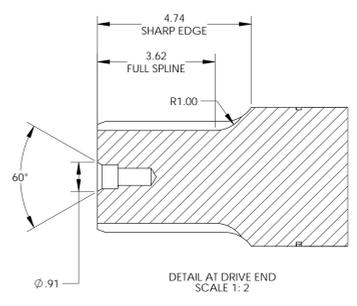
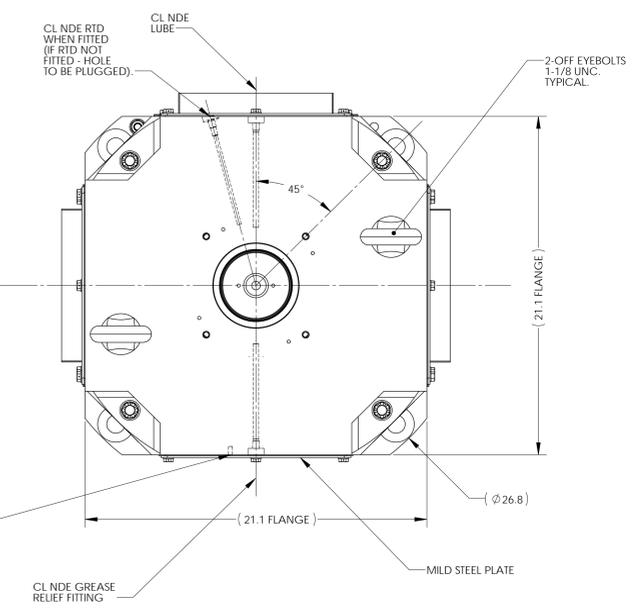
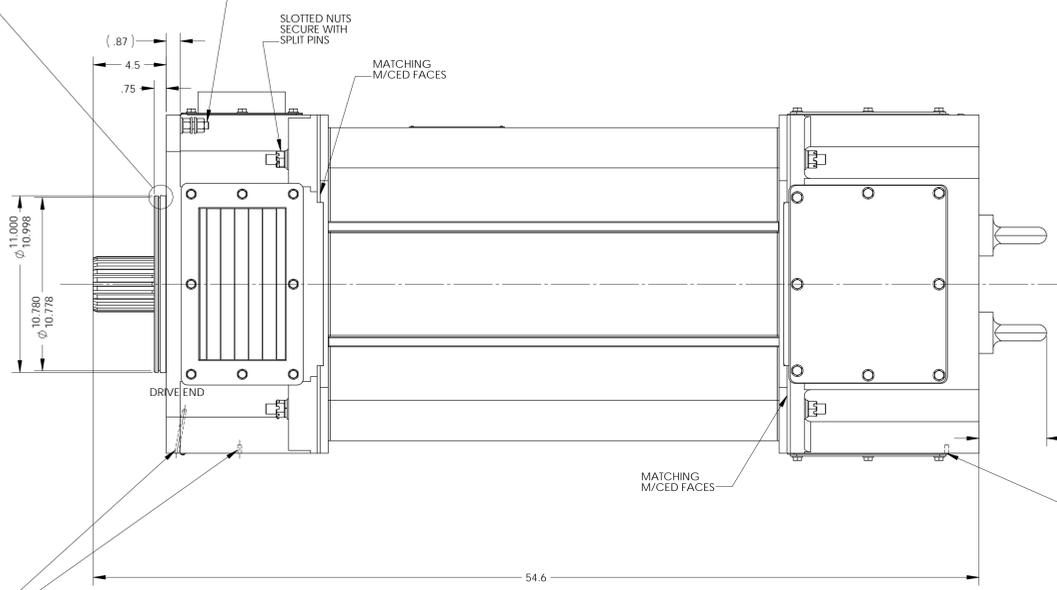
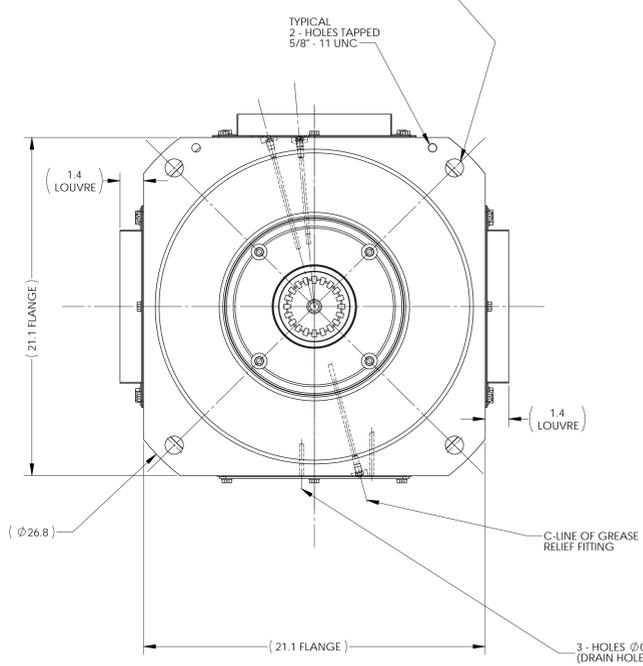


TYPICAL POSITION FOR EARTH STUD 1/2" UNC MINIMUM SECURED BY LOCKNUT (EARTH STUD AND FITTINGS ARE ZINC PLATED). EARTH STUD TO BE A CLEAN CONNECTION FITTED PRIOR TO PAINTING.

TYPICAL 4 - HOLES 1-1/8" EQUI-SPACED ON A 24-7/16" P.C.D.

