

GLAMPING CAPSCREWS IN
SPLIT ADAPTER RING MUST
BE TIGHTENED TO 35 FT. LBS.
MIN. WRENCH TORQUE
ALTERNATELY TIGHTEN DIAMETRICALLY
OPPOSITE CAPSCREWS UNTIL SPECIFIED
WRENCH TORQUE NO LONGER TURNS
CAPSCREWS

SPLIT GLAND -
MAT'L CARBON STEEL

STUFFING BOX:—
TYPE STANDARD
PRESSURE RATING 150 PSIG. MAX
MAT'L 316 S/S

PACKING: 1/2" SQUARE
MATERIAL: U. CRANE #5810
NO. OF RINGS: FIVE
ABOVE LANTERN RING: TWO
BELOW LANTERN RING: THREE
LANTERN MAT'L: TEFLON

OUTPUT SHAFT
MAT'L. - 316 S/S

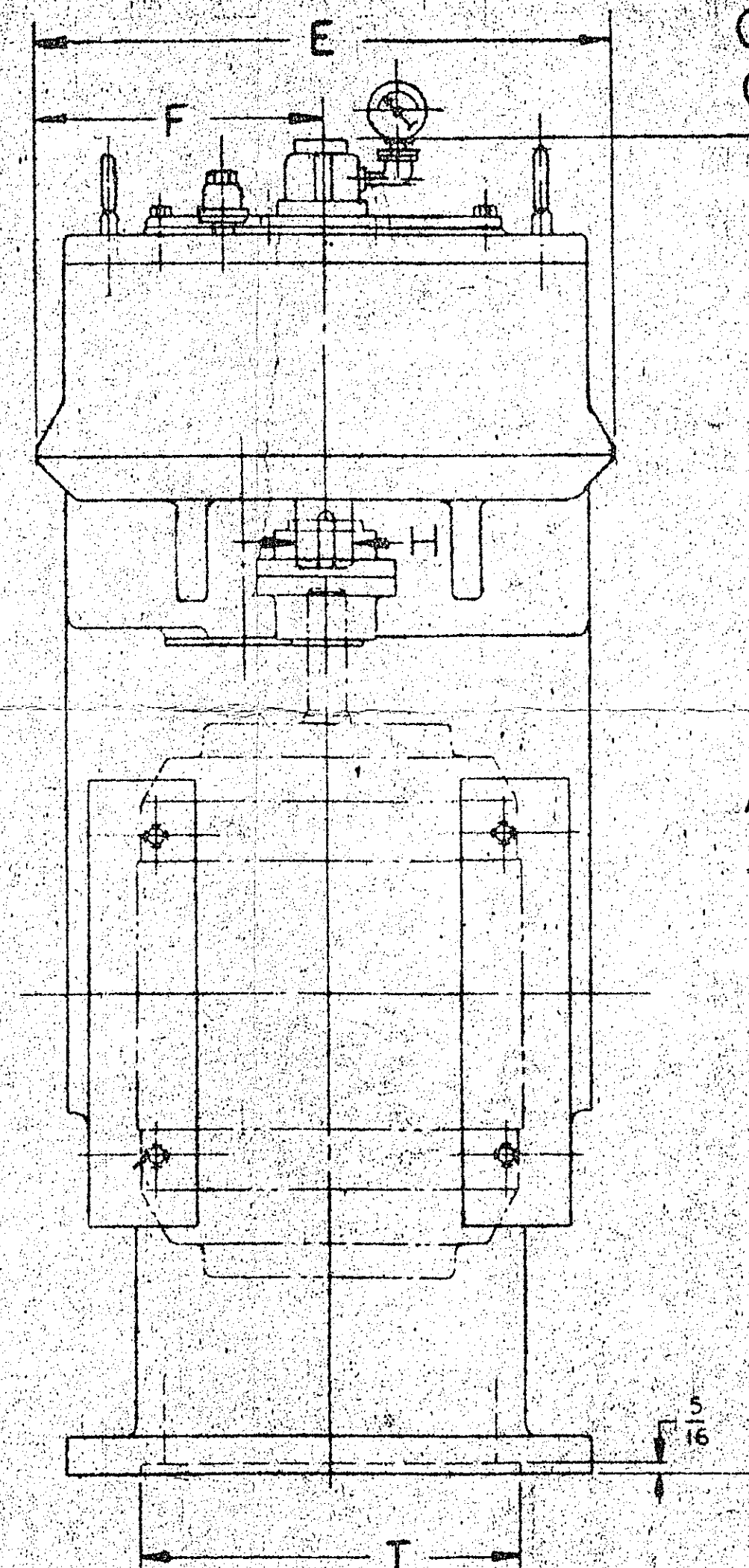
FLANGE TO MATE WITH
12 ASA STANDARD
150 LB FLANGE MOUNT
HOLES ON 4
FLANGE MATERIAL CARBON STL
FACED WITH 316 S/S

