MODEL NUMBER	CATALOG NUMBER	DISPLACEMENT CM³/REV	MAX. RATED PRESSURE BAR	OUTPUT FLOW ⚠3 LITERS/MIN	A DIM.	B DIM.	C DIM.	INLET PORT (SAE O-RING BOSS)	OUTLET PORT (SAE O-RING BOSS)
9 510 290 036	AZPF-12-004LRR12MB	4.1	250	7.1	85.0	39.9	39.9	.875-14 UNF-2B THD.	.750-16 UNF-2B THD.
9 510 290 037	AZPF-12-005LRR12MB	5.6	250	10.1	85.6	41.1	41.1		
9 510 290 038	AZPF-12-008LRR12MB	8.2	250	15.0	91.6	43.2	43.2	1.062-12 UN-2B THD.	.875-14 UNF-2B THD.
9 510 290 039	AZPF-12-011LRR12MB	11.3	250	21.0	96.6	47.0	47.0		
9 510 290 040	AZPF-12-014LRR12MB	14.4	250	26.9	101.6	47.5	47.5		
9 510 290 041	AZPF-12-016LRR12MB-S0040	16.5	250	31.0	105.0	47.5	47.5		
9 510 290 042	AZPF-12-019LRR12MB-S0040	19.6	210	37.4	110.0	47.5	47.5		
9 510 290 043	AZPF-12-022LRR12MB-S0040	22.9	180	43.8	115.4	55.1	55.1		

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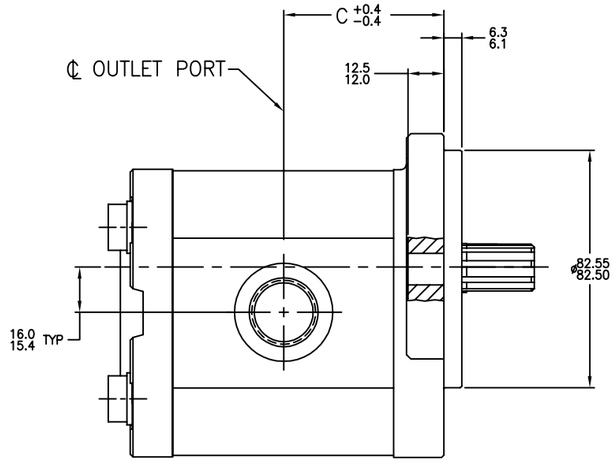
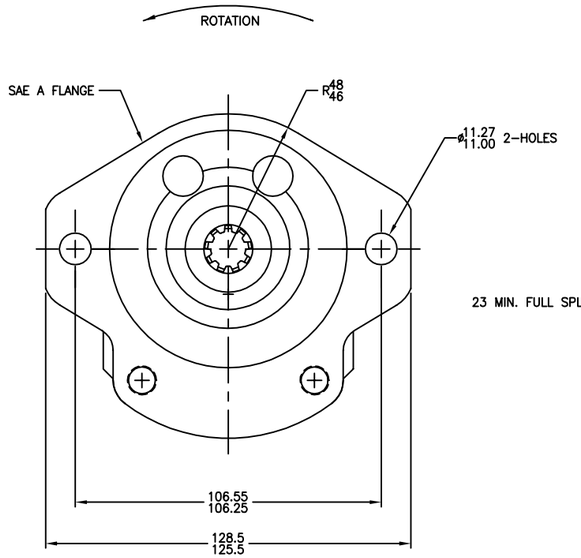
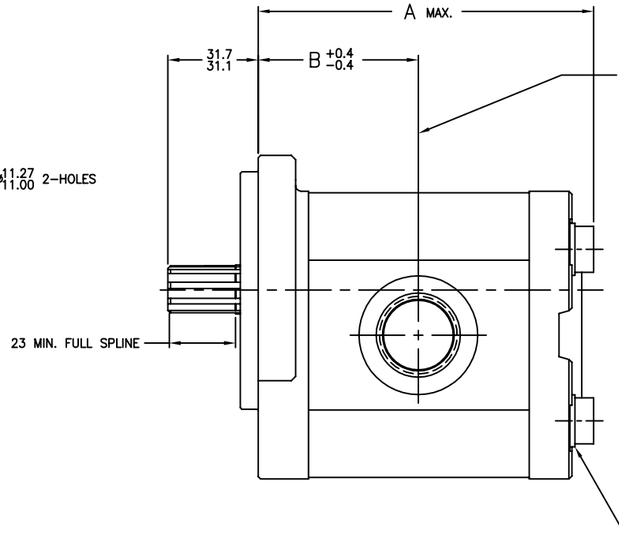
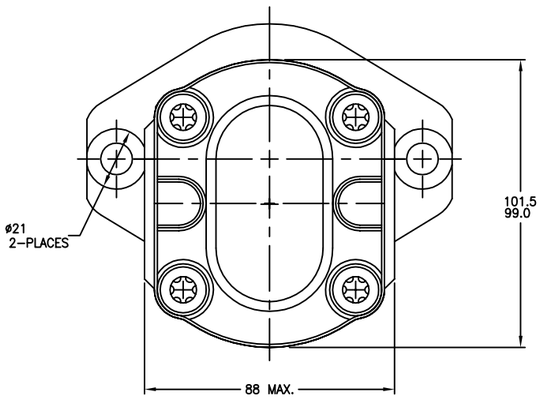
REV	DESCRIPTION		DATE	BY	CKD
	RELEASE TO PRODUCTION	(CRR0198)	06-06-02	D.M.	
A	1) PORTS WERE 9/16-18 UNF-2B THD.	(CRR0319)	10-30-02	D.M.	
A	2) INLET WAS .875-14 UNF-2B THD.	(CRR0319)	10-30-02	D.M.	
B	WAS 87 MAX	(CRR1453)	01-13-06	DN	GTM
C	ADD OPERATING CONDITIONS	(ECN R7878-00055)	04-04-07	MEW	•
D	UPDATED CATALOG CODES	(ECN R7878-00069)	05-03-07	MEW	•
E	CHANGED CATALOG CODE	(ECN R7878-00269)	04-07-09	MEW	•









⚠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 VIEWING DRIVE END: COUNTERCLOCKWISE
3. ⚠3 OUTPUT FLOWS ARE AT 2000 RPM & MAXIMUM RATED PRESSURE USING SAE NO. 10 OIL AT 48°C
4. MAX. RATED SPEED: UP TO 3500 RPM
5. ⚠5 EXTERNAL INVOLUTE SPLINE DATA IN DECIMAL INCHES
6. LOCK WASHER EXCLUDED IN INSTALLATION 9 510 290 037
7. OPERATING CONDITIONS PER Y510 201 598 Ⓒ

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 D.M. 06-06-02
CHD D.N. 08-30-02
APPVD
DWG. NO. 9510290015TAB
CAD-ORIGINAL
Revisions thru CAD Only
REV. E
DESCRIPTION
SCALE FULL
TITLE PUMP-GEAR, INSTALLATION
DWG. NO. 9 510 290 036TAB
SHEET 1 OF 1
MATERIAL

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D

Rexroth Bosch Group
FOUNTAIN INN, SC 29644