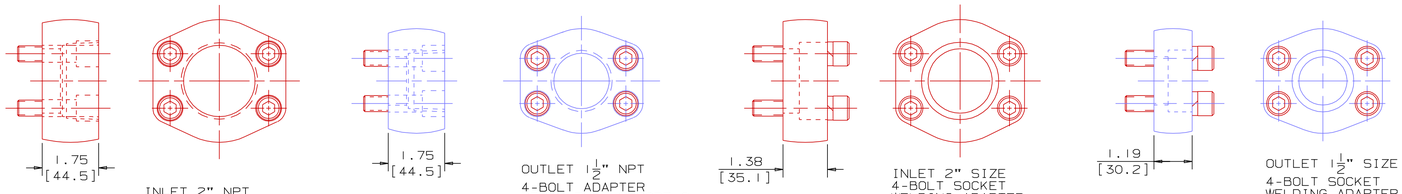
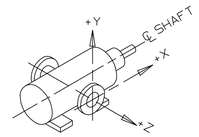


OPTIONAL PORT ADAPTERS



COORDINATE SYSTEM FOR MAXIMUM PUMP FORCES (F) AND MOMENTS (M)

INLET:

FX=150 LBF[667 N]	MX=250 LB FT[339 N·m]
FY=150 LBF[667 N]	MY=250 LB FT[339 N·m]
FZ=150 LBF[667 N]	MZ=250 LB FT[339 N·m]

OUTLET:

FX=113 LBF[500 N]	MX=188 LB FT[254 N·m]
FY=113 LBF[500 N]	MY=188 LB FT[254 N·m]
FZ=113 LBF[500 N]	MZ=188 LB FT[254 N·m]

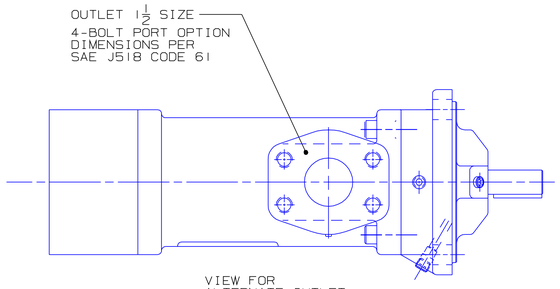
FORCE AND MOMENT VALUES ARE RELATIVE TO CENTER OF INLET AND OUTLET PORT FACES.

REVISION HISTORY

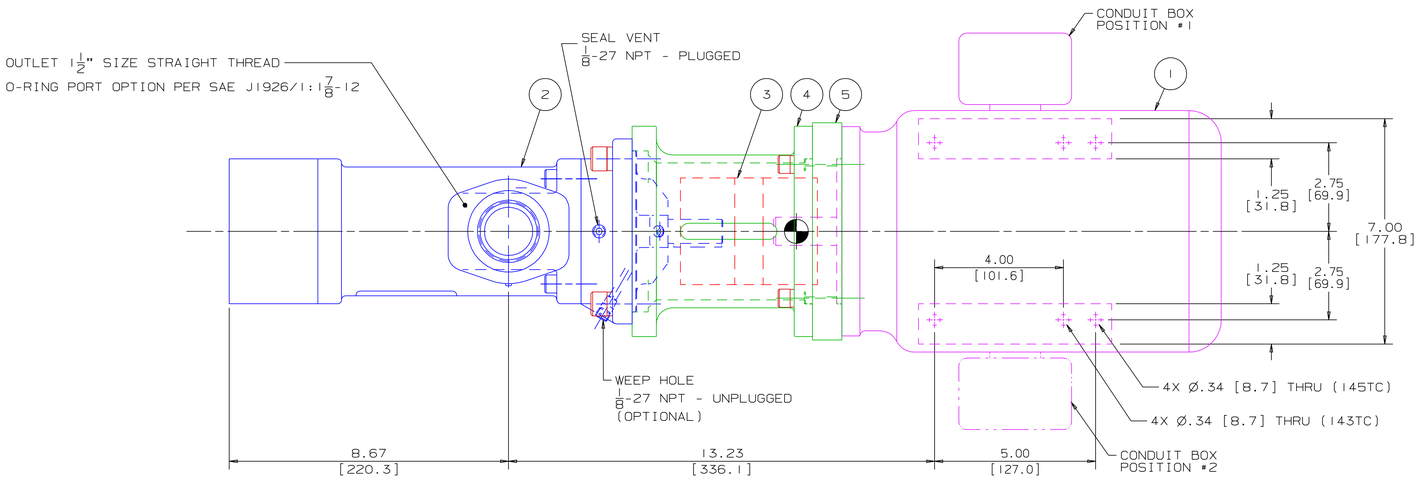
CHG NO	ZONE	REV	DESCRIPTION	DATE	BY	APPROVED

