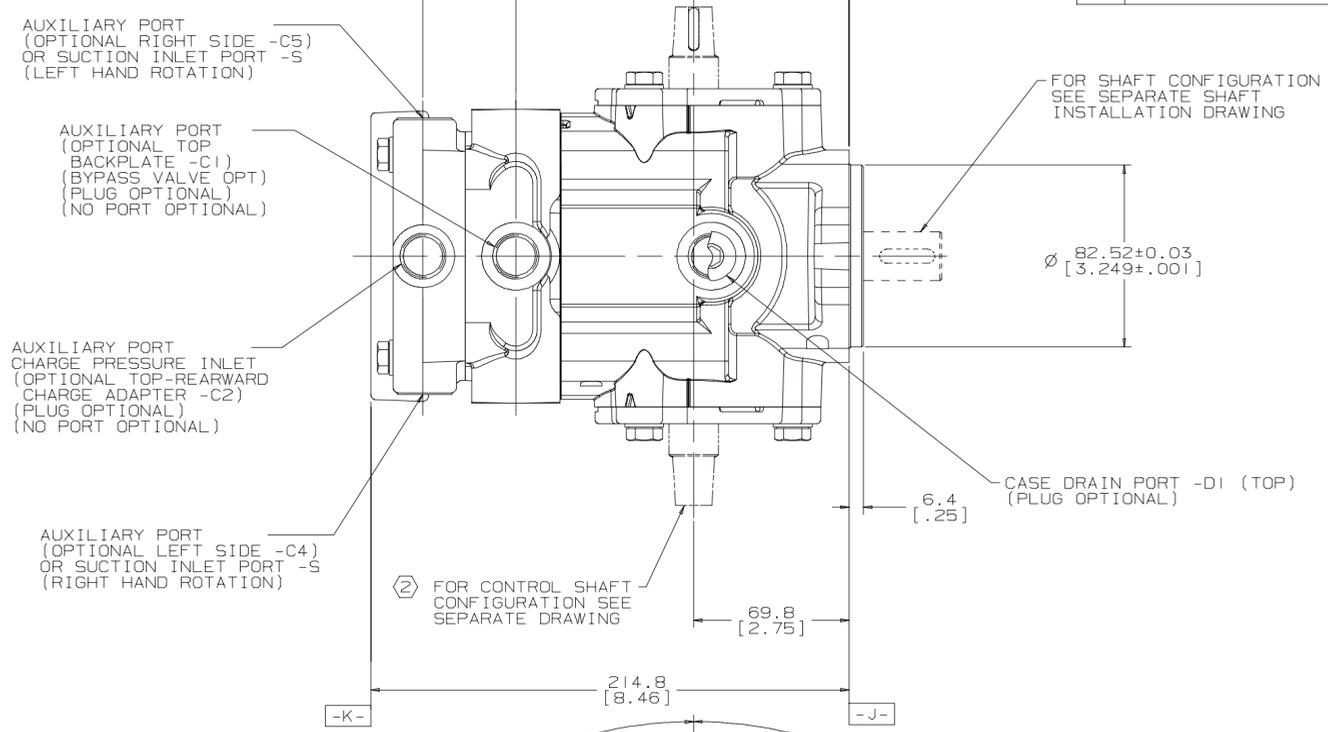
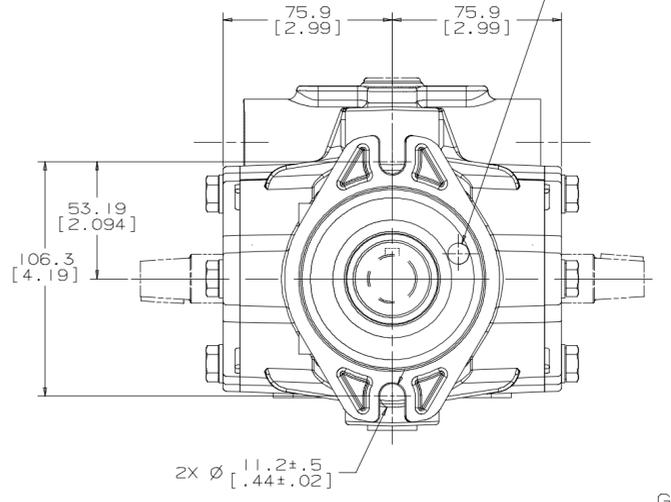
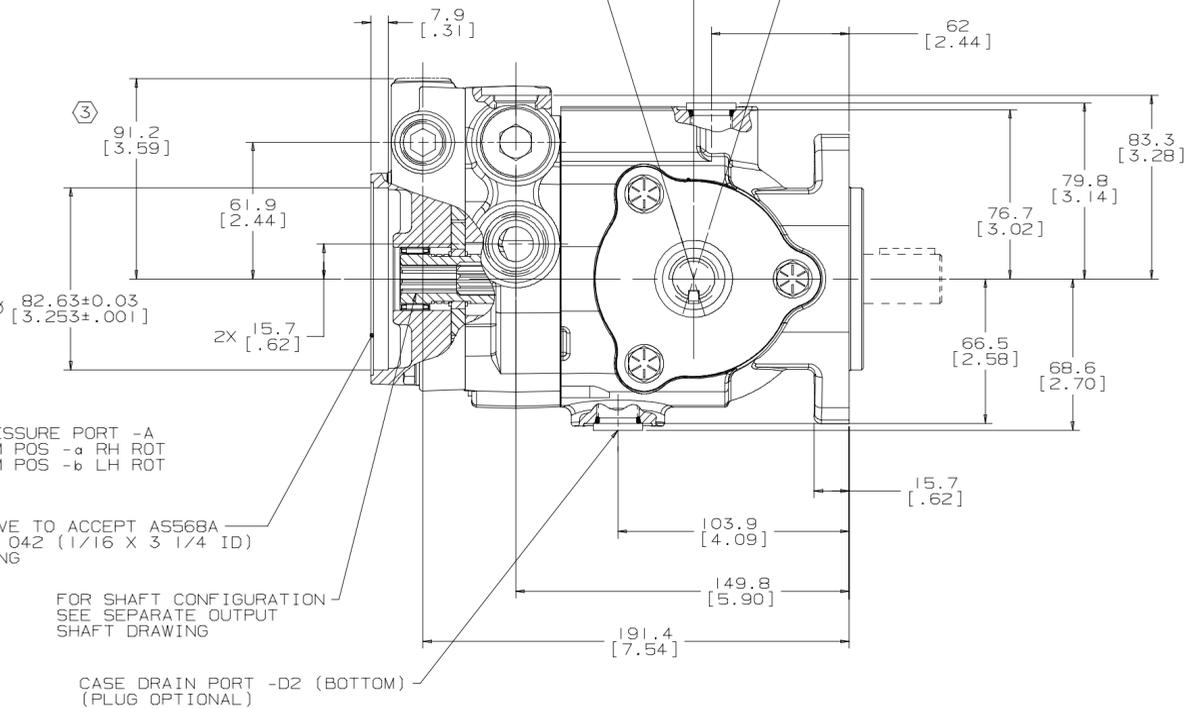
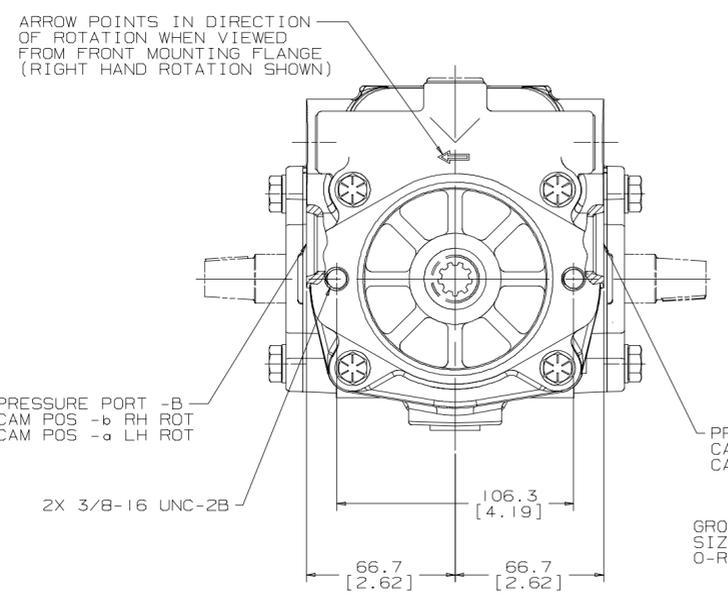


