

Pearl[®] *Water Systems*

Convertible Jet Pump



CONVERT

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Convertible Jet Pump

CONVERT is part of the PEARL Jet Pumps family.

The versatility of this pump allows it to be used in different applications such as shallow or deep wells. In all its different configurations, CONVERT is a self-priming pump, which means that, after the first priming, there will be no need for the pump to be primed again.

The pump's design and features guarantee complete customer satisfaction. Every component was carefully manufactured to assure the best performance and reliability. CONVERT'S construction is suitable for outdoor applications.

CONVERT comes equipped with a PEARL pressure switch for quick installation.

One of the biggest advantages when using CONVERT is the possibility to service the pump without removing the pipes from the adapter.



Applications

- Domestic water supply out of a well at desirable pressure.
- Lifting water containing air or other gasses.
- Boost pressure from flooded suction.
- Garden maintenance (see operating conditions).

Operating Conditions

- Liquid temperature: 32° F - 150° F.
- Maximum working pressure: 125 PSI.
- Continuous duty.

Construction

- Closed coupled self-priming centrifugal pump.
- High quality components for domestic use and irrigation if low lead requirements are guaranteed.
- Connection threaded ports NPT.
- Stainless steel hardware.
- Pre-drilled priming port with plug.
- Pre-drilled drain port with plug for maintenance.
- U-shape base for pump support.

Motor

- Nema standard ODP 56 J motor for much cooler surface temperature.
- Thermal overload protection.
- Capacitor start - capacitor run type motor for the ½ - ¾ Hp versions.
- Permanent Split Capacitor (PSC) without centrifugal switch for the 1 - 1½ Hp versions.
- Front bearing 6204 for a much longer life span.
- All copper winding.
- Class F Dupont Nomex Insulation System, cCSAus approved.
- Single phase ½ - ¾ - 1 - 1½ Hp, 115/230 V.
- Easy voltage conversion.
- Maximum ambient temperature admitted: 40 °C (104 °F).
- Assembled with Pearl Pressure Switch.

ACCESSORIES

The following accessories are necessary for proper jet pump operation:

- Shallow Well Kit. Includes shallow well adapter, venturi and nozzle kits.
- Twin Pipe Deep Well Kit. Includes the 4" jet body, venturi and nozzle kits, and the foot valve.
- Single Pipe Packer. Includes packer body, venturi, and nozzle kits, and the foot valve.

Note: The single packer also needs a well adapter.

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DEEP WELL 4" TWIN PIPE PERFORMANCE & TECHNICAL DATA

MODEL	HP	DRIVE PIPE	SUCT	JET ASSEMBLY PACKAGE	JET BODY (ONLY)	NOZZLE	VENTURI	CONTROL VALVE SETTING (PSI)		DEPTH TO JET ASSEMBLY IN FEET (BASED ON SUBMERGENCE OF 5 FEET)													
		PIPE SIZE [IN]	30							40	50	60	70	80	90	100	110	120	130	140	150		
CONVERT 05	0.5	1	1 1/4	4DWJP-05-40	4DWJB	PNZL-C	PVNT-A26	30	GALLONS PER MINUTE (GPM) 30-50 PSI PRESSURE SWITCH SETTING	9	7.2	-	-	-	-	-	-	-	-	-	-	-	-
				4DWJP-05-60		PNZL-B	PVNT-A23	30		8.8	6.8	4.8	4.1	-	-	-	-	-	-	-	-	-	
				4DWJP-05-90		PNZL-A	PVNT-A20	30		-	-	-	3.7	2.6	2.2	1.5	-	-	-	-	-	-	
CONVERT 07	0.75	1	1 1/4	4DWJP-07-60	4DWJB	PNZL-C	PVNT-A29	30		14.5	14.3	12.1	7.8	-	-	-	-	-	-	-	-	-	-
				4DWJP-07-90		PNZL-B	PVNT-A25	30		-	-	-	-	5.1	3.4	1.9	-	-	-	-	-	-	-
				4DWJP-07-110		PNZL-B	PVNT-A22	30		-	-	-	-	-	-	1.7	1.3	0.8	-	-	-	-	-
CONVERT 10	1.0	1	1 1/4	4DWJP-10-60	4DWJB	PNZL-C	PVNT-A30	31		16.3	14.3	11.6	7.8	-	-	-	-	-	-	-	-	-	-
				4DWJP-10-80		PNZL-C	PVNT-A27	35		-	-	-	9.6	7.2	4.5	-	-	-	-	-	-	-	-
				4DWJP-10-110		PNZL-B	PVNT-A22	35		-	-	-	-	-	4.3	3.1	2.9	1.5	-	-	-	-	-
CONVERT 15	1.5	1 1/4	1 1/2	4DWJP-15-70	5DWJB	PNZL-E	PVNT-A34	35		19	15.1	11	8.1	3.8	-	-	-	-	-	-	-	-	-
				4DWJP-10-150		PNZL-D	PVNT-A27	40		-	-	-	-	5.3	4.4	2.8	2.6	2	1.7	1.3	0.9	0.5	

