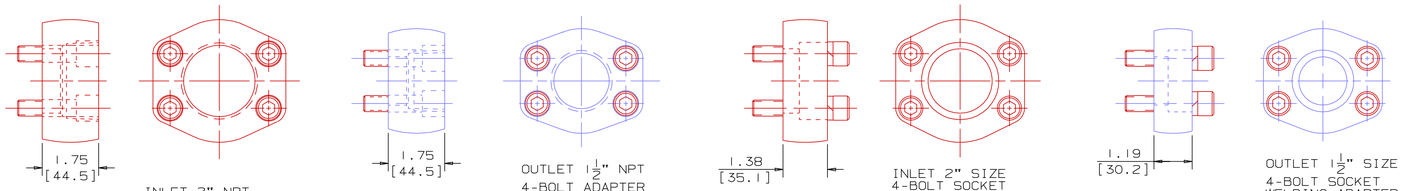
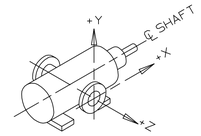


OPTIONAL PORT ADAPTERS



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]

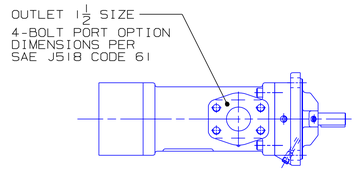
FORCE AND MOMENT VALUES ARE RELATIVE TO CENTER OF INLET AND OUTLET PORT FACES.

REVISION HISTORY

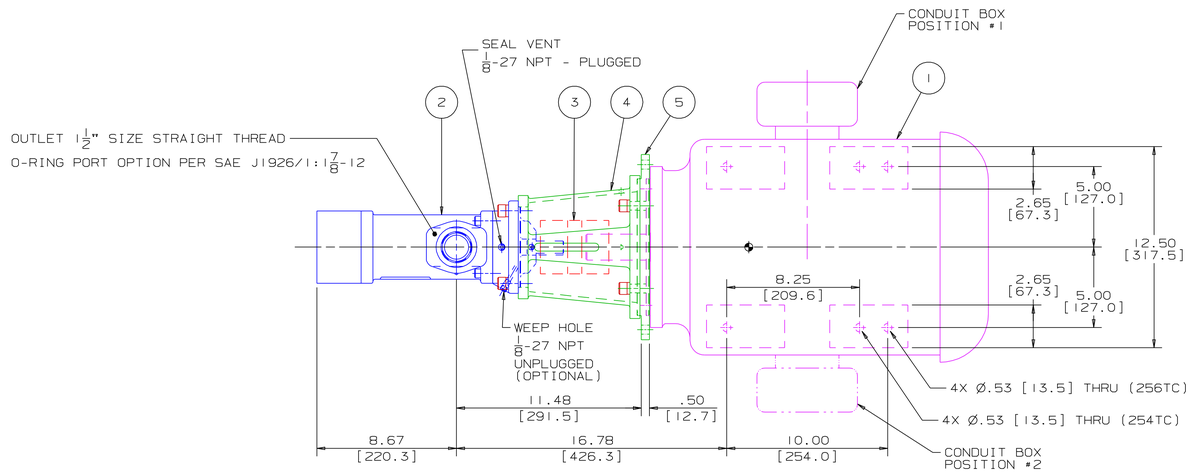
CHG NO	ZONE	REV	DESCRIPTION	DATE	BY	APPROVED

