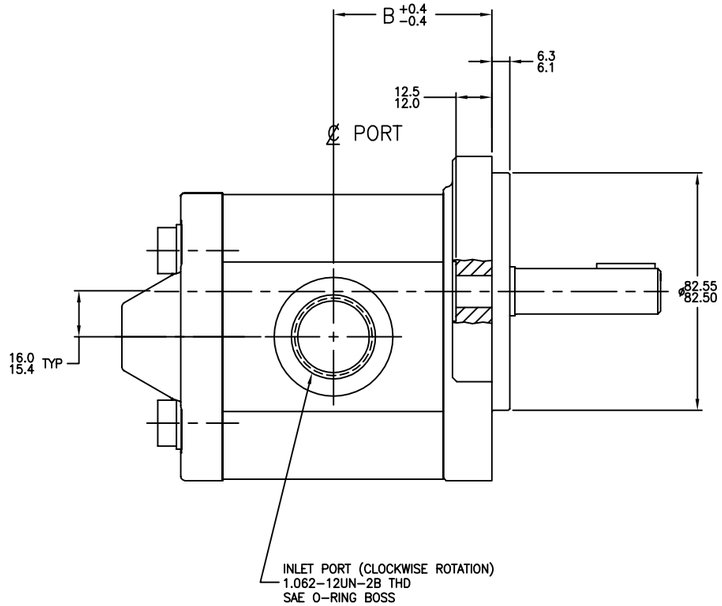
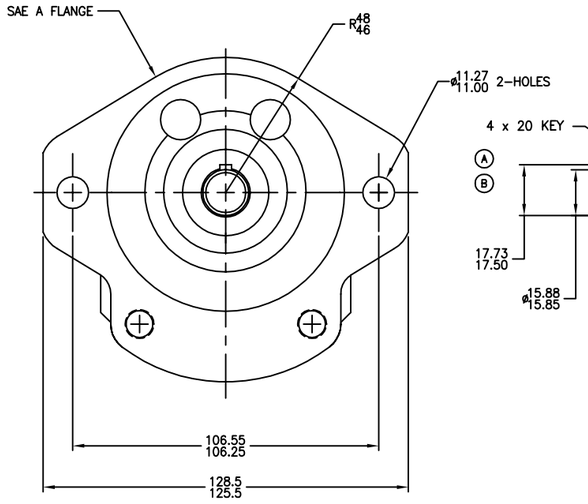
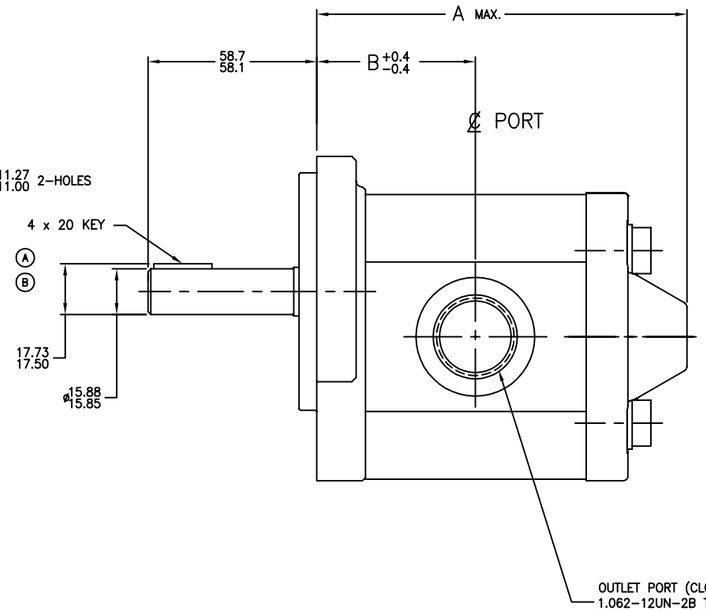
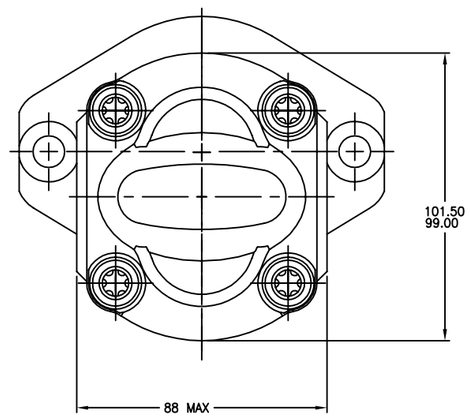
MODEL NUMBER	CATALOG NUMBER	DISPLACEMENT CM³/REV	Ⓓ	MAX CONTINUOUS PRESSURE BAR	MAX ROTATIONAL SPEED RPM	A DIM.	B DIM.
9 511 290 031	AZ-M-F-12-008-UQR12MB-S0030	8.2		210	4000	105.7	43.2
9 511 290 032	AZ-M-F-12-011-UQR12MB-S0030	11.3		210	3500	110.7	45.7
9 511 290 033	AZ-M-F-12-014-UQR12MB-S0030	14.4		210	3000	115.7	48.2
9 511 290 034	AZ-M-F-12-016-UQR12MB-S0030	16.5		210	3000	119.1	49.9
9 511 290 035	AZ-M-F-12-019-UQR12MB-S0030	19.6		180	3000	124.1	52.4
9 511 290 036	AZ-M-F-12-022-UQR12MB-S0030	22.9		170 Ⓓ	3000	129.5	55.1

REV	DESCRIPTION	DATE	BY	CKD
	RELEASE TO PRODUCTION (CRR0449)	04-24-03	D.N.	GRJ
A	CHANGE TO WOODRUFF KEY (CRR1193)	02-17-05	GRJ	GTM
B	CHANGE TO STRAIGHT KEY N (CRR1476)	01-16-06	GRJ	
C	ADDED 87 MAX DIM (CRR1453)	01-23-06	DN	GRJ
D	CHANGED PER ECN (ECN R7878-00206)	03-11-08	MEW	*









GENERAL NOTES:

1. METRIC LINEAR MEASUREMENTS ARE IN MILLIMETERS
2. ROTATION : BI–ROTATIONAL

△3 Ⓓ

4. INLET AND OUTLET PORTS CALL–OUT SHOWN FOR CLOCKWISE ROTATION. INLET AND OUTLET WOULD BE REVERSED FOR COUNTERCLOCKWISE ROTATION.
5. MOTORS ARE EQUIPPED WITH INTERNAL CHECK VALVES, THEREFORE NO EXTERNAL DRAIN LINE IS REQUIRED. MOTORS SHOULD NOT BE USED IN SERIES APPLICATIONS.
6. MOTOR OUTLET PRESSURE MUST NOT EXCEED 3 BAR CONTINUOUS PRESSURE.

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.N. DATE 04–24–03
CHD GFB DATE 06–20–03
APPD DATE
REF 9510 290 133
CAD–ORIGINAL
Revisions thru CAD Only

DESCRIPTION
SCALE FULL
TITLE MOTOR–GEAR, INSTALLATION
DWG. NO. 9 511 290 031TAB
SHEET 1 OF 1
REV. D
MATERIAL

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D

Rexroth Bosch Group
WOOSTER, OHIO 44691