UPPER HALF - PHILA.
SPECIAL COUPLING
TAPER PINNED TO
SHAFT LOWER HALF -
PER DANIEL ENGI-
NEERS DWG. NO. 725
AND 726.

ANCHOR TYPE IMPELLERS
PER DANIEL ENGINEERS
DWG. NO. 725 & 726. MAT'L
OF CONSTRUCTION - 316 S/S

CUSTOMER AMERICAN HOECHST CORP.
CUST. ORDER NO. R-144334

ORDER NO.	834831
NO. RECD ON THIS ORDER	1
SERIAL NO.	81LLMD902
REDUCTION	TRIPLE



NOTE:

PM, HAS NO RESPONSIBILITY FOR THE DESIGN, ENGINEERING OR OPERATION OF EQUIPMENT SPECIFIED BY DANIEL ENGINEERS DRAWING NO. 725 AND 726 AGITATOR LASTLY PLANT. THIS AGITATOR IS TO BE CONSTRUCTED SAME AS ONE SUPPLIED ON PREVIOUS PM. ORDERS #B06872 & B15284 WHICH WERE CONSTRUCTED PER THE ABOVE DRAWINGS.

APPROX. WEIGHT OF UNIT = 1800 LBS WITHOUT IMPELLER

GEAR REDUCER SIZE 12 TYPE PTE RATIO 50.3:1
AT ¹⁸⁰⁰~~900~~ RPM SYNCHRONOUS MOTOR SPEED
FULL LOAD OUTPUT SPEED APPROX ³⁰~~15~~ RPM
AGMA CATALOG HP ^{22.5}~~11.5~~ ACTUAL SERVICE FACTOR 1.40
RECOMMENDED MIN. SERVICE FACTOR THIS ORDER 1.25

MOTOR DATA :- LOUIS ALLIS
FRAME 284T HP 157.5 RPM 1750/875
PHASE 3 CYCLE 60 VOLTS 460
ENCLOSURE EXPLOSION PROOF, CLASS I
GROUP D, DIV. I

