



MODEL KEY
2SV 2 J 0 K 4 4 M 1 - XXXX

PUMP MODEL 1SV-2SVB 2SV-2SVB	# OF PUMPS 2 - 2 PUMPS	# STAGES A-1, B-2, ...	# REDUCED STAGES 0 FOR 3-4SVB PUMPS	NEMA RATING 1-NEMA 1 MANIFOLD SIZE M-3"	SUPPLY VOLTAGE 2-230V/1Φ/60Hz 3-230V/3Φ/60Hz 4-460V/3Φ/60Hz 5-208V/1Φ/60Hz 6-208V/3Φ/60Hz	MOTOR HP D-2HP, E-3HP F-5HP, G-7.5HP H-10, J-15HP K-20, L-25HP	MOTOR ENCLOSURE 1-3Φ, ODP 2-3Φ, TEFC 3-3Φ, PREM. EFFY., ODP 4-3Φ, PREM. EFFY., TEFC	OPTIONS SEE OPTIONS BULLETIN FOR CODES
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SYM	QTY	P/N	DESCRIPTION
30	1	HILTI-012	STRUT, HILTI, 1-5/8"x1-5/8"
29	2	HILTI-012	STRUT, HILTI, 1-5/8"x1-5/8"
28	2	HILTI-015	SEISMIC HINGE, STRUT HALF W/ BOLT & NUT
27	2	HILTI-014	SEISMIC HINGE, BASE / HANGER HALF, 3/8"
26	8	38-017-085	PLATE, 1-5/8"x1x5/8"x1/4"
25	2	54-007-002	LEVELING PAD, NYLC34 GRAINGER 5VN02, 5/8"-11
24	2	54-010-461	NIPPLE, 304 SS, SCHEDULE 40, 1.5"X2"
23	4	54-010-454	NIPPLE, 304 SS, SCHEDULE 40, 1.25"X2"
22	2	57-020-075	PLUG, 304SS, 3/4"
21	8	57-020-072	PLUG, 304SS, 1/4"
20	2	57-020-074	PLUG, 304SS, 1/2"
19	4	57-012-535	HEX BUSHING, 304 SS, 1 1/2"x1 1/4"
18	1	305-003-244	FLANGE, WELDNECKxVIC. GROOVE, 304 SS, CLASS 150, 3"
17	1	---	FLANGE, WELDNECKxVIC. GROOVE, 304 SS, (NOTE 9), 3"
16	4	54-003-408	FLANGE, NPT, 304, CLASS 300, 1-1/4"
15	4	20-001-031	COUPLING, VICTAULIC STYLE 75, 3"
14	2	68-006-021	CAP, GROOVED, 304SS, TEXLINE, 3"
13	2	600-SP-001	ASSY. - PIPE SUPPORT, 1"x3.5"x5/8"-11
12	1	600-PS-5054	ASSY. - PANEL STAND, 50"x54"
11	2	600-MD3SS-002	ASSY. - MANIFOLD, DUPLEX, 3", 1-1/2" BRANCHES
10	1	600-BSDM-1842	ASSY. - BASE, DUPLEX, 18"x42"
9	1	---	GAUGE, GLYCERIN FILLED, SUCTION
8	1	---	GAUGE, GLYCERIN FILLED, DISCHARGE
7	1	---	DISCONNECT PANEL, UL 508, DUPLEX
5	2	---	AUTOMATIC FREQUENCY DRIVE / PUMP CONTROLLER, AQUAVAR CPC
6	2	85-003-050	ASSY. - TRANSDUCER / CABLE, GOULDS 9K391
4	4	18-011-507	VALVE, TEST COCK, WATTS #000663, 1/4"
3	2	25-003-040	VALVE, CHECK, WATTS SERIES 600, 1-1/2"
2	4	24-001-061	VALVE, BALL, NPT, WATTS FBV-3, 1-1/2"
1	2	---	PUMP, GOULDS 1-2SVB

- NOTES:**
- MANIFOLDS GROOVED BOTH ENDS TO ALLOW FOR FIELD CONNECTION TO EITHER END.
 - 48" CLEARANCE (CLEAR TO GROUND) REQUIRED IN FRONT OF CONTROL PANELS PER 2005 NEC TABLE 110-26(A)(1) CATEGORY 3; USER ASSUMES ALL RESPONSIBILITY FOR EVALUATION OF SITE CONDITIONS IF USING CATEGORY 1 OR 2 CLEARANCES.
 - ALLOW 24" SERVICE CLEARANCE AROUND SYSTEM; ALLOW 12" ABOVE SYSTEM FOR REMOVAL OF MOTOR.
 - DO NOT USE FOR CONSTRUCTION PURPOSES UNLESS CERTIFIED.
 - MAXIMUM SYSTEM SHUT OFF PRESSURE: 362 PSI @ 100°F (MAX SUCTION PRESSURE + PUMP SHUT-OFF.).
 - MAXIMUM SYSTEM WEIGHT: 725 LBS.
 - MAXIMUM OPERATING TEMPERATURE: 250°F. OPERATING PRESSURE IS REDUCED AT HIGHER TEMPERATURES; CONTACT FACTORY FOR PRESSURE RATINGS.
 - APPROXIMATE WIDTH WITH DISCHARGE MANIFOLD REMOVED.
 - CLASS 150 FLANGE PROVIDED FOR SYSTEM SHUT OFF PRESSURES < 275 PSI; CLASS 300 FLANGE PROVIDED FOR SHUT-OFF PRESSURES 275PSI-362PSI.

ITT
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DIMENSIONING PER ASME Y14.5	DRN: M. MARTINEZ	DATE: 7/28/2006
UNLESS OTHERWISE SPECIFIED	CHK:	DATE:
± 1/2" LINEAR	DRAWING #: 600-003-001	
± 1/2" ANGULAR	DRAWING NAME: AQUAFORCE DUPLEX 1-2SVB	
THIRD ANGLE PROJECTION	SIZE B	REV
		SHEET #: 1