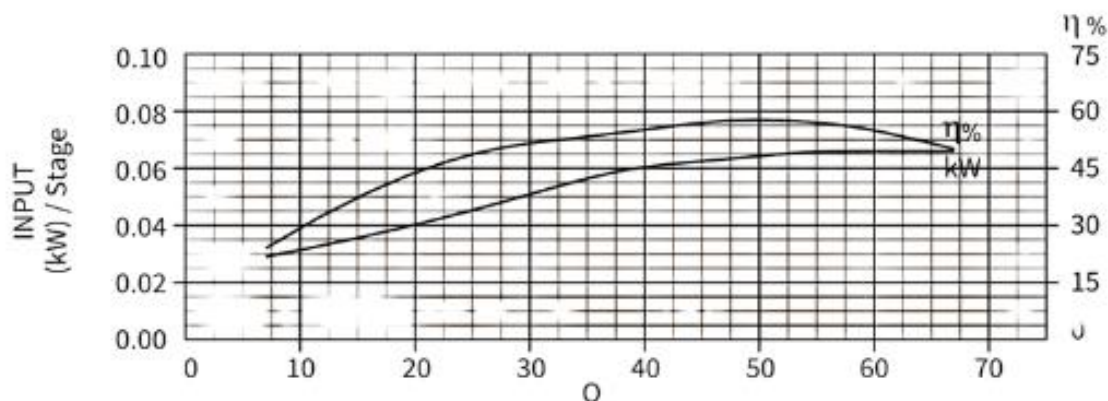
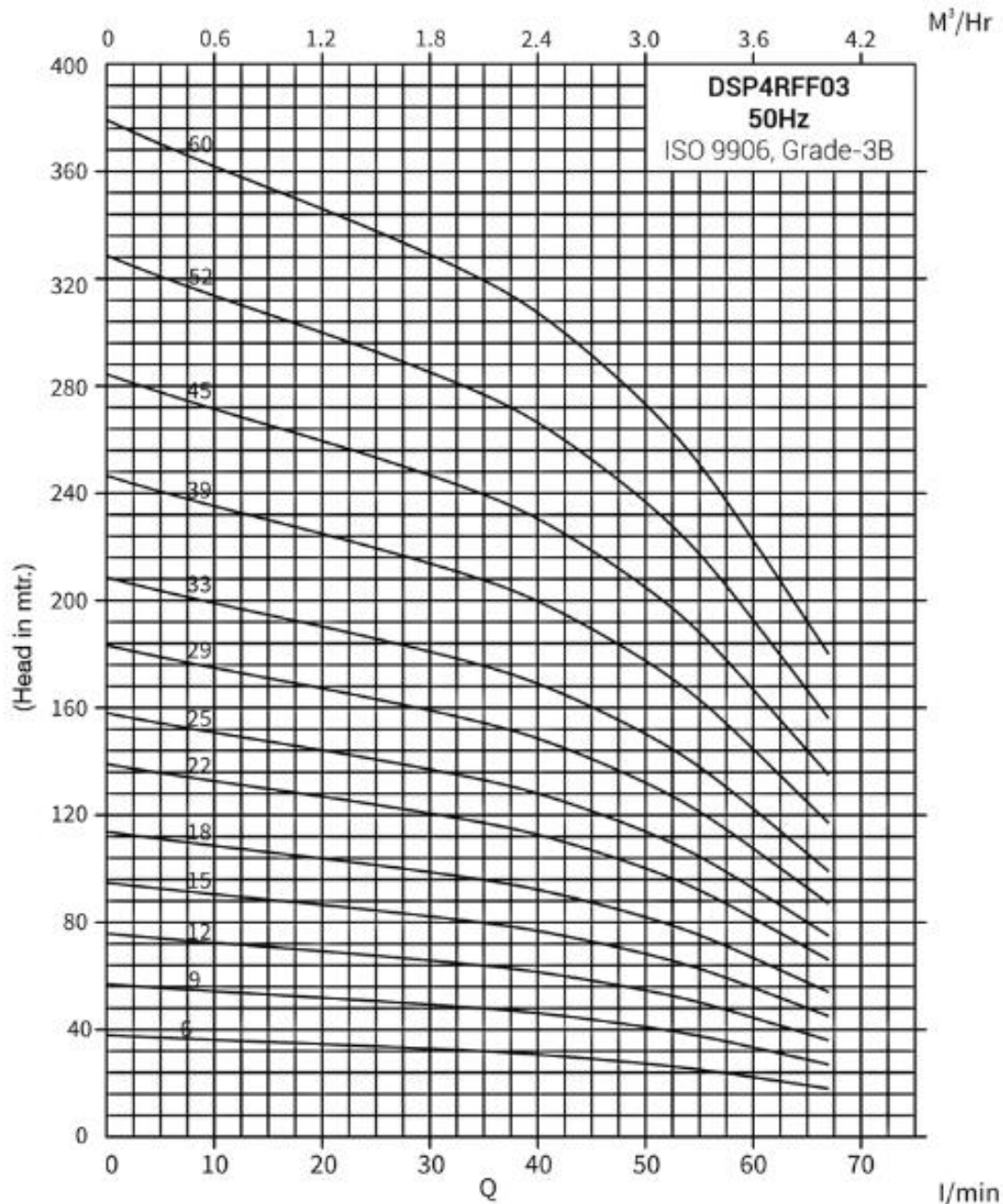


