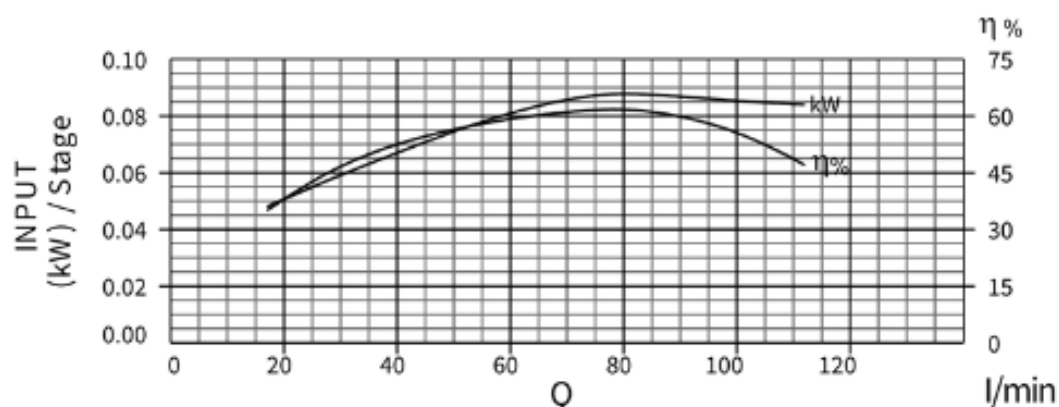
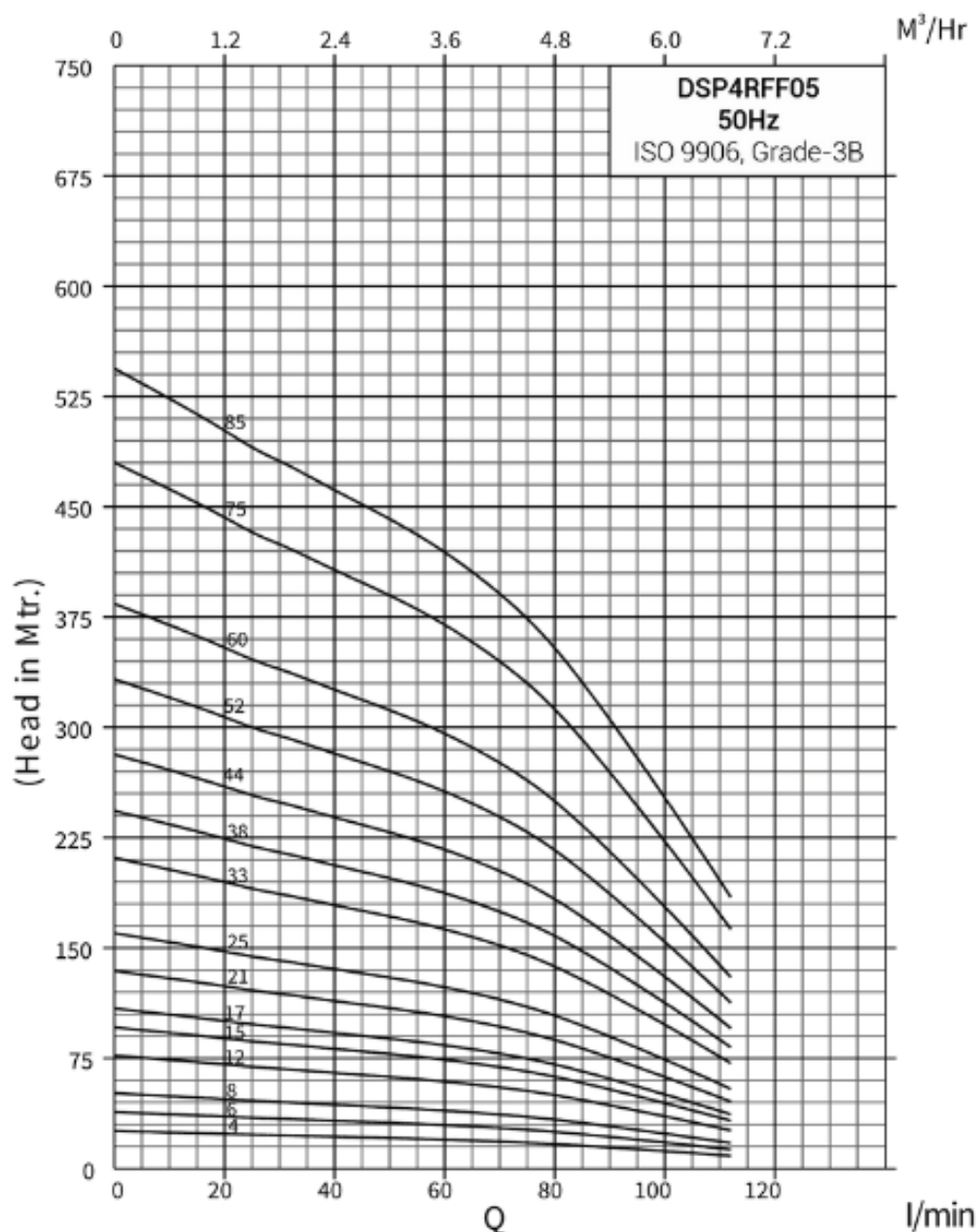


