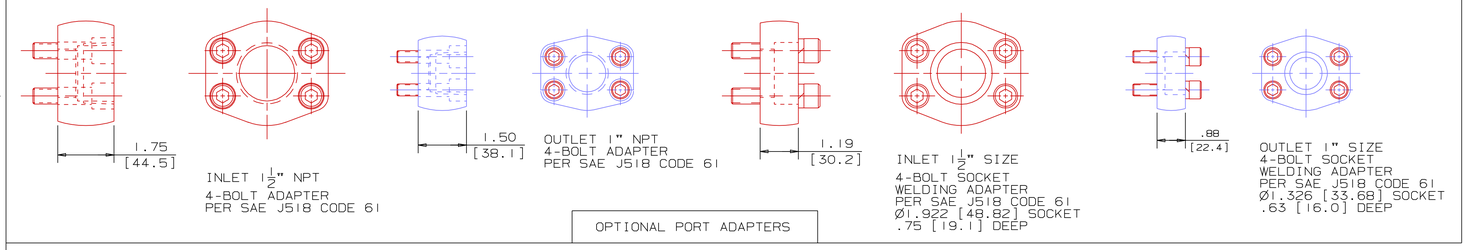
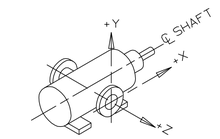


OPTIONAL PORT ADAPTERS



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

INLET:
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]

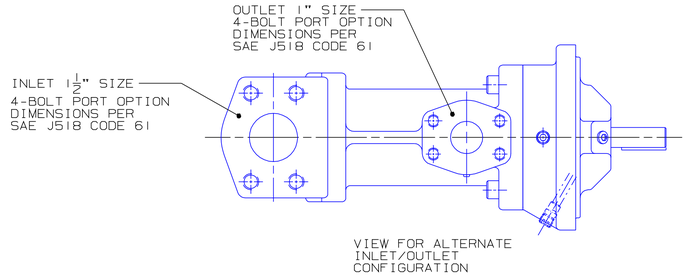
OUTLET:
FX= 75 LBF[334 N] MX=125 LB FT[169 N·m]
FY= 75 LBF[334 N] MY=125 LB FT[169 N·m]
FZ= 75 LBF[334 N] MZ=125 LB FT[169 N·m]

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

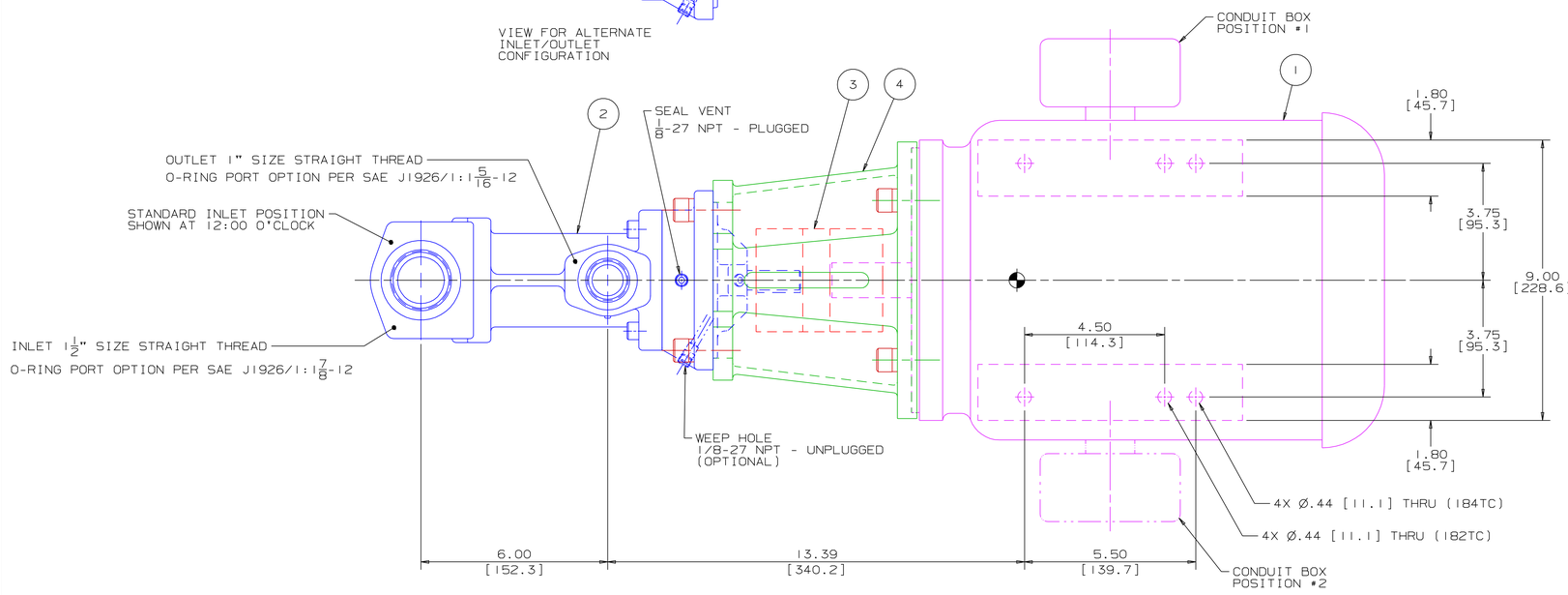
REVISION HISTORY						
CHG NO	ZONE	REV	DESCRIPTION	DATE	BY	APPROVED
01-0007	C2	1	REMOVED GENERIC NOTES, ADDED CERTIFICATION NOTES	1-4-01	DAV	BMR
01-0425	ALL	2	UPDATED NOTES, CERTIFICATION BLOCK,	10-2-01	DMM	DMM
			ADAPTERS AND INLET/OUTLET CALLOUTS			

