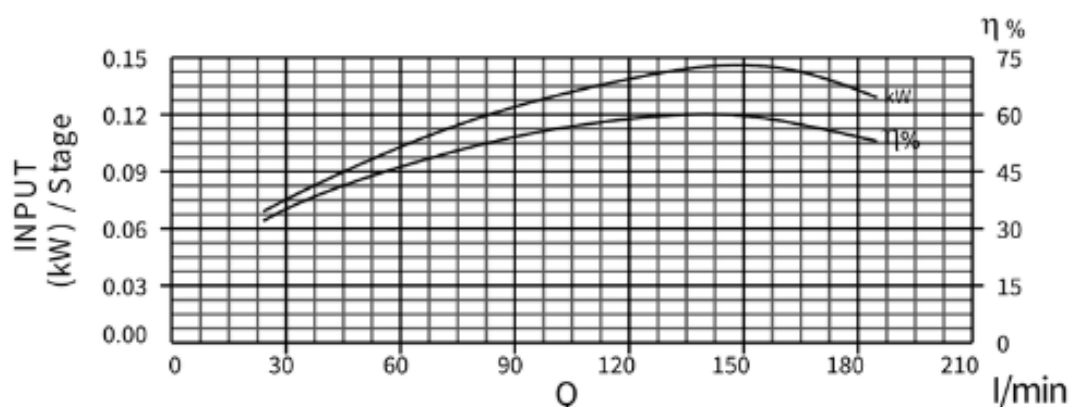
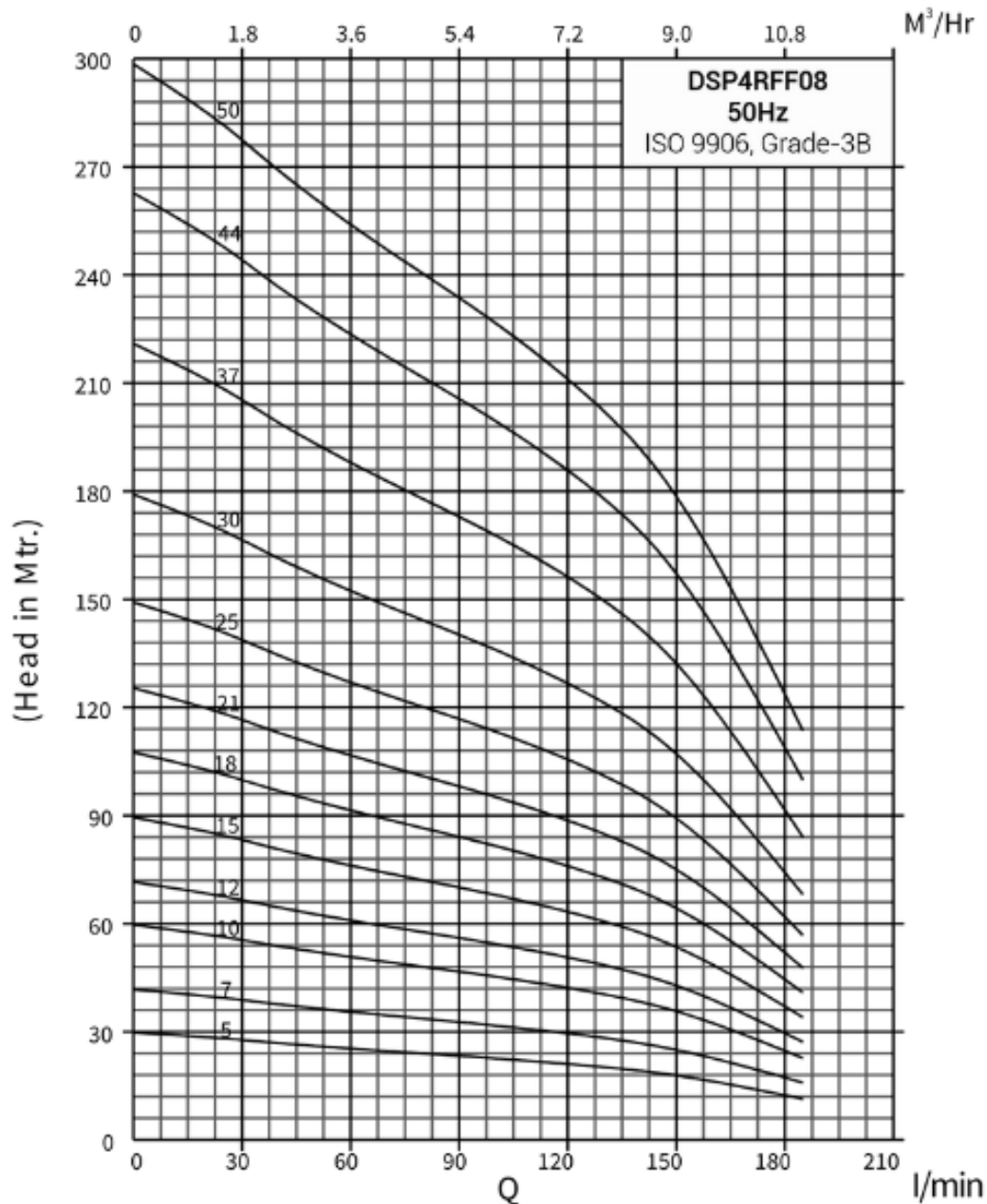


