

# DUAL STAGE JET PUMPS

## EQUIPMENT \_\_\_\_\_

Pump, motor, injector, pressure switch.

## SPECIFICATIONS \_\_\_\_\_

**MOTOR:** NEMA 56J threaded shaft, open drip proof construction, single phase, 115/230 Volt, 3/4 through 2 HP, automatic reset thermal overload protected.

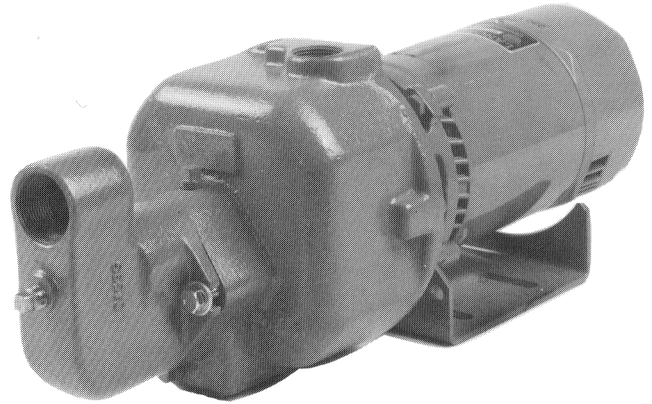
**MOTOR ADAPTER:** Cast iron dual flanged which provides a moisture barrier between pump and motor.

**PUMP BASE:** Steel stamping with mounting holes.

**SHAFT SEAL:** Carbon/ceramic seats, Buna-N elastomers and stainless steel metal parts.

**DIFFUSERS:** 20% Glass Filled Delrin® (Acetal).

**IMPELLERS:** 20% Glass Filled Noryl® with stainless steel threaded inserts.



**PUMP BODY:** Rugged cast iron. 1" N.P.T. discharge.

**INJECTOR: *Shallow Well:*** cast iron body, 1-1/4" suction, 1/4" tap for nozzle clean out, thermoplastic venturi and nozzle.

***Deep Well:*** Cast iron body tapped 1-1/4" x 1"; 1" female tapping for foot valve, thermoplastic venturi and lead free brass nozzle.

## SHALLOW WELL - LIFTS TO 25' - PRESSURES TO 70 PSI.

MODEL NO.	HP	INJ. NO.	LIFT IN FEET	DISCHARGE PSI						MAX. PSI
				20	30	40	50	60	70	
				CAPACITIES IN GALLONS PER HOUR						
2SW94	3/4	24940	0	1130	1105	995	700	420	190	79
			5	1010	990	910	600	335	—	
			10	900	890	855	560	270	—	
			15	760	760	755	485	240	—	
			20	650	640	640	440	205	—	
			25	490	490	490	350	120	—	
2SW95	1	24950	0	1490	1480	1420	990	665	445	86
			5	1350	1325	1265	875	585	370	
			10	1205	1175	1165	835	535	285	
			15	1015	1010	1000	780	490	240	
			20	835	830	830	700	455	175	
			25	650	630	625	605	390	—	
2SW96	1-1/2	24960	0	1555	1555	1555	1480	1120	800	93
			5	1440	1440	1440	1360	990	725	
			10	1320	1320	1315	1280	960	700	
			15	1145	1110	1110	1090	920	655	
			20	890	880	840	840	835	590	
			25	660	660	660	655	655	485	
2SW97	2	24970	0	1860	1860	1860	1815	1450	1115	99
			5	1680	1665	1665	1665	1365	1045	
			10	1510	1500	1500	1470	1260	950	
			15	1295	1290	1260	1255	1210	900	
			20	1075	1070	1060	1030	1025	815	
			25	780	775	775	775	775	755	

Suction 1-1/4" N.P.T.; Discharge 1" N.P.T.