PUMP PERFORMANCE DATASHEET



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

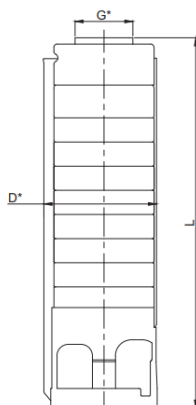
Pipe Connector: BSP connector

Shaft Coupling: Splines

PUMP DATA

DSP4RFF03			Voltage Rating (V)	Motor Joinings	Outlet Size	m ³ /h	Discharge					
							0	1.8	2.4	3	3.6	4
kW	HP	Stage					0	30	40	50	60	67
0.37	0.5	6	240	V-4	1¼" BSP	Head in Mtrs.	36	32	30	26	20	18
0.55	0.75	9	240	V-4	1¼" BSP		54	49	45	39	31	23
0.75	1.0	12	240 / 415	V-4	1¼" BSP		72	65	60	52	41	31
1.1	1.5	15	240 / 415	V-4	1¼" BSP		90	81	75	65	51	39
1.1	1.5	18	240 / 415	V-4	1¼" BSP		108	97	90	78	61	47
1.1	1.5	22	240 / 415	V-4	1¼" BSP		132	119	110	96	75	57
1.5	2.0	25	240 / 415	V-4	1¼" BSP		150	135	125	109	85	65
1.5	2.0	29	240 / 415	V-4	1¼" BSP		174	157	145	126	99	75
2.2	3.0	33	240 / 415	V-4	1¼" BSP		198	178	165	144	112	86
2.2	3.0	39	240 / 415	V-4	1¼" BSP		234	211	195	170	133	101
3.0	4.0	45	415	V-4	1¼" BSP		270	243	225	196	153	117
4.0	5.5	52	415	V-4	1¼" BSP		312	281	260	226	177	135
4.0	5.5	60	415	V-4	1¼" BSP		360	324	300	260	204	155

Dimensions & Weights



Model Name	SPECIFICATION			
	D (mm)	L (mm)	Pump Weight Kg.	Weight (inc. pKg.) Kg.
DSP4RFF03-06	98	280	3.4	4.0
DSP4RFF03-09	98	343	4.4	5.3
DSP4RFF03-12	98	406	5.4	6.6
DSP4RFF03-15	98	469	6.4	7.9
DSP4RFF03-18	98	532	7.4	9.2
DSP4RFF03-22	98	647	8.7	10.9
DSP4RFF03-25	98	710	9.7	12.2
DSP4RFF03-29	98	794	10.9	13.8
DSP4RFF03-33	98	878	12.2	15.5
DSP4RFF03-39	98	1076	12.7	16.6
DSP4RFF03-45	98	1233	14.0	18.5
DSP4RFF03-52	98	1380	15.5	20.7
DSP4RFF03-60	98	1548	17.3	23.3

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