TYPICAL 2 - HOLES TAPPED 5/8" - 11 UNC



EXTERNAL INVOLUTE SPLINE DATA TO ANSI B92.1-1996 (EXCEPT MAJOR DIAMETER TO CUSTOMER SPECIFICATION). (SPLINE DIMENSIONS ARE IN INCHES)	
FLAT ROOT SIDE FIT	
TOLERANCE CLASS	5
NUMBER OF TEETH	20
SPLINE PITCH	6/12
PRESSURE ANGLE	30°
BASE DIA.	2.886751" REF
PITCH DIAMETER	3.333333" REF
MAJOR DIAMETER (CUST SPEC.)	3.46573.455"
FORM DIAMETER	3.160"
MINOR DIAMETER	3.093" MIN
CIRCULAR TOOTH THICKNESS (MAX EFFECTIVE)	0.2618"
CIRCULAR TOOTH THICKNESS (MIN ACTUAL)	0.25285"
MIN MEASUREMENT OVER PINS (REF)	3.8225" REF
PIN DIAMETER	0.3200"
SPLINE END ONLY INDUCTION HARDENED TO Rc. 48 MIN.	

NAMEPLATE DATA
 600 Hp
 575 VOLTS
 BASE 60 Hz
 610 AMPS FULL LOAD
 296 AMPS NO LOAD
 3 PHASE
 6 POLES
 1180 rpm
 2360 rpm MAX
 IP 44
 IC 17

BEARINGS:
 DRIVE END N222 RADIAL CYLINDRICAL ROLLER BEARING (110 X 200 X 38)
 NON-DRIVE END QJ222N2MA 4-POINT ANGULAR CONTACT BALL BEARING (110 X 200 X 38)

OIL SEALS:
 DRIVE END INTERNAL - GACO MIS 412 OR EQUIVALENT MATERIAL - VITON 75 (4 3/4" X 5.750" X 1/2")
 DRIVE END EXTERNAL - GACO SM11013012 OR EQUIVALENT MATERIAL - VITON 75 (110mm X 130mm X 12mm)
 NON DRIVE END EXTERNAL - GACO MIS 43 OR EQUIVALENT MATERIAL - VITON 75 (4 3/16" X 5.250" X 1/2")

O' RING - PARKER 2-275 MATERIAL - ETHYLENE PROPYLENE (10.484" I/D X 0.139" SECT).

THIS DRAWING RELATES TO A CERTIFIED PRODUCT AND MUST NOT BE REVISED WITHOUT APPROVAL OF THE AUTHORIZED PERSON.
 SEE WL INSTRUCTION EOI 04-0025 FOR ASSOCIATED CERTIFIED DRAWINGS.
 REF. IEC 60079-0 (8.1 & 17.4.3)
 PARTS DO NOT CONTAIN MORE THAN 6% MAGNESIUM

CONNECTION TO MOTOR CABLES MUST BE MADE WITH SUITABLE ATEX APPROVED CONNECTORS (PLUG/ SOCKET) FITTED BY SUITABLY TRAINED PERSONNEL. DO NOT SEPARATE CABLE CONNECTORS WHEN ENERGIZED. DO NOT OPEN TERMINAL BOX LID WHEN MOTOR IS ENERGIZED. CABLES MUST BE SUITABLY SECURED AT REGULAR INTERVALS.

THE PRESSURE SWITCH AND ENCODER MUST BE WIRED THROUGH AN INTRINSICALLY SAFE BARRIER. THE MOTOR DOES NOT INCLUDE AN INTRINSICALLY SAFE BARRIER.

GASKET FITTED UNDER ALL PLATES ON NON DRIVE END BRACKET.

GASKET MATERIAL 60 DUROMETER SILICONE OR EQUIVALENT. GASKET MATERIAL MUST BE "ONE PIECE". CENTER TO BE REMOVED ONLY. DO NOT CUT MATERIAL SURROUNDING HOLE.

BLOWER OR DUCTING FOR AIRFLOW MAY BE MADE TO EITHER OF 2 SIDE OPENINGS AT NON-DRIVE END.

ALL BOLTS ARE SECURED WITH LOCTITE 242 AND SAFETY WIRE WHERE POSSIBLE.
 SEE WORK ORDER PO FOR FINISH DETAILS.
 DIMENSIONS IN BRACKETS ARE REFERENCE DIMENSIONS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS: .XX ± 0.015 DECIMALS: .XXX ± 0.010 DECIMALS: .XXXX ± 0.005 ANGLES: .XX ± 0.25°	MATERIAL: FINISH: SURFACE FINISH: 125/V BREAK ALL SHARP EDGES DO NOT SCALE DRAWING	Ward Leonard	Ward Leonard Electric Company Inc. Thomaston, CT 06787
		TITLE: OUTLINE DRAWING 600HP	
DRAWN BY: RJL DRAWN DATE: 20JUN2012 CHECKED: LCG APPROVED: LCG DATE: 20JUN2012 APPROVAL:		SIZE: E CAGE CODE: 63743 SCALE: 1:4	DWG NO: WL250060VSSAH WT: LBS SHEET 1 OF 1

THIS DRAWING IS THE PROPERTY OF WARD LEONARD ELECTRIC COMPANY INC., THOMASTON, CT. THIS DOCUMENT AND/OR THE INFORMATION CONTAINED HEREIN SHALL NOT BE DUPLICATED, USED, LOANED, OR DISCLOSED IN WHOLE OR IN PART FOR THE MANUFACTURE OR PROCUREMENT OF ANY ITEM OR ITEMS SHOWN ON OR THEREBY WITHOUT THE WRITTEN CONSENT OF WARD LEONARD ELECTRIC COMPANY INC. THIS PRINT IS LOANED SUBJECT TO RETURN ON DEMAND.

