

DAVEY 4" SUBMERSIBLE BORE PUMPS

KEY FEATURES

- Sand clearance up to 300g/m³
- High quality, durable techno polymer floating impeller
- Stainless-steel hexagonal section drive shaft and heavy duty stainless-steel outer casing shell
- Quality shaft bearings provide low friction and high wear resistance.
- Energy saving design

Pump Specifications

OPERATING LIMITS	
Nominal flows	"2, 3, 4, 6, 8, 10 & 12 m ³ /hr 35, 50, 70, 100, 135, 170 & 200 lpm"
Maximum flow	300 lpm (18 m ³ /hr)
Heads	up to 235 metres
Motors	0.37kW (0.5hp) to 7.5kW (10hp)
Maximum water temperature	35°C
Pumped liquid	Clean, thin, non-aggressive liquids without solid particles or fibres.
Max sand content	300g/m ³ - not continuous
Operating position	Vertical to horizontal

TYPE KEY: COMPLETE PUMPS

Example: KDPS2-07-037R21		K	DPS	2	-07	-037	R	2	1
Product Figuration	Complete Pump, Motor, Control box (where needed) and splice kit	X							
Pump Type	DPS		X						
Rated flow@ BEP (m ³ /hr)				X					
Dash separator with number of stages following					X				
Dash separator with kW designation						X			
Motor Type	R = Rewindable						X		
Wire number (+ earth)	2 wire or 3 wire							X	
Phase	1 phase or 3 phase								X

MATERIALS OF CONSTRUCTION

Discharge	Cast 304 stainless steel
Impeller	Polycarbonate
Diffuser	Noryl GFN2
Shaft guide bearing	Nitrile Butadiene Rubber (NBR)
Shaft guide sleeve	304 stainless steel
Pump casing	304 stainless steel
Shaft	420 stainless steel
Coupling	304 stainless steel
Wear rings	304 stainless steel
Check valve	304 stainless steel with NBR sealing gasket
Cable guard	304 stainless steel
Fasteners	304 stainless steel
Suction cage	304 stainless steel
Suction strainer	304 stainless steel

DAVEY SUPPORT CENTRE
Ph 1300 369 100

CONTINUOUS FLOW RATES				
Model	Minimum		Maximum	
	lpm	m ³ /hr	lpm	m ³ /hr
DPS2	20	1.2	60	3.6
DPS3	20	1.2	90	5.4
DPS4	40	2.4	100	6.0
DPS6	40	2.4	160	9.6
DPS8	80	4.8	200	12
DPS10	100	6.0	250	15
DPS12	150	9.0	300	18

Motor Specifications

DM – REWINDABLE MOTOR			
MOTOR OPERATING LIMITS	230V - 2 Wire	230V - 3 Wire	3 Phase
Horizontal installation		✓	
Maximum immersion depth		150m	
Maximum water temperature		35°C	
Liquid pH range		5.8->8.6	
Maximum starts per hour		30	
Voltage tolerance ±		±10%	

TYPE KEY: MOTORS								
Example		K	D	M	1	0	7	5
Product Figuration	Complete Motor and Control box	X						
Motor Type	DM Rewindable		X	X				
Phase	1 or 3				X			
kW	0.37 to 7.50					X	X	X

DM – REWINDABLE MOTOR			
MOTOR FEATURES	230V - 2 Wire	230V - 3 Wire	3 Phase
Quick maintenance and easy to rewind		✓	
Lubrication of rotor and bearings	FDA Approved Food Grade with high thermal capacity		
Mechanical Seal	Hard face - Silicon Carbide / Ceramic		
Sand slinger protection	✓	✓	✓
Nema Motor to Pump Coupling	✓	✓	✓
Replacable Motor leads	✓	✓	✓
Motor casing	304 stainless steel		
Upper bracket	Cast iron/ nickel plated		
In-built thermal overload protection	✓		



daveywater.com

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DWIP2571/0922

DEPEND ON **DAVEY**

EFFICIENT.
ROBUST.
CAPABLE.

NEW
DAVEY 4"
BOREHOLE
PUMPS



daveywater.com



NEW DAVEY 4" BOREHOLE PUMPS

A bore can help you unlock water sources beneath the surface, so you don't have to rely on surface streams or rainwater – both of which can be unpredictable in Australia.

But a bore is only as reliable as the pump you use, which is why the new range of Davey borehole pumps is designed with dependability in mind.

Davey's new range of 4" borehole pumps and motors are corrosion and abrasion resistant and designed for domestic water supply, turf watering, irrigation, stock watering, dewatering or fountains.

These proven and reliable products are ready for the harshest conditions, ensuring optimal performance in all situations – including the sandiest bores.

The new range includes an impressive sand handling capability of up to 300g/m³ - which is double the capacity of the current Davey range.

With an extensive range of 44 pumps offering flow rates from 2m³ to 12m³ per hour, there's a Davey 4" bore pump to suit every application.

EFFICIENT. ROBUST. CAPABLE.

APPLICATIONS

- Domestic water supply
- Turf watering
- Irrigation
- Stock watering
- Dewatering
- Fountains

RANGE OVERVIEW

- 7 Models – 44 Pumps
- Rated flow: 2m³/hr(33lpm) to 12m³/hr(200lpm)
- Maximum Head: Up to 270m
- Single Phase, 2 Wire: up to 1.1kW
- Single Phase, 3 Wire: Up to 2.2kW
- Three Phase: Up to 7.5kW

SELECTION GUIDE

EFFICIENT. ROBUST. CAPABLE.