PUMP PERFORMANCE DATASHEET



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

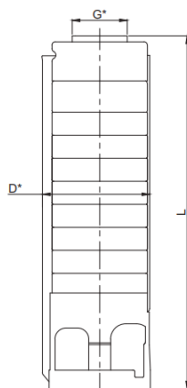
Pipe Connector: BSP connector

Shaft Coupling: Splines

PUMP DATA

DSP4RFF05			Voltage Rating (V)	Motor Joinings	Outlet Size		Discharge					
						m ³ /h	0	2.4	3.4	4	5	6
kW	HP	Stage				lpm	0	40	57	67	83	100
0.37	0.5	4	240	V-4	1½" BSP	Head in Mtrs.	24	21	20	19	16	12
0.55	0.75	6	240	V-4	1½" BSP		36	32	30	28	24	17
0.75	1	9	240 / 415	V-4	1½" BSP		48	42	40	38	32	23
1.1	1.5	12	240 / 415	V-4	1½" BSP		72	63	60	56	48	35
1.5	2	17	240 / 415	V-4	1½" BSP		102	89	85	80	68	49
2.2	3	21	240 / 415	V-4	1½" BSP		126	110	105	99	84	61
2.2	3	25	240 / 415	V-4	1½" BSP		150	131	125	118	100	73
3	4	33	415	V-4	1½" BSP		198	173	165	155	132	96
4	6	38	415	V-4	1½" BSP		228	200	190	179	152	110
4.0	6	44	415	V-4	1½" BSP		264	231	220	207	176	128
5.5	8	52	415	V-4	1½" BSP		312	273	260	244	208	151
5.5	7.5	60	415	V-4	1½" BSP		360	315	300	281	240	174
7.5	10.0	75	415	V-4	1½" BSP		450	394	375	351	300	217
7.5	10.0	85	415	V-4	1½" BSP		510	446	425	398	340	246

Dimensions & Weights



Model Name	Specification			
	D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
DSP4RFF05 -04	98	238	3.2	3.4
DSP4RFF05 -06	98	280	3.6	3.9
DSP4RFF05 -08	98	322	4.0	4.4
DSP4RFF05 -12	98	406	5.6	6.2
DSP4RFF05 -15	98	469	6.6	7.4
DSP4RFF05 -17	98	511	7.0	7.9
DSP4RFF05 -21	98	626	8.4	9.5
DSP4RFF05 -25	98	710	9.7	11.0
DSP4RFF05 -33	98	878	12.5	14.2
DSP4RFF05 -38	98	1169	13.0	14.7
DSP4RFF05 -44	98	1344	14.0	16.0
DSP4RFF05 -52	98	1536	16.3	18.6
DSP4RFF05 -60	119	1820	27.0	29.4
DSP4RFF05 -75	144	2423	43.5	46.1
DSP4RFF05 -85	144	2694	47.5	50.5

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