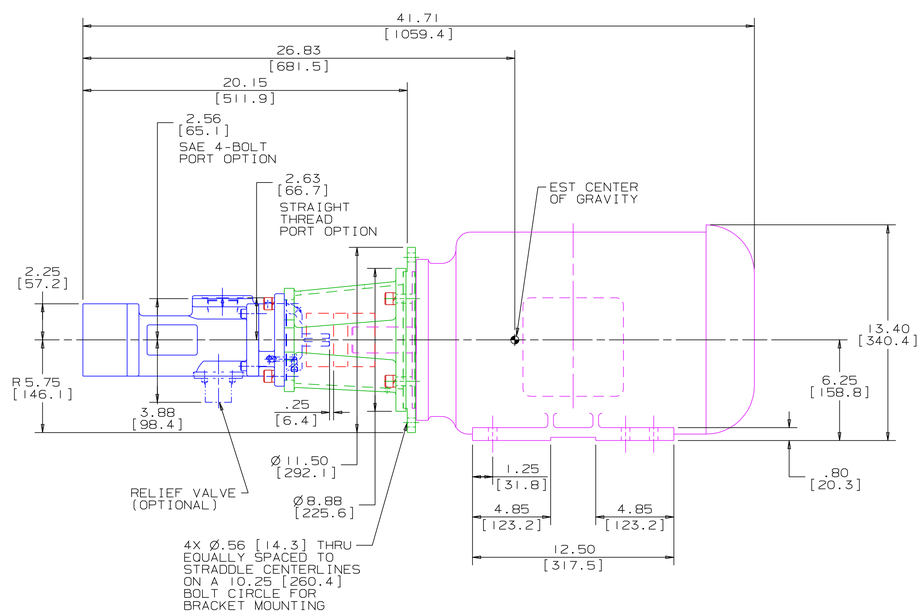
ITEM	DESCRIPTION	APPROXIMATE WEIGHT LBS	APPROXIMATE WEIGHT KG	MATERIAL
1	MOTOR• (254TC & 256TC)	298.0	135.1	
2	PUMP	44.0	20.0	
3	COUPLING, LOVEJOY L-110	6.0	2.7	
4	BRACKET	5.0	2.3	ALUMINUM
5	BRACKET ADAPTER	1.0	0.5	ALUMINUM
	TOTAL	354.0	160.6	

• DRIVER DIMENSIONS MAY VARY WITH TYPE AND MAKE OF DRIVER. THE MOTOR MOUNTING FLANGE DIAMETER VARIES SIGNIFICANTLY FOR SOME MANUFACTURERS WHICH CAN PREVENT THE USE OF THE VERTICAL MOUNTING HOLES IN THE ADAPTER PLATE. CHECK THE MOTOR MANUFACTURER DIMENSIONS TO MAKE SURE THE MOTOR FLANGE DIAMETER (BD) DOES NOT EXCEED 9 1/2" IF USING BRACKET MOUNTING.

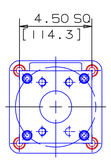


VIEW FOR ALTERNATE OUTLET CONFIGURATION

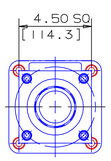




VIEWS FOR ALTERNATE AXIAL INLET PORT CONFIGURATION

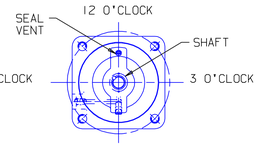


END VIEW
INLET 2" SIZE
4-BOLT PORT OPTION
DIMENSIONS PER
SAE J518 CODE 61



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

DRAWING CERTIFICATION



CUSTOMER NAME ----------

CUSTOMER PO NUMBER ---------
CUSTOMER PART NUMBER -------

UNIT BOM NUMBER ----------

PUMP
PUMP TYPE ----------
SHAFT ROTATION ----------
INLET PORT OPTION ----------
OUTLET PORT OPTION ---------
INLET PORT ORIENTATION -----
OUTLET PORT ORIENTATION ----
INLET ADAPTER OPTION -------
OUTLET ADAPTER OPTION ------
RELIEF VALVE SET PRESSURE,
IF APPLICABLE ----------

MOTOR
MOTOR MANUFACTURER ---------
TYPE ----------
FRAME ----------
POWER ----------
ROTATING SPEED ----------
PHASE(S) ----------
FREQUENCY ----------
VOLTAGE ----------
CONDUIT BOX POSITION -------
MOTOR INSTALLED BY ---------

CERTIFIED BY ----------
IMO ORDER NUMBER ----------
CERTIFICATION DATE ---------
CERTIFICATION REV. NO. -----

NOTES:

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	9-19-01
CHECKED	DMM	10-5-01
APPD	DMM	10-5-01
METHODS		

MATERIAL
PROCESS

COMENTS:
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.

THIRD ANGLE PROJECTION
FIRST ORDER EB122A
USED ON

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

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

SIZE	CAGE CODE	DWG NO
F	59180	SDD2025 1

SCALE 1/4 WEIGHT SEE ABOVE SHEET 1 OF 1

IRON 3G-143/162 UNIT