SIZE	A	B	C	D	E	F	G	INPUT SHAFT			K	L	M	OUTPUT SHAFT			R	S	T	U	V	W	X	Y	Z
								H	J	N.S.				N	P	K.S.									
PTE-06	37 $\frac{1}{2}$	11 $\frac{7}{8}$	6 $\frac{1}{8}$	5 $\frac{5}{16}$	12 $\frac{1}{4}$	6 $\frac{1}{8}$	3 $\frac{1}{4}$	1 $\frac{1}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{4} \times \frac{1}{8}$	10	12	16 $\frac{27}{32}$	2 $\frac{1}{4}$	2 $\frac{5}{8}$	1 $\frac{1}{4} \times \frac{1}{4}$	3 $\frac{1}{4}$		7 $\frac{5}{8}$	9 $\frac{1}{4}$	21 $\frac{1}{2}$				
PTE-08	39 $\frac{15}{16}$	13 $\frac{15}{16}$	7	6 $\frac{3}{8}$	14	7	2 $\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	1 $\frac{1}{4} \times \frac{1}{8}$	14	13 $\frac{5}{16}$	18 $\frac{35}{32}$	3	3 $\frac{1}{16}$	1 $\frac{1}{4} \times \frac{1}{4}$	3 $\frac{1}{4}$		9 $\frac{1}{2}$	10 $\frac{3}{16}$	27				
PTE-10	42 $\frac{7}{8}$	15 $\frac{15}{16}$	7 $\frac{7}{8}$	7 $\frac{1}{8}$	15 $\frac{1}{4}$	7 $\frac{7}{8}$	2 $\frac{5}{32}$	1 $\frac{5}{8}$	2 $\frac{1}{4}$	3 $\frac{3}{8} \times \frac{3}{16}$	14	14 $\frac{17}{32}$	20 $\frac{31}{32}$	3 $\frac{1}{2}$	3 $\frac{15}{16}$	7 $\frac{7}{8} \times \frac{5}{16}$	1		9 $\frac{1}{2}$	12 $\frac{1}{16}$	29 $\frac{9}{32}$				
PTE-12	47 $\frac{3}{8}$	17 $\frac{11}{16}$	8 $\frac{5}{8}$	8 $\frac{1}{8}$	17 $\frac{7}{8}$	8 $\frac{15}{16}$	2 $\frac{1}{4}$	1 $\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{3}{8} \times \frac{3}{16}$	11 $\frac{1}{4}$	17 $\frac{5}{8}$	20 $\frac{31}{32}$	4	4 $\frac{11}{2}$	1 $\frac{1}{4} \times \frac{3}{8}$	1 $\frac{1}{8}$		11 $\frac{1}{2}$	13 $\frac{3}{8}$	33				
PTE-16	50	20 $\frac{15}{16}$	10 $\frac{1}{4}$	9 $\frac{1}{8}$	20 $\frac{3}{4}$	10 $\frac{3}{8}$	2 $\frac{1}{4}$	1 $\frac{3}{4}$	2 $\frac{5}{16}$	3 $\frac{3}{8} \times \frac{3}{16}$	14	18 $\frac{1}{16}$	22 $\frac{11}{32}$	5	5 $\frac{9}{16}$	1 $\frac{1}{4} \times \frac{7}{16}$	1 $\frac{1}{4}$		14 $\frac{1}{4}$	15 $\frac{15}{16}$	34 $\frac{7}{16}$				
PTE-20	56 $\frac{3}{8}$	22 $\frac{3}{4}$	11 $\frac{1}{8}$	10 $\frac{1}{8}$	22 $\frac{1}{2}$	11 $\frac{1}{16}$	2 $\frac{3}{4}$	1 $\frac{3}{4}$	2 $\frac{11}{16}$	3 $\frac{3}{8} \times \frac{3}{16}$	17 $\frac{1}{2}$	20 $\frac{13}{32}$	25 $\frac{7}{16}$	5 $\frac{1}{2}$	6 $\frac{1}{16}$	1 $\frac{1}{4} \times \frac{7}{16}$	1 $\frac{3}{8}$		16	17 $\frac{1}{8}$	39 $\frac{1}{4}$				
PTE-24	64 $\frac{5}{8}$	22 $\frac{3}{4}$	13 $\frac{1}{16}$	11 $\frac{1}{8}$	26 $\frac{3}{8}$	13 $\frac{3}{16}$	2 $\frac{13}{16}$	2	3 $\frac{1}{16}$	1 $\frac{1}{2} \times \frac{1}{4}$	17 $\frac{1}{2}$	21 $\frac{21}{16}$	30 $\frac{5}{16}$	6	6 $\frac{11}{16}$	1 $\frac{1}{2} \times \frac{1}{2}$	1 $\frac{1}{2}$		18	18 $\frac{9}{16}$	44 $\frac{5}{16}$				
PTE-30	86 $\frac{7}{8}$	30 $\frac{5}{8}$	15 $\frac{5}{8}$	12 $\frac{5}{8}$	31 $\frac{1}{4}$	15 $\frac{5}{8}$	4 $\frac{1}{4}$	2 $\frac{1}{4}$	4 $\frac{3}{16}$	1 $\frac{1}{2} \times \frac{1}{4}$	17 $\frac{1}{2}$	22 $\frac{7}{8}$	50 $\frac{1}{16}$	7	7 $\frac{1}{8}$	1 $\frac{3}{4} \times \frac{5}{8}$	1 $\frac{3}{4}$		21	22 $\frac{1}{16}$	63 $\frac{1}{4}$				

NOT TO BE USED FOR CONSTRUCTION
UNLESS CERTIFIED

PHILADELPHIA MIXERS
DIVISION OF PHILADELPHIA GEAR CORPORATION
CERTIFIED DATA
NAME Edwards, C. W. DATE 6-2-85

114216
AGITATOR

LIQ ID IN VESSEL _____
 VESSEL TEMP 390°F
 VESSEL PRESS. 60 PSI @ FULL VAC

[illegible]