

PRODUCT LINE : MD REVISION : J
PRODUCT NO. : 72400-RPR-04 MODEL CODE : ACGRAHA00B31TTDMA0CAF0BBS0D
INSTALLATION : A-1407-001 0....0....1....1....2....2....3....3
-----0-----5-----0-----5-----0-----5-----5

DOCUMENT BASED ON ANSI Y14.5M-1982 ALL DIMENSIONS ARE IN MILLIMETERS [INCHES]
ADDITIONAL INSTALLATIONS: A-290-001 SHAFT INSTALLATION
A-448-029 SHAFT INSTALLATION
A-387-032 SERVO CONTROLLER INSTALLATION
A-1199-001 DUMP VALVE INSTALLATION

DESCRIPTION:

ACG CODE TITLE - 49.2 cm³/r [3.00 in³/r] SERVO CONTROLLED VARIABLE
DISPLACEMENT PUMP
R INPUT SHAFT ROTATION - RIGHT HAND ROTATION (CW)
A INPUT SHAFT - 15 TOOTH 16/32 EXTERNAL, DIAMETER 24.98 [.984], SHAFT
EXTENSION 46 [1.81]
H OUTPUT SHAFT - 35 TOOTH 48/96 EXTERNAL, DIAMETER 19 [.750], TO BE USED
WITH SPACER TO ACCEPT SHAFT EXTENSION 24.4 [.96]
A AUXILIARY MOUNTING FEATURES (REAR) - [2-BOLT A] SAE FLANGE SERIES 82-2
0 CHARGE PUMP - NO CHARGE PUMP
0 CHARGE PUMP RELIEF SETTING AND ROUTING - NO CHARGE PUMP
B AUXILIARY PORT SIZE AND LOCATION - .750-16 UNF-2B SAE O-RING PORT -
RIGHT (C2) SIDE (HOUSING)
3 DRAIN PORT SIZE AND LOCATION - THRU DRAIN INTO REAR AUXILIARY FLANGE
(D3)
1 MAIN PORTS SIZE AND LOCATION - 1.3125-12 UN-2B SAE O-RING PORT (A & B)
- RIGHT SIDE
T RELIEF VALVE SETTING FOR MAIN PORT A - 344.7 bar [5000 lbf/in²]
T RELIEF VALVE SETTING FOR MAIN PORT B - 344.7 bar [5000 lbf/in²]
D ADDITIONAL FUNCTIONS - BYPASS VALVE WITH CROSS HOLE
MA CONTROL ASSEMBLY - MANUAL CONTROL, WIDE BAND NEUTRAL, NEUTRAL LOCKOUT
SWITCH
0 DESTROKE VALVE - NOT REQUIRED
C CONTROL SUPPLY ORIFICE (p) - DIAMETER 0.91 [.036]
A CONTROL SERVO ORIFICE (s1 AND s2) - DIAMETER 0.71 [.028]
F SPECIAL CONTROL OPTIONS - CONTROL LEVER WITH MOUNTING HOLE DIAMETER
10.31 [.406], LOCATED 26.9 [1.06] FROM SHAFT CENTERLINE
0B PAINT - BLACK PER SPEC 209-13B
BS SPECIAL FEATURES - LEFT HAND NEUTRAL ADJUSTMENT; POLYACRYLATE DRIVE
SHAFT SEAL
0 IDENTIFICATION - STANDARD
D DESIGN CODE - D

NOTES:

1000 UNIT RATINGS
1005 MAX OPERATING SPEED ----- 3600 r/min
1010 MAX CONTINUOUS PRESSURE ----- 172.4 bar[2500 lbf/in²]
1015 MAX SURGE PRESSURE ----- 313.7 bar[4550 lbf/in²]
1020 MAX INTERMITTENT PRESSURE ----- 286.1 bar[4150 lbf/in²]
1025 MAX CLOSED LOOP TEMP ----- 107 deg C[225 deg F]
1030 CHARGE REQUIREMENT ----- 17.24-22.41 bar[250-325 lbf/in²]
1040 MAX ALLOWABLE CASE PRESSURE ----- 1.72 bar[25 lbf/in²]

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NOTES, CONTINUED:

- 1045 0
- 1050 AUXILIARY PORT FOR CHARGE PRESSURE INLET.
- 9900080-000 SERVICE KIT FOR PUMP IS 9900080-000
- 72400-909 SERVICE KIT FOR MANUAL CONTROL IS 72400-909

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ITEM	PART NUMBER	QTY	DESCRIPTION
2	16024-6	1	NUT, JAM
3	16077-32	1	RING, RETAINING
4	16078-18	2	RING, RETAINING
6	16254-6	1	WASHER, SEAL
7	16147-310	8	SCREW, CAP
8	70400-703	1	ROTATING KIT SUBASSY
9	113688-001	1	SERVO PISTON SUBASSY
10	72400-585	1	FOLLOWER, SERVO PISTON
11	72400-620	1	PLATE, COVER
12	72400-621	2	GASKET, COVER PLATE
14	72400-626	1	GASKET, HOUSING
16	5988112-001	1	GASKET, CONTROL HOUSING
17	72400-651	1	PLATE, COVER
18	72400-677	1	CAMPLATE SUBASSY
19	74308-100	2	RACE, THRUST
20	74308-101	1	BEARING, THRUST
21	110700-500	1	RELIEF VALVE SUBASSY
22	110700-500	1	RELIEF VALVE SUBASSY
23	16136-622	4	SCREW, CAP
26	16147-314	6	SCREW, CAP
27	70400-706	1	PLATE, VALVE
28	112259-028	1	HOUSING SUBASSY
29	113589-004	1	ENDCOVER SUBASSY
31	112868-001	1	SHAFT, DRIVE - SPLINED
34	16021-4	1	NUT
36	16045-104	1	LOCKWASHER
37	16048-319	1	WASHER
43	4993012-001	1	SEAL, SHAFT
47	72400-695	1	ARM, CONTROL
48	72401-AS	1	MANUAL SERVO CONTROL SUBASSY
51	101619-036	1	ORIFICE, CONTROL VALVE
52	101619-028	1	ORIFICE, CONTROL VALVE
53	101619-028	1	ORIFICE, CONTROL VALVE
57	113578-001	1	BYPASS VALVE
60	16254-26	1	WASHER
61	16048-672	8	WASHER
62	106013-038	4	WASHER
85	16334-001	1	LABEL, IDENTIFICATION
	16096-108	1	PLUG, SHIPPING
	16096-116	2	PLUG, SHIPPING
	16126-3	1	ROBBER, PAINT
	16126-26	2	ROBBER, PAINT
	209-13B		PAINT SPEC
	209-213		TEST SPECIFICATION
	A-1405-001		ASSEMBLY DRAWING
	A-1405-003		ASSEMBLY TAB

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ITEM	PART NUMBER	QTY	DESCRIPTION
	A-1405-004		ASSEMBLY TAB
	A-1405-013		ASSEMBLY TAB

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REV	DESCRIPTION	BY	CHK'D	DATE	ECN
A	ENGINEERING RELEASE	SDR	MJZ	3/7/2001	M25157
B	PAGE 2 ITEM 21 WAS 110603.. ITEM 22 WAS 110603..	SDR	MJZ	8/8/2001	38771
C	PAGE 1 MODEL CODE POS 11 WAS C POS 12 WAS T POS 19 WAS D POS 20 WAS D POS 24,25 WAS AW PAGE 2 ITEM 21 WAS 110700-500 ITEM 28 WAS 112259-009 ITEM 43 WAS 16253-18 ITEM 51, 52 AND 53 WAS 101619-040	SDR	SDR	9/21/2001	M25157A
D	PAGE 1 -1)MODEL CODE POS 10 WAS A PAGE 2 -2)ITEM 28 WAS 112259-025	SDR	SDR	11/16/2001	M25157B
E	PAGE 2, SERVICE KIT FOR PUMP WITH MANUAL CONTROL WAS 72400-908	DLL	SSW	11/28/2001	39645
F	REVISION D WAS-2)ITEM 25 WAS....	SDR	SDR	12/7/2001	39900
G	-1)PG 1 MODEL POS 13 WAS CODE N -2)PG 3 ITEM 21 WAS 110700-400	SDR	SDR	12/11/2001	M25157C
H	INACTIVE	SDR	MWM	8/3/2004	M61724A
J	PG 3 ITEM 16 WAS 72400-631	SKK	TMS	01/25/2008	ECR-5307