



Shallow Well Jet Pump

Model Numbers: 095S, 125S, 165S

Rugged, reliable single stage jet assisted centrifugal pumps driven by Davey's TEFC motor. Pump fitted with pressure switch for easy conversion to automatic operation.

APPLICATIONS

Ideal for supplying high pressure water for:

- Farm water supply from dams, creeks and rivers
- Tank filling
- Stock watering
- Sprinkler supply

WHY CHOOSE THE DAVEY SHALLOW WELL PRESSURE PUMP?

- High TEFC - IP rating for long term protection against vermin, dust and water
- Manufactured from quality corrosion resistant materials
- Versatile pump - convertible to match required duty
- Colour coded jets and venturis for easy identification
- Easily converted to automatic operation
- 165S available with 3 phase motor
- Quick and easy installation
- Low maintenance
- Easy to service if required
- Oring seal hand tightened priming plug for easy operation

PUMP

1 Stage (Single Impeller).

Jet assisted.

Marine grade aluminium pump body with Rilsan® lining.

Interchangeable jet/venturi kits to match pump performance to required duty.

Pressure switch fitted.

Pressure gauge supplied.

MOTOR

Davey manufactured.

2 pole, 2900rpm, 50Hz.

Class F insulation, IP56.

Permanently split capacitor design for single phase motors.

Double contact seal C3, high temperature greased bearings.

Inbuilt thermal overload protection with automatic reset in all 1ø models.

INSTALLATION & PRIMING

- Installations with suction lift require a good quality foot valve to avoid loss of prime.
- To prime, fill pump body and suction line through priming plug hole and replace plug.

Note: For complete details consult the installation and operating instructions.

OPERATING LIMITS

Model Number	095S	125S	165S
Maximum capacity (@260kPa, nil suction) lpm	95	126	165
Maximum suction head (m)	7.5		
Maximum water temperature	50°C		
Minimum water temperature	1°C		
Inlet size	1½" BSP(F)		
Outlet size	1¼" BSP(F)		

MATERIALS OF CONSTRUCTION

Part	Material
Suction cover	Aluminium-Rilsan® lined
Pump body	Aluminium-Rilsan® lined
Discharge port	Aluminium-Rilsan® lined
Diffuser	Glass filled Noryl
Backplate	Glass filled Noryl
Jet/Venturi housing	Glass filled Noryl
Impeller	Glass filled polycarbonate
Jet	Acetyl
Venturi	Acetyl
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon
Orings	Nitrile rubber
Priming plug	Nylon
Shaft	304 stainless steel
Motor shell	Aluminium
Motor shell finish	Polyester powder coat
Capacitor cover	Polypropylene
Terminal box cover	Polypropylene
Mounting feet	Xenoy®

ELECTRICAL DATA

Shallow Well Pump – Model Number	095S	125S	165S
Supply voltage (1ø)	220-250		
Supply voltage (3ø)	N/A	N/A	380-450
Output power (kW)	1.1	1.4	1.8
Maximum rated current @ 240V (amps)	7.2	8.5	10/4.2
Locked rotor current @ 240V (amps)	21	25	39/24
Insulation class	F		
IP rating	IP56		
Starting (1ø)	P.S.C.		

DIMENSIONS (mm)										
Model	A	B	C	D	E	F	G	Inlet B.S.P.	Outlet B.S.P.	Net Weight (kg)
095S	535	365	300	158	320	210	210	1½"F	1¼"F	22
125S	555	365	300	158	320	230	210	1½"F	1¼"F	24.5
165S	585	365	300	158	320	230	210	1½"F	1¼"F	25

All dimensions in mm unless otherwise stated.



