TS | 27.58 | 6.12 | 14.25 | --- | 11.25 | 4.00 | 3.75 | 1.875 | 3.50 | .500 | 2.00 | 730 |
| 365T | 29.70 | 6.12 | 14.25 | 12.25 | --- | 6.12 | 5.88 | 2.375 | 5.62 | .625 | 4.25 | 775 |
| 365TS | 27.58 | 6.12 | 14.25 | 12.25 | --- | 4.00 | 3.75 | 1.875 | 3.50 | .500 | 2.00 | 770 |
| 404T | 34.00 | 6.88 | 16.00 | --- | 12.25 | 7.62 | 7.25 | 2.875 | 7.00 | .750 | 5.50 | 1045 |
| 404TS | 31.00 | 6.88 | 16.00 | --- | 12.25 | 4.62 | 4.25 | 2.125 | 4.00 | .500 | 2.75 | 1040 |
| 405T | 34.00 | 6.88 | 16.00 | 13.75 | --- | 7.62 | 7.25 | 2.875 | 7.00 | .750 | 5.50 | 1085 |
| 405TS | 31.00 | 6.88 | 16.00 | 13.75 | --- | 4.62 | 4.25 | 2.125 | 4.00 | .500 | 2.75 | 1080 |
| 444T | 39.56 | 8.25 | 19.00 | --- | 14.50 | 8.94 | 8.50 | 3.375 | 8.25 | .875 | 6.88 | 1735 |
| 444TS | 35.81 | 8.25 | 19.00 | --- | 14.50 | 5.19 | 4.75 | 2.375 | 4.50 | .625 | 3.00 | 1730 |
| 445T | 39.56 | 8.25 | 19.00 | 16.50 | --- | 8.94 | 8.50 | 3.375 | 8.25 | .875 | 6.88 | 1775 |
| 445TS | 35.81 | 8.25 | 19.00 | 16.50 | --- | 5.19 | 4.75 | 2.375 | 4.50 | .625 | 3.00 | 1770 |
| (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.

BALDOR

DIM SHT-250T-440T
SH 1 of 1

REV. DESC: LOADED TO BUS
REV. LTR: A
FILE: \RAG\00009\279
MTL: -

VERSION: 01
REVISED: 03:18:49 06/22/2010

TDR: 000000546464
BY: RAGHZT