

DAVEY

Shallow Well

Model Numbers:
095S1T, 125S1T, 165S1T

GUARANTEE
2 YEARS

APPLICATIONS

Ideal for supplying high pressure water for farm water supply from dams, creeks and rivers, tank filling, stock watering and sprinkler supply.

SHALLOW WELL JET PUMP

FEATURES & BENEFITS

The combination of high pressures supplied by the jet assisted shallow well pump and constant flow with loss of prime protection provided by the Torrium2 controller enables consistent and trouble free operation whilst protecting the pump from damage.

- **The Torrium2 controller is supplied connected electrically to the shallow well pump motor for:**
  - Easy non-tradesman installation and assembly
  - Positive safety under varied weather conditions
- **All parts of the system that are in contact with the water are manufactured from safe, corrosion resistant materials for:**
  - Consumer confidence that their water supply will be as good coming out as it was going into the system
  - Ability to use the shallow well pressure system on a variety of water qualities
- **Compliance with the strict requirements of ISO 9001.2000 quality standards ensures** consistency of quality of the system.

PUMP

- 1 stage (single impeller)
- Open vane impeller
- Stainless steel impeller wear plate
- Inbuilt check valve
- Mechanical shaft seal
- Oring casing seal

MOTOR

- Davey manufactured
- TEFC with IP55 enclosure
- Class F insulation
- Double contact C3-HTG sealed bearings
- Inbuilt thermal overload protection
- Plastic feet on motor shell

For more detailed information on the Torrium2 controller, please refer to the Torrium2 datasheet on the Davey website.

Shallow Well Pressure Systems

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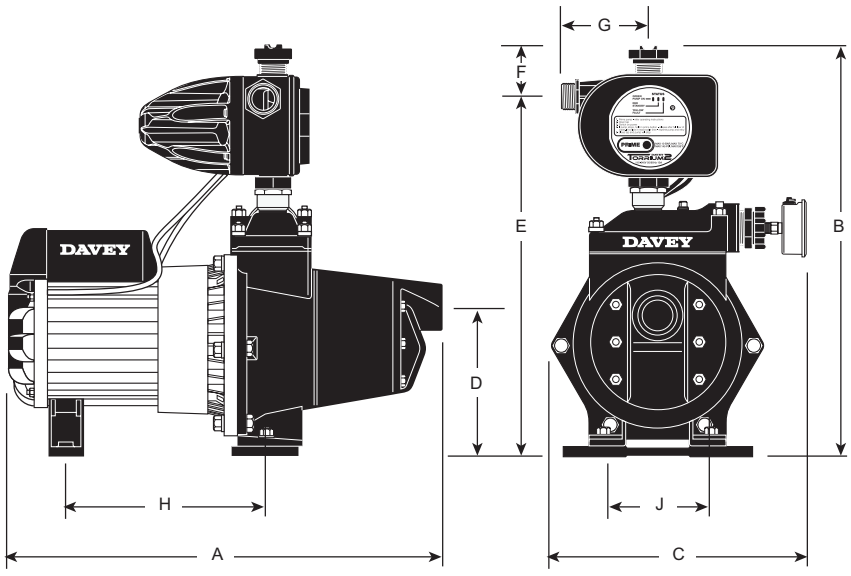
OPERATING LIMITS			
Model	095S1T	125S1T	165S1T
Maximum capacity (@260kPa, nil suction) lpm	95	126	165
Maximum suction head (m)	7.5		
Maximum water temperature	50°C		
Minimum water temperature	1°C		
Inlet size	1 1/2" BSP(F)		
Outlet size	1 1/4" BSP(F)		

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
O-rings	Nitrile rubber
Priming plug	Nylon
Shaft sleeve	316 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 – Type	095S1T	125S1T	165S1T
Supply voltage (1ø)	220-250		
Output power (kW)	1.1	1.4	1.8
Maximum rated current @ 240V/415V (amps)	7.2	8.5	10
Locked rotor current @ 240V/415V (amps)	21	25	39
Insulation class	F		
IP rating	IP56		
Starting (1ø)	P.S.C.		
Torrium2			
Model	TT70		
Voltage	110-240V±10%		
Phase	Single		
Hz	50 / 60		
IP rating	IP56		
Maximum load current	10A		
Maximum motor size @ 240V input	1.8kW		
Surge protection	Varistor		

IDENTIFICATION			
Model Number	095S1T	125S1T	165S1T
Pump	95S	125S	165S

DIMENSIONS (mm)												
Model	A	B	C	D	E	F	G	H	J	Inlet B.S.P.	Torrium Outlet B.S.P.	Net Weight (kg)
095S1T	535	490	295	158	430	75	115	210	210	1 1/2"F	1"M	21
125S1T	555	490	295	158	430	75	115	230	210	1 1/2"F	1"M	23.5
165S1T	555	490	295	158	430	75	115	230	210	1 1/2"F	1"M	24



