



MBSS-1 BARREL PUMP



Heavy duty industrial grade fuel pumps designed for everyday use in agriculture, construction, automotive & industrial applications.

Rain & weather proof for tough outdoor use.

Compact & light weight construction.

Silenced motor makes almost no noise.

Stainless steel filter built into the suction tube inlet prevents contaminants from getting in & causing damage.

Duty cycle :- 8 minutes on/ 3 minutes off

- x **Overall size of pump(L x W x H):-** 1375 x 300 x 140mm
- x **Packing size(L x W x H):-** 1470 x 310 x 260 mm
- x **Pump weight:-** 8.6 kg
- x **Pump weight with packing:-** 13 kg

Specification :-

- x **Motor type :-** AC motor
- x **AC power cable length :-** 1.8 meter
- x **Max. Viscosity of media :-** 100 centipoise
- x **Temperature :-** 5°C to 40°C

Wetted components

Stainless steel

Recommended use

Diesel, Kerosene, Bio diesel, DEF, Adblue, Water based media, Antifreeze, Detergents, Light oils with viscosity upto 100 centipoise.

Not to use with

Gasoline, Corrosive chemicals, Lacquer thinner, any material that is not compatible with the pump construction.

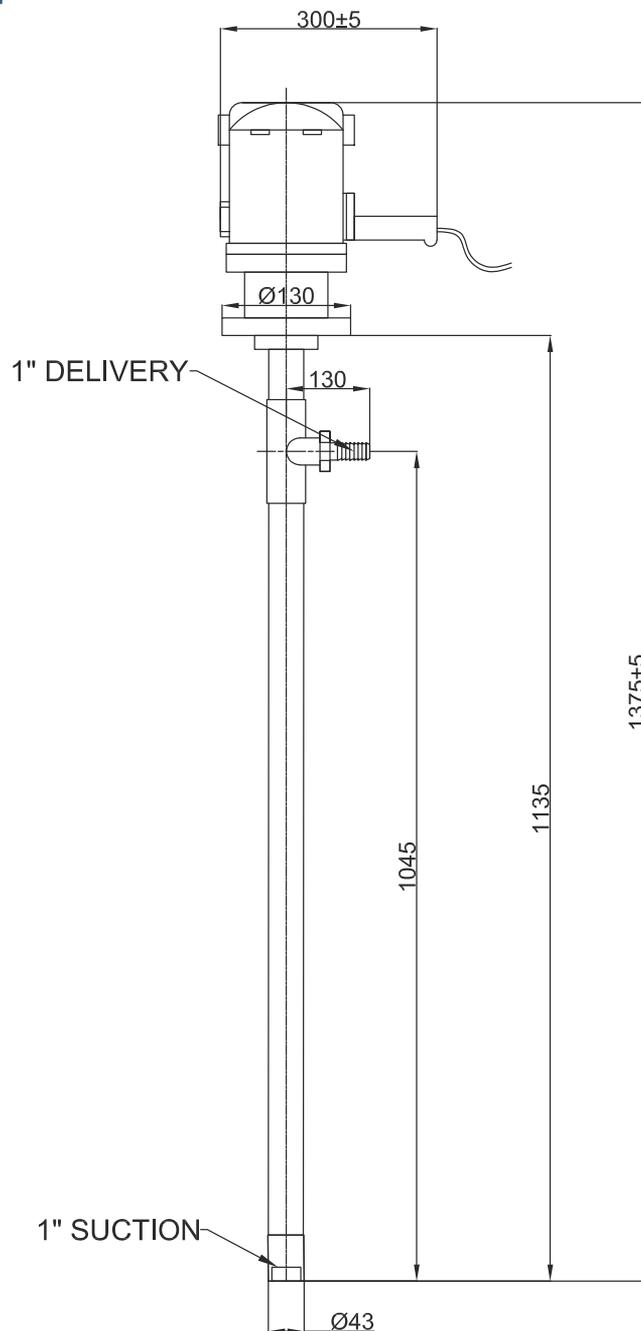


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Description :-

x Inlet pipe diameter :-	Ø43 mm
x Outlet size :-	1" BSP Connection
x Power :-	1hp
x Speed :-	18000 rpm
x Voltage :-	220 volt, 50 hz
x Phase :-	Single