SHALLOW WELL PUMPS

Pump Model	Jet Kit No.	Total Suction Head m ft		Delivery Head in metres/feet																Maximum Shut-Off Pressure kPa psi		Pressure Switch Setting kPa psi			
				26	85	28	92	34	112	38	125	41	135	48	157	55	180	62	203					66	217
				Delivery Head in kPa/psi																					
				260	38	280	41	340	49	380	55	410	59	480	70	550	80	620	90					660	96
Output per minute in litres/gallons																									
95S 1ph 1.6kW *	22690*	0	0	95	20.8	91	20.0	60	13.1	42	9.2	29	6.3							480	70				
	Jet-Black	1.5	5	86	18.9	83	18.2	55	12.0	40	8.7	27	5.9							476	69	260	38		
	Venturi-Green	4.0	13	70	15.3	69	15.1	45	9.8	30	6.5	17	3.7							450	65	to	to		
		6.0	20	55	12.0	55	12.0	37	8.1	22	4.8	10	2.1							430	62	380	55		
1.1kW ◊ 7.2A	22691	0	0					65	14.2	53	11.6	46	10.1	31	6.8	19	4.1			680	98				
	Jet-Brown	1.5	5					60	13.1	50	10.9	43	9.4	29	6.3	17	3.7			670	97	340	49		
	Venturi-White	4.0	13					48	10.5	41	9.0	35	7.6	24	5.2	14	3.0			645	93	to	to		
		6.0	20					38	8.3	37	8.1	32	7.0	21	4.6	11	2.4			630	91	510	74		
		7.5	25					31	6.8	31	6.8	28	6.1	20	4.3	10	2.1			620	90				
125S 1ph 2.1kW *	22693*	0	0	126	27.7	126	27.7	100	21.9	72	15.8	51	11.2							482	70				
	Jet-Black	1.5	5	113	24.8	113	24.8	84	18.4	64	14.0	45	9.8							470	68	260	38		
	Venturi-Black	4.0	13	93	20.4	93	20.4	70	15.3	50	10.9	28	6.1							445	64	to	to		
		6.0	20	70	15.3	70	15.3	59	12.9	36	7.9	11	2.4							425	62	380	55		
1.4kW ◊ 8.5A	22694	0	0					90	19.7	78	17.1	67	14.7	47	10.3	28	6.1			660	96				
	Jet-Green	1.5	5					82	18.0	73	16.0	63	13.8	43	9.4	24	5.2			650	94	340	49		
	Venturi-Brown	4.0	13					67	14.7	66	14.5	56	12.3	37	8.1	19	4.1			630	91	to	to		
		6.0	20					53	11.6	53	11.6	52	11.4	34	7.4	16	3.5			615	89	510	74		
		7.5	25					44	9.6	44	9.6	44	9.6	33	7.2	15	3.2			605	88				
165S 1ph 2.4kW *	22697*	0	0	165	36.2	165	36.2	105	23.0	77	16.9	62	13.6							490	71				
	Jet-White	1.5	5	144	31.6	144	31.6	90	19.7	67	14.5	53	11.6							480	70	260	38		
	Venturi-Yellow	4.0	13	120	26.3	120	26.3	82	18.0	58	12.7	38	8.3							454	66	to	to		
		6.0	20	90	19.7	90	19.7	76	16.7	52	11.4	26	5.7							440	64	380	55		
1.8kW ◊ 10.0A	22698	0	0					112	24.6	88	19.3	76	16.7	51	11.2	26	5.7			630	91				
	Jet-Red	1.5	5					100	21.9	82	18.0	71	15.6	47	10.3	22	4.8			622	90	340	49		
	Venturi-Red	4.0	13					88	19.3	75	16.4	64	14.0	41	9.0	16	3.5			598	87	to	to		
		6.0	20					70	15.3	64	14.0	57	12.5	32	7.0	8	1.7			572	83	510	74		
2.3kW * 1.8kW ◊ 4.2A	22699	0	0											53	11.6	42	9.2	30	6.5	24	5.3	830	120		
	Jet-Red	1.5	5											50	10.9	39	8.5	28	6.1	22	4.8	823	119		
	Venturi-Green	4.0	13											48	10.5	36	7.9	25	5.4	20	4.4	805	117		
		6.0	20											43	9.4	34	7.4	23	5.0	17	3.7	795	115		
		7.5	25											34	7.6	32	7.0	21	4.6	16	3.5	778	113		

★ Input kW (P₁) ◊ Output kW (P₂)

Important Information

- Denotes standard configuration. Models 95S, 125S & 165S may be converted to higher pressure by fitting relevant Jet & Venturi.
- Plumbing Connections: Inlet – 1 1/2" (38 mm) BSPP Female. Outlet – 1 1/4" (32mm) BSPP Female – all models.
- Pumps are supplied with pressure switches connected, suitable for automatic pressure system operation.
- To convert litres/minute to gallons/hour multiply by 13.2. All imperial data is an approximation of metric figures. Specifications subject to change without notice.
- All single phase models supplied with plug and lead for 220/250 volt 50Hz operation. For 3 phase nominal 415 volt, specify when ordering (available for 165S).