Shallow Well Pressure Systems

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SHALLOW WELL PUMPS

Pump Model	Jet Kit No.	Total Suction Head		Delivery Head in metres/feet																Maximum Shut-Off Pressure		Pressure Switch Setting	
				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				
		m	ft	Output per minute in litres/gallons																		kPa	psi	kPa	psi
95ST	22690*	**0**	0	**95**	20.8	**91**	20.0	**60**	13.1	**42**	9.2	**29**	6.3									**480**	70		
		1.5	5	**86**	18.9	**83**	18.2	**55**	12.0	**40**	8.7	**27**	5.9									**476**	69	**260**	38
1ph	Jet-Black	**4.0**	13	**70**	15.3	**69**	15.1	**45**	9.8	**30**	6.5	**17**	3.7									**450**	65	**to**	to
	Venturi-Green	**6.0**	20	**55**	12.0	**55**	12.0	**37**	8.1	**22**	4.8	**10**	2.1									**430**	62	**380**	55
1.6kW *		**7.5**	25	**42**	9.2	**42**	9.2	**34**	7.4	**15**	3.2											**412**	60		
	22691	**0**	0					**65**	14.2	**53**	11.6	**46**	10.1	**31**	6.8	**19**	4.1					**680**	98		
1.1kW ✪		**1.5**	5					**60**	13.1	**50**	10.9	**43**	9.4	**29**	6.3	**17**	3.7					**670**	97	**340**	49
	Jet-Brown	**4.0**	13					**48**	10.5	**41**	9.0	**35**	7.6	**24**	5.2	**14**	3.0					**645**	93	**to**	to
7.2A	Venturi-White	**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		
125ST	22693*	**0**	0	**126**	27.7	**126**	27.7	**100**	21.9	**72**	15.8	**51**	11.2									**482**	70		
		1.5	5	**113**	24.8	**113**	24.8	**84**	18.4	**64**	14.0	**45**	9.8									**470**	68	**260**	38
	Jet-Black	**4.0**	13	**93**	20.4	**93**	20.4	**70**	15.3	**50**	10.9	**28**	6.1									**445**	64	**to**	to
	Venturi-Black	**6.0**	20	**70**	15.3	**70**	15.3	**59**	12.9	**36**	7.9	**11**	2.4									**425**	62	**380**	55
1ph		**7.5**	25	**57**	12.5	**57**	12.5	**43**	9.4	**18**	3.9											**400**	58		
	22694	**0**	0					**90**	19.7	**78**	17.1	**67**	14.7	**47**	10.3	**28**	6.1					**660**	96		
2.1kW *		**1.5**	5					**82**	18.0	**73**	16.0	**63**	13.8	**43**	9.4	**24**	5.2					**650**	94	**340**	49
	Jet-Green	**4.0**	13					**67**	14.7	**66**	14.5	**56**	12.3	**37**	8.1	**19**	4.1					**630**	91	**to**	to
1.4kW ✪	Venturi-Brown	**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		
	22695#	**0**	0									**60**	13.1	**45**	9.8	**31**	6.8	**20**	4.3			**780**	113		
8.5A		**1.5**	5									**54**	11.8	**39**	8.5	**28**	6.1	**17**	3.7			**750**	109	**410**	59
	Jet-Yellow	**4.0**	13									**48**	10.5	**36**	7.9	**25**	5.4	**15**	3.2			**730**	106	**to**	to
	Venturi-White	**6.0**	20									**38**	8.3	**33**	7.2	**23**	5.0	**13**	2.8			**710**	103	**590**	86
		7.5	25									**31**	6.8	**28**	6.1	**19**	4.1	**10**	2.1			**690**	100		
165ST	22697*	**0**	0	**165**	36.2	**165**	36.2	**105**	23.0	**77**	16.9	**62**	13.6									**490**	71		
		1.5	5	**144**	31.6	**144**	31.6	**90**	19.7	**67**	14.5	**53**	11.6									**480**	70	**260**	38
	Jet-White	**4.0**	13	**120**	26.3	**120**	26.3	**82**	18.0	**58**	12.7	**38**	8.3									**454**	66	**to**	to
	Venturi-Yellow	**6.0**	20	**90**	19.7	**90**	19.7	**76**	16.7	**52**	11.4	**26**	5.7									**440**	64	**380**	55
1ph		**7.5**	25	**70**	15.3	**70**	15.3	**60**	13.1	**32**	7.0											**415**	60		
	22698	**0**	0					**112**	24.6	**88**	19.3	**76**	16.7	**51**	11.2	**26**	5.7					**630**	91		
2.4kW *		**1.5**	5					**100**	21.9	**82**	18.0	**71**	15.6	**47**	10.3	**22**	4.8					**622**	90	**340**	49
1.8kW ✪	Jet-Red	**4.0**	13					**88**	19.3	**75**	16.4	**64**	14.0	**41**	9.0	**16**	3.5					**598**	87	**to**	to
10.0A	Venturi-Red	**6.0**	20					**70**	15.3	**64**	14.0	**57**	12.5	**32**	7.0	**8**	1.7					**572**	83	**510**	74
		7.5	25					**54**	11.8	**54**	11.8	**50**	10.9	**26**	5.7							**552**	80		

★ Input kW (P_1) ✪ Output kW (P_2)

IMPORTANT INFORMATION

- Plumbing Connections: Inlet – 1½" (38 mm) BSPP Female. Outlet – 1¼" (32mm) BSPP Female – all models.
- 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 models are supplied with plug and lead for 220/250 volt 50Hz operation.

H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

daveywater.com

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