REV	DESCRIPTION	BY	CHK	DATE	ECN
A	ENGINEERING RELEASE	DLL	SSW	1-11-2000	M22683
B	REVISED	DLL	SSW	2-26-01	M25102
C	REVISED	DLL	SSW	11-20-02	39352

NOTE  
 1 UNIT MUST BE INSTALLED IN SUCH A POSITION THAT THE CASE DRAIN ASSURES AN OIL LEVEL AT OR ABOVE UNIT CENTERLINE. OIL LEVEL MUST BE AT CENTERLINE OR ABOVE BEFORE STARTING  
 2 OPTIONAL FEATURE LOCATION MAY BE EITHER RIGHT SIDE OR LEFT SIDE  
 3 DIMENSION WHEN PORT IS NOT PRESENT



17° MAX STROKE FOR 20.3 cm<sup>3</sup>/r [1.24 in<sup>3</sup>/r] DISP UNITS  
 19.5° MAX STROKE FOR 23.6 cm<sup>3</sup>/r [1.44 in<sup>3</sup>/r] DISP UNITS  
 CAM POS a BLEED OFF VALVE WILL FUNCTION IN THIS CAM POSITION (OPTIONAL)  
 CAM POS b BLEED OFF VALVE WILL FUNCTION IN THIS CAM POSITION (OPTIONAL)



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN		DRAWING BASED ON ANSI Y14.5M-1982	
INCHES <input type="checkbox"/>	MILLIMETERS <input checked="" type="checkbox"/>	THE REPRODUCTION, DISTRIBUTION, AND UTILIZATION OF THIS DOCUMENT, AS WELL AS THE COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPLICIT AUTHORIZATION, IS PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHTS RESERVED IN THE EVENT OF THE GRANT OF A PATENT, UTILITY MODEL, OR DESIGN.	
TOLERANCES			
.X	----		
.XX	----	DRAWN BY/DATE DLL 1-5-00	MATERIAL/HEAT TREAT
.XXX	----	CHECKED BY/DATE SSW 3-17-00	
<	----	ENGRD BY/DATE SSW 3-17-00	TITLE
UNSPECIFIED RADII ARE	----	METALLURGY----	SERIES 160 PISTON PUMP INSTALLATION
UNSPECIFIED DRAFT ANGLES ARE	----	BY/DATE	NUMBER
----	----		A-1302-024
DRAWING FORMAT	DO NOT SCALE	ARITHMETICAL AVERAGE	SCALE 1/1
CADD <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/>			SHEET 1 OF 1