PUMP PERFORMANCE DATASHEET



PUMP

Empower DSP4RFF are fully Stainless Steel, Borehole Deep Well pumps suitable for clear water, high head applications. These Pumps are of Multistage Centrifugal types accommodating Radial flow impellers according to the required Head & Flow. All parts are made from AISI 304 Stainless Steel with the shaft made of SS 431 and having an anti-friction rubber bearing bush to provide wear resistance against sand.

MOTOR

The pump is coupled to a sealed liquid cooled, 2 pole asynchronous squirrel cage motor constructed of Stainless Steel. The Motors are of; High performance, specially designed, with well lubricated thrust bearings to provided high axial thrust loads exerted by whole bore well water column and pumping systems. The mounting dimensions are as per NEMA Standards.

OPERATING CONDITIONS

Pumped liquids: Clean, thin, chemically non-aggressive liquids without solid particles or fibres.

Max Liquid Temp: +40°C

Minimum Borehole Diameter: 110mm

Max Immersion Depth: 200m

Enclosure Class: IP68

Insulation Class: F

Speed: 2900rpm

Voltage: 1PH-240V, 3PH-415V

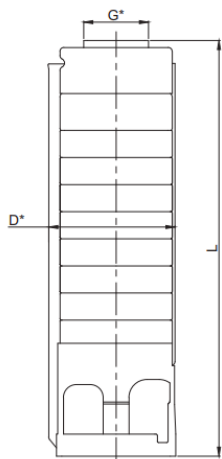
Pipe Connector: BSP connector

Shaft Coupling: Splines

PUMP DATA

DSP4RFF08			Voltage Rating (V)	Motor Joinings	Outlet Size		Discharge					
						m ³ /h	0	4	6	8	9	10
						lpm	0	67	100	133	150	167
0.75	1.0	5	240 / 415	V-4	2" BSP	Head in Mtrs.	30	24	23	20	18	14
1.1	1.5	7	240 / 415	V-4	2" BSP		42	34	32	28	25	20
1.5	2.0	10	240 / 415	V-4	2" BSP		60	48	45	40	36	28
2.2	3.0	12	240 / 415	V-4	2" BSP		72	58	54	48	43	34
2.2	3.0	15	240 / 415	V-4	2" BSP		90	72	68	60	54	42
3.0	4.0	18	415	V-4	2" BSP		108	86	81	72	65	50
4.0	5.5	21	415	V-4	2" BSP		126	101	95	84	76	59
4.0	5.5	25	415	V-4	2" BSP		150	120	113	100	90	70
5.5	7.5	30	415	V-4	2" BSP		180	144	135	120	108	84
5.5	7.5	37	415	V-4	2" BSP		222	178	167	148	133	104
7.5	10.0	44	415	V-4	2" BSP		264	211	198	176	158	123
7.5	10.0	50	415	V-4	2" BSP		300	240	225	200	179	140

Dimensions & Weights



Model Name	SPECIFICATION			
	D (mm)	L (mm)	Pump Weight Kg.	Weight (inc. pKg.) Kg.
DSP4RFF08-05	98	410	7.2	10.2
DSP4RFF08-07	98	494	7.7	10.7
DSP4RFF08-10	98	620	8.4	11.4
DSP4RFF08-12	98	704	8.9	11.9
DSP4RFF08-15	98	830	9.7	12.7
DSP4RFF08-21	98	1082	11.2	14.2
DSP4RFF08-25	98	1250	12.3	15.3
DSP4RFF08-30	98	1460	13.5	16.5
DSP4RFF08-37	98	1754	15.3	18.3
DSP4RFF08-44	98	2048	17.1	20.1
DSP4RFF08-50	98	2300	18.8	21.8

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