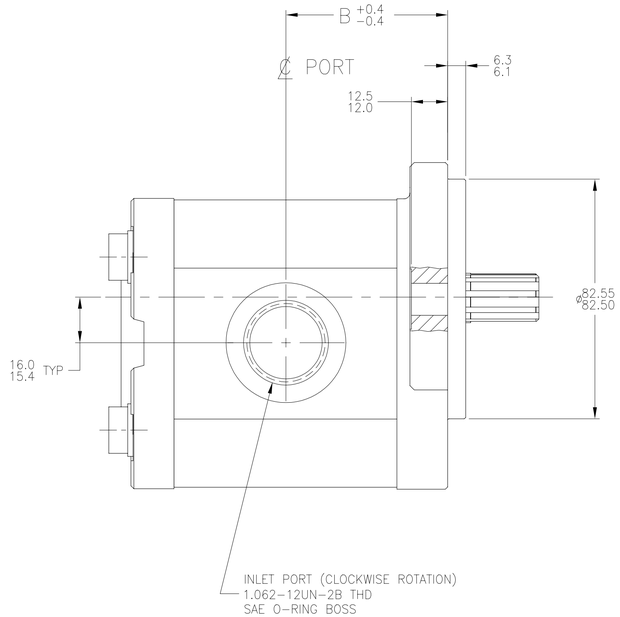
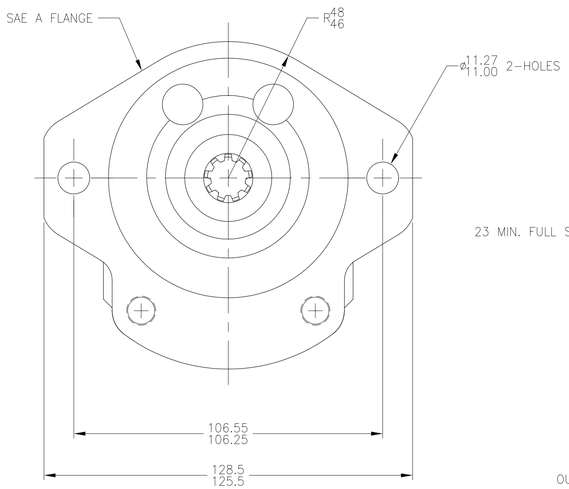
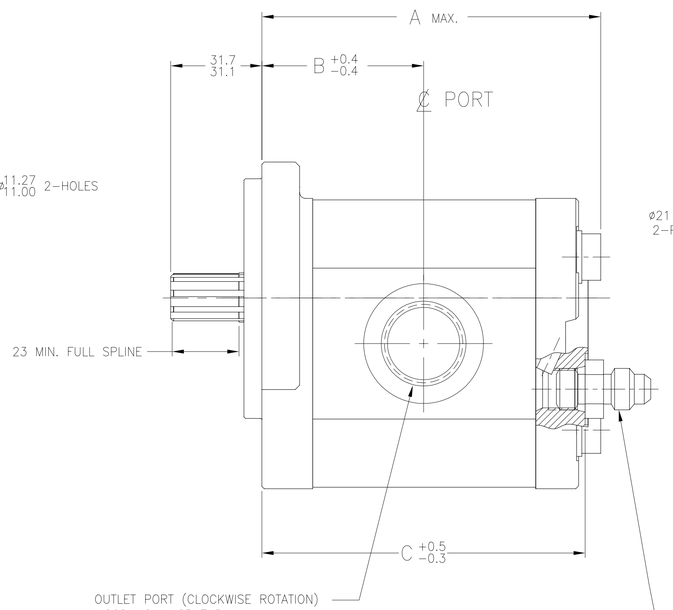
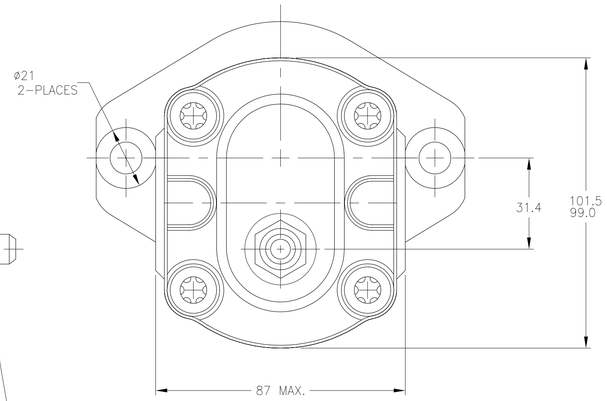
MODEL NUMBER	CATALOG NUMBER	DISPLACEMENT CM^3/REV	RATED CAPACITY ⚠3 LITERS/MIN	MAX CONTINUOUS PRESSURE BAR	MAX ROTATIONAL SPEED RPM	A DIM.	B DIM.	C DIM.
9 511 290 047	AZ-M-F-12-011-URR12ML	11.3	24.3	210	3500	96.6	45.7	90.8
9 511 290 048	AZ-M-F-12-014-URR12ML	14.4	30.7	210	3000	101.6	48.2	95.8

REV	DESCRIPTION	DATE	BY	CKD
	RELEASE TO PRODUCTION (CRR0950)	07-02-04	JPC	









⚠5 EXTERNAL INVOLUTE SPLINE DATA
FLAT ROOT SIDE FIT

FLAT ROOT SIDE FIT	
NO. OF TEETH	9
SPLINE PITCH	16/32
PRESSURE ANGLE	30°
PITCH DIA.	.56250 REF.
MAJOR DIA.	.6034-.6085
FORM DIA.	.504
CIRCULAR TOOTH THICKNESS:	
MAX.EFFECTIVE	.0942
MIN. ACTUAL	.0916

GENERAL NOTES:

1. METRIC LINEAR MEASUREMENTS ARE IN MILLIMETERS
2. ROTATION : BI-ROTATIONAL
3. ⚠3 INPUT FLOWS ARE AT 2000 RPM & MAXIMUM RATED PRESSURE USING SAE NO. 10 OIL AT 48°C
4. INLET AND OUTLET PORTS CALL-OUT SHOWN FOR CLOCKWISE ROTATION. INLET AND OUTLET WOULD BE REVERSED FOR COUNTERCLOCKWISE ROTATION.
5. ⚠5 EXTERNAL INVOLUTE SPLINE DATA IN DECIMAL INCHES
6. DRAIN LINE PRESSURE NOT TO EXCEED 3 BAR.

DO NOT SCALE
UNLESS OTHERWISE SPECIFIED: TOLERANCES PER DIN 7168m

LINEAR DIMENSION	TOL.
0– 6=	±0.1
6– 30=	±0.2
30– 120=	±0.3
120– 400=	±0.5
400–1000=	±0.8
ANGLES =	± 1°

METRIC
THIRD ANGLE PROJECTION

DRN JPC	DATE 07-02-04	DESCRIPTION
CKD	DATE	
APPVD	DATE	
REF. 9510290015TAB		
CAD-ORIGINAL Revisions thru CAD Only		REV. MATERIAL

SCALE FULL
TITLE MOTOR-GEAR, INSTALLATION
DWG. NO. 9 511 290 047TAB
SHEET 1 OF 1

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