

DAVIES DR 4" SUBMERSIBLE BORE PUMPS

The Davies DR series bore hole pumps have been developed using state-of-the-art design and manufacturing technology to achieve the highest standard of energy efficiency.

The rugged construction using corrosion and abrasion resistant stainless steel ensures long term durability and service life.

PUMP FEATURES:

- Full 304 stainless steel construction (except shaft-431)
- Heavy duty outlet head with Integral check valve
- NEMA standard motor mount flange and spline.
- Stainless steel inlet strainer

MOTOR FEATURES

- Non-toxic Oil Filled
- Removable waterproof cable connector
- Single Phase 230V 2 Wire (incorporated capacitor)
3 wire (surface mounted capacitor/control) and
400V 3ph options
- 0.37-2.2Kw 230v Single phase 50Hz
- 0.37-7.5Kw 400v Three Phase 50Hz

OPERATING PARAMETERS

- Max voltage variation: +10% / -10%
- Maximum starts per Hour: 40
- Maximum water temperature: 40°C
- Minimum flow rate: 0.2m/sec (motor cooling)
- Axial thrust limits: 0.37-1.5Kw: 2000N, 2.2Kw: 3000N
3.0-7.5Kw: 5000N
- Maximum submerged depth: 200m



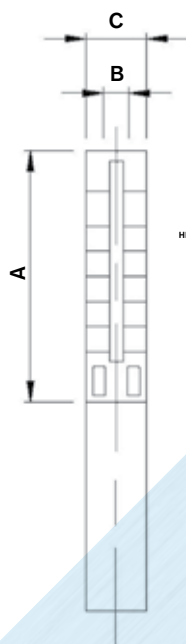
TECHNICAL DATA DRS-12

DAVIES DRS-12 SERIES 4" BORE PUMPS									
Model no.	Nom Size	HP	Kw	Outlet	Code	List Price			
						Pump Only	Pump & Motor Kit*		
							230v 1Ph 2 wire motor & Pump	230v 1Ph 3 wire motor & Pump	400v 3 Phase motor & Pump
DRS-12/05	12m3/h	2.0	1.5	2"	D	241-DRS-12/05	241-DRS-12/05K2	241-DRS-12/05K3	241-DRS-12/05K4
DRS-12/07	12m3/h	3.0	2.2	2"	D	241-DRS-12/07	-	241-DRS-12/07K3	241-DRS-12/07K4
DRS-12/10	12m3/h	4.0	3.0	2"	D	241-DRS-12/10	-	241-DRS-12/10K3	241-DRS-12/10K4
DRS-12/13	12m3/h	5.5	4.0	2"	D	241-DRS-12/13	-	-	241-DRS-12/13K4
DRS-12/18	12m3/h	7.5	5.5	2"	D	241-DRS-12/18	-	-	241-DRS-12/18K4
DRS-12/25	12m3/h	10.0	7.5	2"	D	241-DRS-12/25	-	-	241-DRS-12/25K4

PERFORMANCE DATA															
Model No.	Hp	Kw	Stages	L/min	Flow										
					m3/h	0	80	100	120	140	160	180	200	250	300
DRS-12/05	2.0	1.5	5	33		32	31	30	28	27	26	22	16		
DRS-12/07	3.0	2.2	7	46		44	43	42	40	37	36	30	20		
DRS-12/10	4.0	3.0	10	65		62	60	58	57	54	52	43	29		
DRS-12/13	5.5	4.0	13	84		80	78	77	74	72	67	56	38		
DRS-12/18	7.5	5.5	18	117		111	108	104	102	97	93	77	54		
DRS-12/25	10.0	7.5	25	163		154	149	145	141	135	129	107	75		

DIMENSIONS				
Model No.	A	B	C	KG*
DRS-12/05	505	2"	98	5.0
DRS-12/07	635	2"	98	6.3
DRS-12/10	830	2"	98	8.2
DRS-12/13	1025	2"	98	10.2
DRS-12/18	1350	2"	98	13.4
DRS-12/25	1805	2"	98	17.8

*Pump only, does not include weight of motor



DRS-12

