



DATA SHEET

Submersible Multistage Centrifugal Pump

DSD KIT



PUMP

Dayliff DSD Kits are Submersible Multistage centrifugal pumps specially designed for water supply from wells and boreholes. Material of construction include polycarbonate impellers and diffusers, Stainless steel 201 inlet and delivery and AISI 304 stainless steel pump housing, shaft and shaft coupling. These quality materials together with the polycarbonate impellers provide the pumps with excellent sand handling capabilities for a longer life. The kit comprises of Pump, Motor, Quick connection fittings, Cast Aluminium Well head cover, Safety rope, Dayliff SCT/SCM Controller and a waterproof power Cable up to 150m.

MOTOR

The Kits are coupled to a sealed liquid cooled 2-pole asynchronous squirrel-cage motors constructed of stainless steel. Motors are supplied complete with Single phase or three phase designed DAYLIFF electronic Pump Controllers with comprehensive pump control including wireless low level, motor overload and irregular power supply protection and phase loss for three phase controllers.

Enclosure Class: IP68

Insulation Class: B

Speed: 2850rpm

OPERATING CONDITIONS

Pumped liquid: Thin, clean, chemically non-aggressive liquids with a max. sand content of 0.25%

Max. Water temperature: +35°C

Max. immersion depth: 150m

Min. borehole diameter: 110mm

PUMP DATA

Model	Motor		Current (A)	Voltage	Duty	Cable	Well Head	Outlet Size
	kW	HP						
DSD 3/13	0.75	1.0	6.2	1x240V	3m ³ /hr @ 70m	80m x 1.5mm ²	4"x1¼"	1¼"
DSD 3/30	2.2	3.0	15		3m ³ /hr @ 150m	135m x 6mm ²		
			6	3x415V	3m ³ /hr @ 150m	150m x 2mm ²		
DSD 5/18	1.5	2.0	10.5	1x240V	5m ³ /hr @ 70m	80m x 2.5mm ²		
DSD 5/24	2.2	3.0	15		5m ³ /hr @ 80m	100m x 6mm ²		
			6	3x415V	100m x 2mm ²			
DSD 8/17	2.2	3.0	15	1x240V	8m ³ /hr @ 80m	90m x 6mm ²	4"x 2"	2"
			6	3x415V		90m x 2mm ²		

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