**DEEP WELL (2 PIPE) 4" OR LARGER WELLS; LIFTS TO 160'**

MODEL NUMBER	INJECTOR NUMBER	LIFT IN FEET	MIN. CONTROL VALVE	DISCHARGE PSI							MAX. PSI
				20	30	40	50	60	70	80	
				CAPACITIES IN GALLONS PER HOUR							
2DW74 (3/4 HP)	34650	30	30	870	870	660	420	180	—	—	68
		40	35	732	732	525	300	90	—	—	62
		50	35	594	594	390	180	—	—	—	57
		60	35	455	455	300	90	—	—	—	52
	34640	30	35	444	444	438	420	300	210	132	99
		40	40	432	432	429	363	258	171	99	94
		50	40	420	420	420	306	216	132	66	89
		60	40	360	360	360	258	168	96	—	83
		70	40	300	300	300	210	120	60	—	77
		80	40	252	252	252	165	87	—	—	72
		90	40	204	204	204	120	60	—	—	67
	34670	110	35	270	270	228	150	78	—	—	71
		120	35	219	219	177	105	—	—	—	64
		130	35	168	168	126	60	—	—	57	
2DW75 (1 HP)	34650	30	40	840	840	840	705	480	270	—	82
		40	45	720	720	720	592	375	165	—	77
		50	45	600	600	600	480	270	60	—	72
		60	45	487	487	487	366	165	—	—	67
	34640	70	45	375	375	375	252	60	—	—	63
		30	40	450	450	450	450	432	360	270	121
		40	45	450	450	450	450	403	320	237	116
		50	45	450	450	450	450	375	282	204	111
		60	50	405	405	405	405	325	230	162	104
		70	50	360	360	360	360	276	180	120	98
		80	50	300	300	300	300	240	150	60	92
	34670	90	50	240	240	240	240	204	120	—	87
		100	50	180	180	180	180	168	90	—	82
		110	45	300	300	300	264	180	120	60	88
120		45	250	250	250	210	138	60	—	81	
		130	45	198	198	198	156	96	—	74	
		140	45	145	145	145	100	54	—	67	
2DW76 (1-1/2 HP)	34650	30	55	846	846	846	846	840	660	450	101
		40	60	730	730	730	730	730	537	333	96
		50	60	615	615	615	615	615	414	216	91
		60	60	510	510	510	510	510	312	108	85
		70	60	405	405	405	405	405	210	—	80
	34640	70	60	372	372	372	372	372	318	270	124
		80	60	336	336	336	336	336	294	232	116
		90	60	300	300	300	300	300	270	195	109
		100	60	264	264	264	264	264	246	157	101
	34670	110	55	384	384	384	384	336	264	192	112
		120	55	327	327	327	327	288	214	153	105
		130	55	270	270	270	270	240	165	114	98
140		60	192	192	192	192	192	115	75	91	
150		60	144	144	144	144	144	65	—	84	
		160	60	96	96	96	96	—	—	77	
2DW77 (2 HP)	34650	30	55	870	870	870	870	840	795	585	108
		40	60	787	787	787	787	787	680	464	103
		50	60	735	735	735	735	735	564	342	98
		60	60	604	604	604	604	604	429	261	93
		70	60	474	474	474	474	474	294	180	88
	34640	70	60	408	408	408	408	408	396	345	136
		80	60	392	392	392	392	392	363	308	130
		90	60	375	375	375	375	375	330	270	124
		100	60	358	358	358	358	358	297	232	118
	34670	110	60	390	390	390	390	390	300	240	122
		120	60	336	336	336	336	336	255	195	114
		130	60	282	282	282	282	282	210	150	107
		140	60	228	228	228	228	228	165	105	99
150		60	174	174	174	174	174	120	60	91	
		160	60	120	120	120	120	75	—	83	

N.P.T. Pipe Connections; Injector 1-1/4" X 1"; Discharge 1"

Minimum Control Valve Setting required to Maintain Prime. Above chart based upon tests conducted with injectors 5 feet below water level.

**LANCASTER PUMP** A Division of C-B TOOL CO.

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