DEEP WELL SELF-PRIMING JET PUMPS “DP-A”



TECHNICAL FEATURES

- Deep-well self-priming pump installed above ground with the jet body submerged; operates even when the static water level in the well falls as far as 35 metres below the pump.
- Reliable, economical and simple to use: suited to domestic applications, automatic water distribution from small and medium-sized surge tanks, and garden watering.
- For use wherever the suction depth exceeds the normal capacity of surface pumps.
- Suitable for clean water and liquids that are not chemically aggressive to the pump components.
- Install in an enclosed area, or at least sheltered from bad weather.

MOTOR

- Two-pole induction motor (n = 2850 rpm)
- Insulation class B; protection IP44
- Continuous service S1
- Thermal protector on single-phase versions
- Single-phase 220 V / 50 Hz (60 Hz on request)
- Three-phase 380 V / 50 Hz (60 Hz on request)

WORKING CONDITION

- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron
Pump support	Cast iron
Motor housing	Aluminium
Impeller	Brass
Diffuser	Techno-polymer
Motor shaft	Carbon steel, AISI 304 SS on request
Mechanical seal	Ceramic / Graphite

HYDRAULIC PERFORMANCE

ATLAS MIDDLE EAST FZE | Sharjah Hamriyah Freezone – LV-15/C, Sharjah - UAE atlas-me.ae

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NO.	MODEL	HS (m)	POWER kW	POWER HP	Q l/h	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
A1	DP-505A	15	1.1	1.5	H (m)	55	52	49	46	42	38	34	30	28	23	20	18			
B1	DP-750A	15	1.5	2	H (m)	70	68	62	58	53	50	47	44	41	28	35	32	30	28	26
A2	DP-505A	20	1.1	1.5	H (m)	50	47	43	40	35	32	28	25	22						
B2	DP-750A	20	1.5	2	H (m)	65	60	56	52	48	45	42	38	35						
A3	DP-505A	25	1.1	1.5	H (m)	40	35	32	28	25	21	19								
B3	DP-750A	25	1.5	2	H (m)	60	55	50	45	43	40	35	32							
A4	DP-505A	30	1.1	1.5	H (m)	35	32	28	25	22										
B4	DP-750A	30	1.5	2	H (m)	55	50	46	42	40	36									
A5	DP-505A	35	1.1	1.5	H (m)	30	27	24	20											
B5	DP-750A	35	1.5	2	H (m)	50	46	41	37											

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	DP-505A	(1¼" × 1") × 1"	25	490 × 245 × 280
B	DP-750A	(1¼" × 1") × 1"	26	490 × 245 × 280

ACCESSORIES



Accessories as shown.

Performance values at n = 2850 rpm, 50 Hz. Specifications are subject to change without notice.