ITEM	DESCRIPTION	APPROXIMATE WEIGHT LBS	APPROXIMATE WEIGHT KILOGRAMS	MATERIAL
1	MOTOR ✳ (143TC & 145TC)	68.0	30.8	
2	PUMP	44.0	20.0	
3	COUPLING, LOVEJOY L-110	6.0	2.7	
4	BRACKET	2.2	1.0	ALUMINUM
5	BRACKET ADAPTER	1.0	0.5	ALUMINUM
	TOTAL	121.2	55.0	

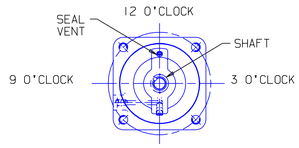
✳ DRIVER DIMENSIONS MAY VARY WITH TYPE AND MAKE OF DRIVER



VIEW FOR ALTERNATE OUTLET CONFIGURATION



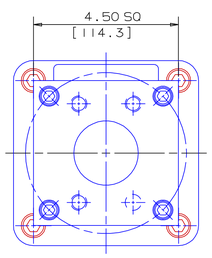
DRAWING CERTIFICATION



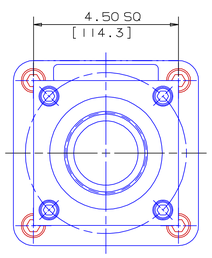
	CUSTOMER NAME ----------
	CUSTOMER PO NUMBER ---------
	CUSTOMER PART NUMBER -------
	UNIT BOM NUMBER ----------
PUMP	PUMP TYPE ----------
PUMP	SHAFT ROTATION ----------
PUMP	INLET PORT OPTION ----------
PUMP	OUTLET PORT OPTION ---------
PUMP	INLET PORT ORIENTATION -----
PUMP	OUTLET PORT ORIENTATION ----
PUMP	INLET ADAPTER OPTION -------
PUMP	OUTLET ADAPTER OPTION ------
PUMP	RELIEF VALVE SET PRESSURE, IF APPLICABLE ----------
MOTOR	MOTOR MANUFACTURER ---------
MOTOR	TYPE ----------
MOTOR	FRAME ----------
MOTOR	POWER ----------
MOTOR	ROTATING SPEED ----------
MOTOR	PHASE(S) ----------
MOTOR	FREQUENCY ----------
MOTOR	VOLTAGE ----------
MOTOR	CONDUIT BOX POSITION -------
MOTOR	MOTOR INSTALLED BY ---------
	CERTIFIED BY ----------
	IMO ORDER NUMBER ----------
	CERTIFICATION DATE ---------
	CERTIFICATION REV. NO. -----

NOTES:

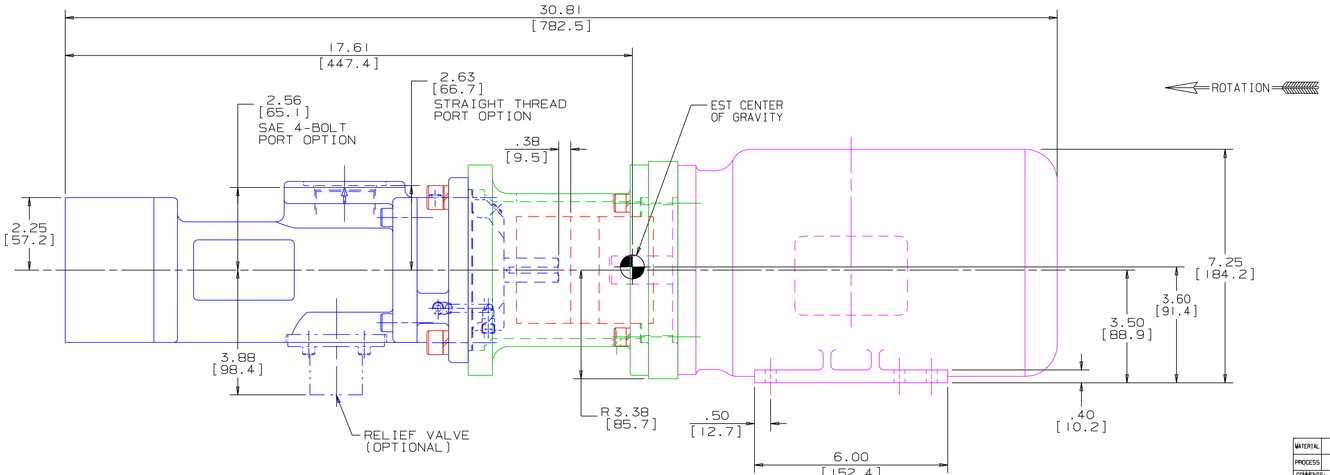
VIEWS FOR ALTERNATE AXIAL INLET PORT CONFIGURATION



END VIEW
INLET 2" SIZE
4-BOLT PORT OPTION
DIMENSIONS PER
SAE J518 CODE 61



END VIEW
INLET 2" SIZE
STRAIGHT THREAD
O-RING PORT OPTION PER
SAE J1926/1:2½-12



NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.
2. THIS IS A STANDARD PRE-ENGINEERED UNIT OUTLINE. ANY CHANGES OUTSIDE OF THE CERTIFICATION BLOCK WILL REQUIRE A NEW DRAWING ASSIGNMENT.
3. APPROXIMATE WEIGHT AND ESTIMATED C/G DO NOT INCLUDE OPTIONAL ADAPTERS OR OPTIONAL RELIEF VALVE.
4. TO MAXIMIZE SEAL LIFE, SEAL VENT MUST BE ORIENTED UPWARD (12 O'CLOCK) WHEN PUMP IS INSTALLED HORIZONTALLY. VENT ORIENTATION IS NOT CRITICAL WHEN PUMP IS INSTALLED WITH SHAFT VERTICALLY UPWARD.
5. ALTERNATE PORT ORIENTATIONS ARE PROVIDED IF SPECIFIED ON ORDER. AVAILABLE ORIENTATIONS ARE 3,6,9, AND 12 O'CLOCK.

WEB ADDRESS: WWW.IMO-PUMP.COM EMAIL: IMO.PUMP@COLFAXCORP.COM

DRAWN	DMM	9-18-01
CHECKED	DMM	10-4-01
APPD	DMM	10-4-01
METHODS		

MATERIAL
PROCESS

COMMENTS:
STANDARD ROTATION IS CLOCKWISE WHEN VIEWED FROM COUPLING END OF PUMP. SUCTION STRAINER AND DISCHARGE RELIEF VALVE MUST BE PROVIDED.
ALIGNMENT:
UNITS ARE ACCURATELY ALIGNED AT THE FACTORY. ALIGNMENT SHOULD BE CHECKED BEFORE STARTING TO ENSURE THAT IT IS STILL WITHIN .005 [0.13] F.I.M.
PRESTARTING:
FLUSH SUCTION PIPING BEFORE CONNECTING PUMP. PRIME AND VENT PUMP. DO NOT START PUMP WITH VALVES CLOSED. READ INSTRUCTION MANUAL FOR DETAILS BEFORE STARTING.

Imo Pump
1710 Airport Road
PO Box 5020
Monroe, NC USA
28111.5020

TITLE
OUTLINE UNIT STANDARD (IRON)
AA3G/_____143/162___

THIRD ANGLE PROJECTION | FIRST ORDER EB122A | USED ON

SIZE	CAGE CODE	DWG NO
F	59180	SDD19837

SCALE 1/2 | WEIGHT SEE ABOVE | SHEET 1 OF 1

IRON 3G-143/162 UNIT