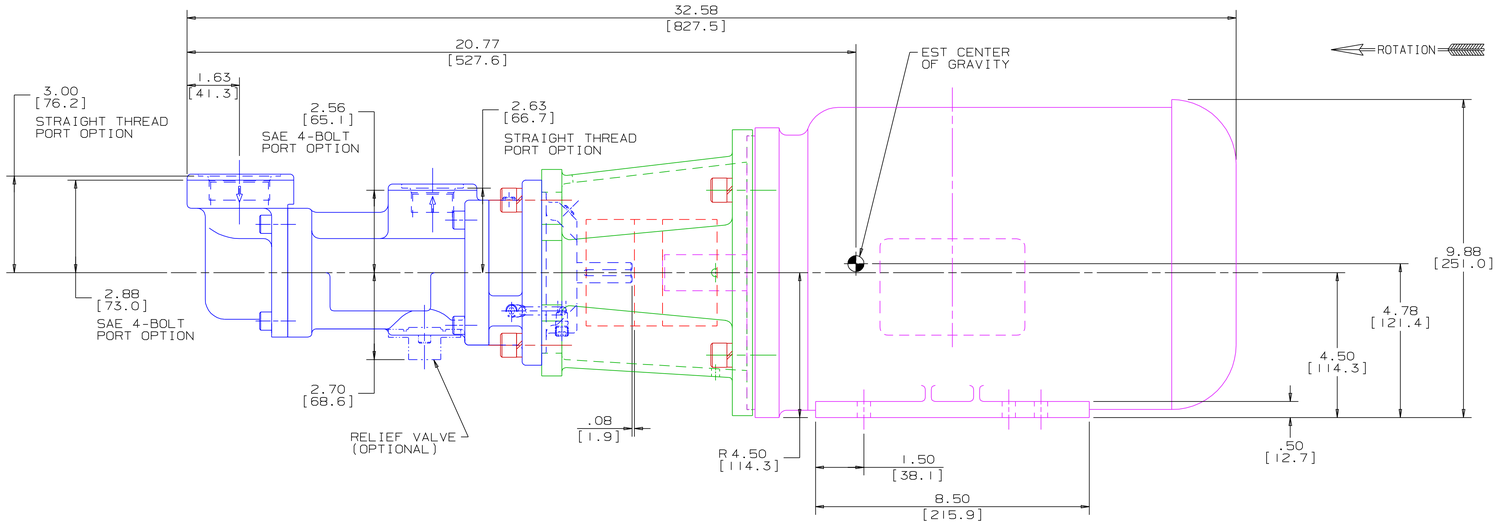
ITEM	DESCRIPTION	APPROXIMATE WEIGHT LBS	APPROXIMATE WEIGHT KG	MATERIAL
1	MOTOR✳ (182TC & 184TC)	125.0	56.7	
2	PUMP	34.0	15.4	
3	COUPLING, LOVEJOY L-110	6.0	2.7	
4	BRACKET	4.5	2.0	ALUMINUM
	TOTAL	169.5	76.8	

✳DRIVER DIMENSIONS MAY VARY
WITH TYPE AND MAKE OF DRIVER

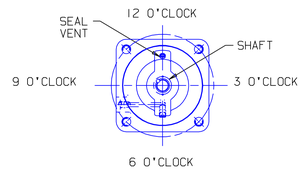


VIEW FOR ALTERNATE
INLET/OUTLET
CONFIGURATION





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	BMR	10-28-99
CHECKED	WLW	12-15-99
APPD	WLW	12-15-99
METHODS		

MATERIAL:
PROCESS:

COMMENTS:
STANDARD ROTATION IS CLOCKWISE WHEN VIEWED FROM COUPLING END OF PUMP. SUCTION STRAINER AND DISCHARGE END OF 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] FIM.
PRESTARTING:
FLOW 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/_____118__

THIRD ANGLE PROJECTION	FIRST ORDER	SIZE	CAGE CODE	DWG NO
	5011263	F	59180	SDD19819
USED ON: 3525/011-1		SCALE 1/2	WEIGHT SEE ABOVE	SHEET 1 OF 1

IRON 3G-118 UNIT