SHALLOW WELL PERFORMANCE & TECHNICAL DATA

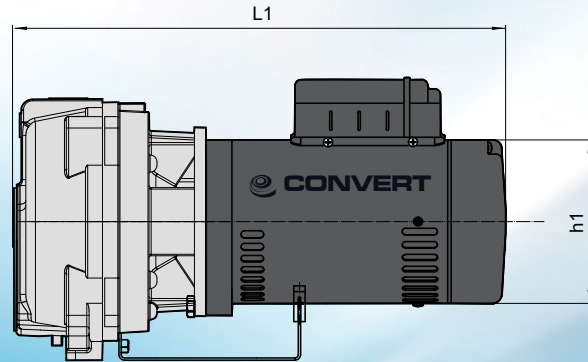
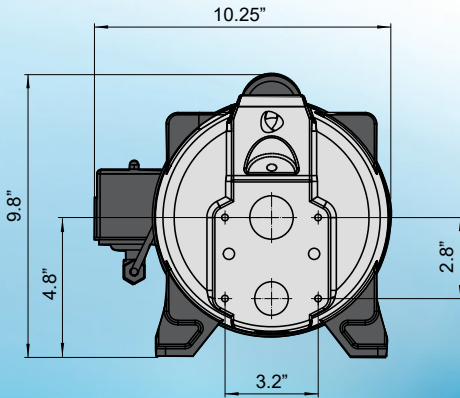
MODEL	HP	SHALLOW WELL PACKAGE	ADAPTER	NOZZLE	VENTURI	TOTAL SUCTION LIFT [FEET]	DISCHARGE PRESSURE - PSI					MAX. SHUT OFF [PSI]
							20	30	40	50	60	
							FLOW US GPM					
CONVERT 05	0.5	SWJP-05	SW-ADP	PNZL-C	PVNT-C31	5	16.7	16.4	12.2	6.4	-	63
						10	15.2	15	10	4.8	-	60
						15	12.7	12.8	9.1	4	-	58
						20	10.5	10.4	9.1	3.6	-	58
						25	8.2	8.1	8	2.7	-	56
CONVERTH 05	0.5	SWJP-05H		PNZL-E	PVNT-B28	5	12	11.7	11.5	8.3	5	80
						10	10.6	10.5	10.3	7.3	4	79
						15	9	8.9	8.3	6	3.5	77
						20	7.1	7.1	7	6.4	3.5	75
						25	5.7	5.7	5.7	5.7	3	74
CONVERT 07	0.75	SWJP-07		PNZL-D	PVNT-B36	5	-	22.6	21.5	14.6	8.5	72
						10	-	20.9	19.4	12.6	6.6	69
						15	-	17.6	17.4	11.7	5.1	68
						20	-	14.4	14.4	12.5	5.4	67
						25	-	11.5	11.5	10.3	3.1	64
CONVERT 10	1.0	SWJP-10		PNZL-D	PVNT-B38	5	-	24.2	24	18.9	11	73
						10	-	21.5	21.4	15.6	7.3	70
						15	-	19.2	19.1	16.9	8.4	69
						20	-	15.7	15.5	14.2	7	68
						25	-	12.6	12.5	11.7	4.1	65
CONVERT 15	1.5	SWJP-15		PNZL-H	PVNT-B42	5	-	24.6	24.5	24.4	20	90
						10	-	22.6	22.5	22.5	17.6	84
						15	-	19.1	19	19	17.6	83
						20	-	16.5	16.4	16.4	15.14	82
						25	-	13.1	13.1	13.1	12.8	77

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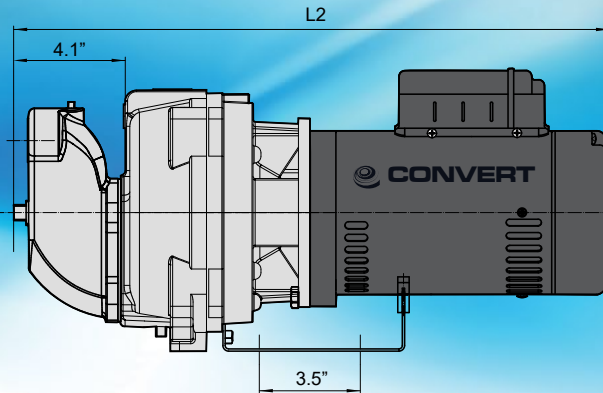
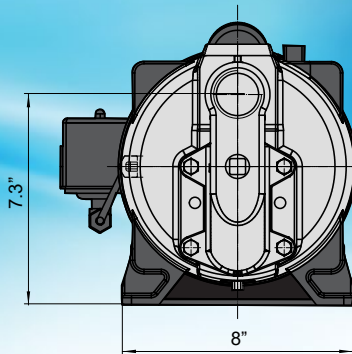
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DEEP WELL APPLICATIONS



SHALLOW WELL APPLICATIONS



Pump Dimensions

MODEL	SUCTION	DISCHARGE	DIMENSIONS			WEIGHT [lbs]
	DN	DN	h1	L1	L2	
CONVERT 05-07	1.5"	1.25"	9.8"	16.6"	20.7"	54
CONVERT 10	1.5"	1.25"	9.8"	17.4"	21.5"	66
CONVERT 15	1.5"	1.25"	9.8"	18"	22.1"	70

Packaging Dimensions

MODEL	L	W	H	WEIGHT [lbs]
CONVERT 05-07	11.75"	22.25"	12.75"	60
CONVERT 10	11.75"	22.25"	12.75"	72
CONVERT 15	11.75"	22.25"	12.75"	76

