

DUTY MASTER ALTERNATING CURRENT MOTORS

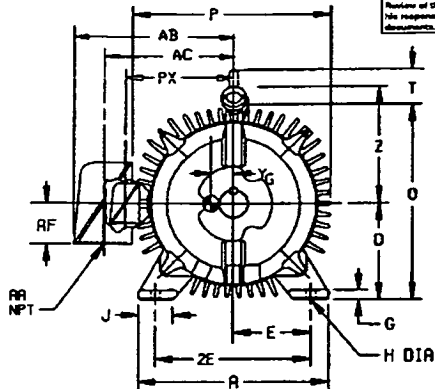
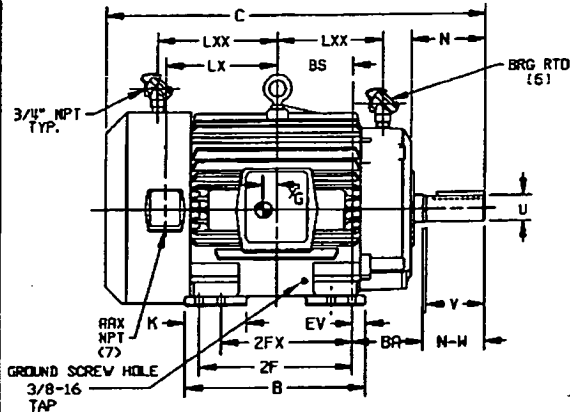
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES 404T THRU 445TS
BEARING RTD'S
841-XL

JACOBS ENGINEERING GROUP - CENTRAL REGION	
P.O. NO. 58-BK6560-HH000581	SERIAL NO. 1000
DATE 5/9/05	ITEM NO. 30-5091
SUBMITTAL DATE	
NO COMMENTS	
REVISIONS NOTED - REVISE, RESUBMIT, PROCEED WITH FABRICATION	
UNACCEPTABLE - DO NOT PROCEED WITH FABRICATION	
FOR INFORMATION ONLY	



PURCHASER: JACOBS ENGINEERING GROUP
USER: CHEVRON PHILLIPS CHEMICAL COMPANY
PROJECT: PSC RESTRUCTURING PROJECT
CUSTOMER P.O. NO.: 58-BK6560-HH000581
INSTALLED AT: PASADENA, TEXAS
SERVICE: PROPYLENE CHARGE PUMP MOTOR
SAP NO.: 10533878
EQUIP. NO.: 30-5091
SULZER S.O. NO.: 01724740
SULZER P.O. NO.: 01724740-004

DIMENSIONS ARE IN INCHES

FRAME	A	D(2)	E	G	H	J	K	D	P	T	CAST IRON TERMINAL BOX				BA	EV	LX	PX	AA)
											AA	AB	AC	AF					
404T-405TS	19.00	10.00	8.00	1.12	.81	3.25	4.62	21.31	22.50	2.94	3	19.25	15.06	4.12	6.62	1.13	9.62	14.44	3/4
444T-445TS	21.00	11.00	9.00	1.12	.81	3.25	5.25	23.38	25.25	3.25	3	22.19	17.44	6.00	7.50	1.25	11.12	15.25	3/4

REF NOTE 6) ONE SINGLE ELEMENT BEARING RTD AT EACH END: TAG NO. TE-57051
REF NOTE 7) TWO PER PHASE SINGLE ELEMENT WINDING RTD'S: TAG NO. TE-57050 A-F

FRAME SIZE	C	BS	B	2F	(4) 2FX	N	SHAFT AND KEY				LXX	WEIGHT LBS. (5)	X _G (8)	Y _G (8)	Z _G (8)
							N-W	UK3	V	SQ	LGTH				
404T	39.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	.750	5.62	11.00	1220	1.3	.6
404TS	35.31	6.88	16.00	---	12.25	4.50	4.25	2.125	4.00	.500	2.75	11.00	1211	1.2	.6
405T	39.31	6.88	16.00	13.75	---	7.50	7.25	2.875	7.00	.750	5.62	11.00	1260	1.0	.6
405TS	35.31	6.88	16.00	13.75	---	4.50	4.25	2.125	4.00	.500	2.75	11.00	1251	1.2	.6
444T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	.875	6.88	12.83	1670	1.2	.9
444TS	40.88	8.25	19.00	---	14.50	5.19	4.75	2.375	4.50	.625	3.00	12.83	1654	1.4	.9
445T	44.62	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	.875	6.88	12.83	1860	1.1	.8
445TS	40.88	8.25	19.00	16.50	---	5.19	4.75	2.375	4.50	.625	3.00	12.83	1844	1.3	.8

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

(2) 'D' VARIES — +.00, -.06.

(3) 'U' VARIES — UP TO 1.625 DIA. +.0000, -.0005
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) BEARING RTD'S EACH END WITH TERMINAL BOX.

(7) OPTIONAL AUXILIARY CONDUIT BOX SUPPLIED ONLY WHEN SPECIFIED.

(8) Ⓢ DENOTES CENTER OF GRAVITY.

X_G AND Y_G ±1.0 INCH

NEGATIVE X_G AND Y_G LOCATES C_G TO RIGHT OF FRAME CENTERLINE

(9) ROTOR WEIGHT=194.0 LBS.

CONDUIT BOXES LOCATED ON OPPOSITE SIDE WHEN F-2, V-1, V-4, V-5, V-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 .001 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .0015 T.I.R. BALL BEARINGS .002 T.I.R. ROLLER BEARINGS FOR LARGER DIAMETERS.

FRAME- 445TS TYPE- P CERTIFIED FOR- SULZER PUMPS
ORDER- 01724740-004 ITEM- 1 HP- 150 RPM- 3600 PH- 3 HZ 60 VOLTS 460
RELANCE SALES ORDER- 6764167 APPROVED BY- N. VANCE DATE 3/28/05

RELANCE ELECTRIC
CLEVELAND, OHIO 44117 U.S.A.

DR. BY B. CHRISTIAN
CK. BY L. FOURNIER
APP. BY J. H. PONTZER
DATE 9-16-92

DIMENSION SHEET

611740-700

ISSUE DATE: APRIL 2, 1996

6764167