Old Model	Outlet Size	Power		New Model	Outlet Size	Power		BEP Lpm	Q(l/min) Q(m ³ /h)	0	20	40	60	80	100	120	140	160	180	200	225	250	275	300
		kW	HP			kW	HP																	
J540D	1 1/4"	0.37	0.5	DPS2-07	1 1/4"	0.37	0.5	42	H(m)	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.5	15.0	16.5	18.0
J740D		0.55	0.75	DPS2-10		0.55	0.75	42		40	31	15												
J1040D		0.75	1	DPS2-14		0.75	1	42		57	44	22												
J1540D		1.1	1.5	DPS2-21		1.1	1.5	42		80	62	31												
J2040MD		1.5	2	DPS2-28		1.5	2	42		120	93	46												
J3040MD		2.2	3	DPS2-41		2.2	3	42		160	124	61												
											234	182	90											
J760D	1 1/4"	0.55	0.75	DPS3-07	1 1/4"	0.55	0.75	52	H(m)	46	41	32	20											
J1060D		0.75	1	DPS3-10		0.75	1	52		65	59	46	28											
J1560D		1.1	1.5	DPS3-14		1.1	1.5	52		91	82	65	39											
J2060MD		1.5	2	DPS3-20		1.5	2	52		130	118	93	56											
J3060MD		2.2	3	DPS3-29		2.2	3	52		189	170	134	82											
J1080D	2"	0.75	1	DPS4-06	2"	0.55	0.75	70	H(m)	38	34	25	12											
				DPS4-08		0.75	1	70		51	45	34	17											
J1580D	2"	1.1	1.5	DPS4-12		1.1	1.5	70		77	68	50	25											
J2080MD		1.5	2	DPS4-16		1.5	2	70		102	90	67	33											
				DPS4-23		2.2	3	70		147	129	96	47											
J3080MD	2"	2.2	4	DPS4-32*		3	4	70		204	180	134	66											
				DPS4-42*	4	5.5	70	268	236	176	87													
				DPS6-04	2"	0.55	0.75	120	H(m)	24	23	22	20	17	14	10								
				DPS6-06		0.75	1	120		36	34	32	30	26	21	14								
				DPS6-09		1.1	1.5	120		53	51	48	44	39	32	21								
				DPS6-12		1.5	2	120		71	68	65	59	52	42	29								
				DPS6-17		2.2	3	120		101	97	92	84	73	60	41								
				DPS6-23		3	4	120		136	131	124	113	99	81	55								
				DPS6-31*		4	5.5	120		184	176	167	153	134	110	74								
				DPS6-42*		5.5	7.5	120		249	239	226	207	181	149	100								
				DPS8-04	2"	0.75	1	130	H(m)	24	22	21	18	15	11	4								
J15110D	2"	1.1	1.5	DPS8-07		1.1	1.5	130		41	39	36	32	27	19	8								
J20110D	2"	1.5	2	DPS8-09		1.5	2	130		53	50	46	42	35	25	10								
J30110D	2"	2.2	3	DPS8-13		2.2	3	130		77	72	67	60	50	36	14								
				DPS8-18		3	4	130		107	100	93	83	69	50	19								
J50110D	2"	3.7	5.5	DPS8-24		4	5.5	130		142	133	124	111	92	66	26								
				DPS8-31*	5.5	7.5	130	184	172	160	143	119	86	33										
				DPS8-42*	7.5	10	130	249	233	216	194	162	116	45										
				DPS10-04	2"	0.75	1	160	H(m)	24	23	21	19	17	14	12	9							
J15160D	2"	1.1	1.5	DPS10-05		1.1	1.5	160		30	29	26	24	21	18	15	11							
J20160D	2"	1.5	2	DPS10-07		1.5	2	160		42	40	36	33	30	25	21	15							
J30160D	2"	2.2	3	DPS10-10		2.2	3	160		60	56	52	47	42	36	30	22							
				DPS10-14		3	4	160		83	79	73	66	60	50	42	31							
J50160D	2"	3.7	5.5	DPS10-19		4	5.5	160		113	106	99	90	80	68	57	42							
				DPS10-26*	5.5	7.5	160	155	145	135	123	110	94	78	57									
				DPS10-35*	7.5	10	160	208	195	182	165	149	129	105	77									
				DPS12-04	2"	1.1	1.5	180	H(m)	25	22	19	17	15	12	8	4							
J20250D	2"	1.5	2	DPS12-05		1.5	2	180		29	27	25	22	18	15	10	5							
J30250D	2"	2.2	3	DPS12-07		2.2	3	180		40	38	35	30	26	21	14	7							
				DPS12-10		3	4	180		58	54	49	43	37	29	20	9							
J50250D	2"	3.7	5.5	DPS12-13		4	5.5	180		75	70	64	56	48	38	26	12							
				DPS12-18*		5.5	7.5	180		103	96	89	78	66	53	36	17							
				DPS12-24*	7.5	10	180	138	129	119	104	88	71	48	23									

Denotes: Non-stocked model. Delivery to confirmation at time of order.