Drawing :-

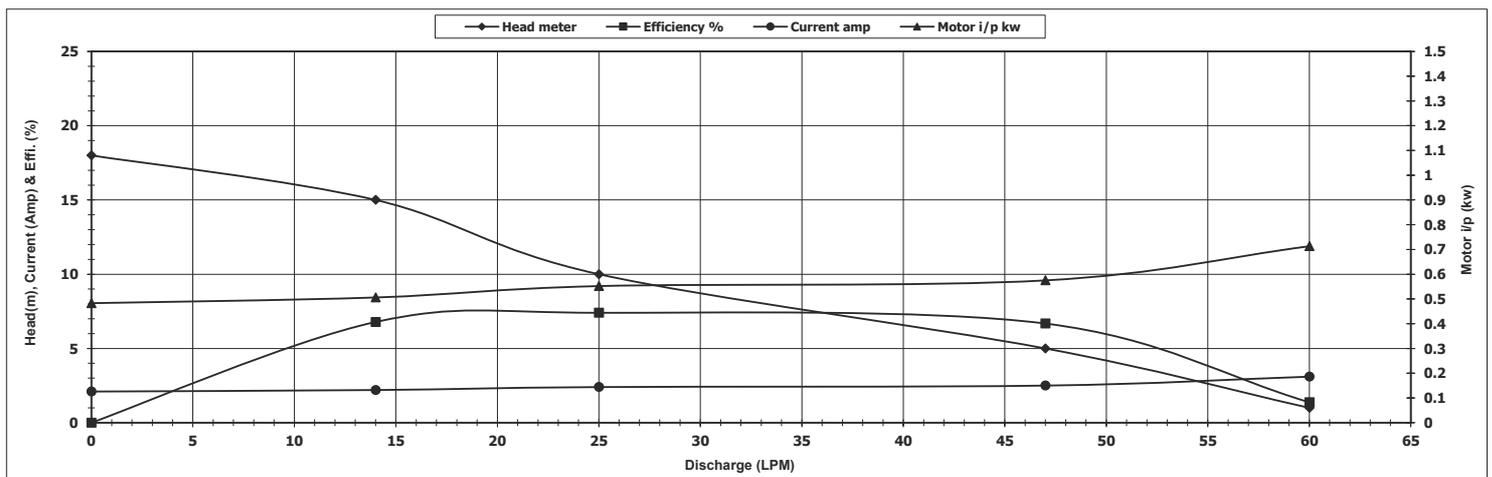




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Performance table :-

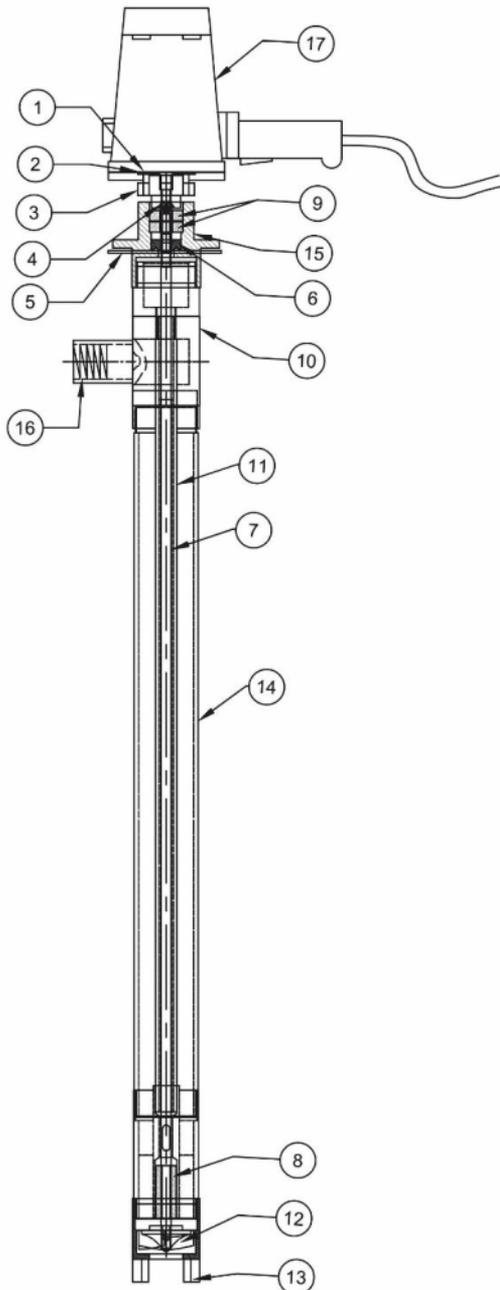
TYPE TEST RECORD SHEET				CREATIVE ENGINEERS											
Model : MBSS-1		K.W : 1.50		230 V / 1 PH / 50 HZ / AC SUPPLY											
Gauge Dis. : 0		Suc. Size : 42 mm													
		Del. Size : 25 mm		Performance at rated Speed : 18000											
Capacity measured by : Flow meter				Suction lift measured by : Vaccum Gauge				Motor Effi. Reference : Performance curve at full load, rpm Nature of test - Performance test as per IS :							
				Delivery head measured by : Pressure Gauge											
Sr. No.	Del Head meter	Suc Head meter	Total meter	Motor i/p kw	Current amp	Freq. Hz	Speed rpm	Disch. lpm	Head meter	Motor i/p kw	Disch. lpm	Pump o/p kw	Efficiency %		
1	1.0	0.0	1.0	0.713	3.1	50.0	18000	60	1.00	0.713	60.00	0.010	1.38		
2	5.0	0.0	5.0	0.575	2.5	50.0	18000	47	5.00	0.575	47.00	0.038	6.68		
3	10.0	0.0	10.0	0.552	2.4	50.0	18000	25	10.00	0.552	25.00	0.041	7.40		
4	15.0	0.0	15.0	0.506	2.2	50.0	18000	14	15.00	0.506	14.00	0.034	6.78		
5	18.0	0.0	18.0	0.483	2.1	50.0	18000	0	18.00	0.483	0.00	0.000	0.00		





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Cross section drawing



NO.	PART NAME	QTY.	MATERIAL
1	SNAP RING (SMALL)	1	SS - 316
2	COUPLING CROSS	1	SS - 316
3	COUPLING HOUSING	1	CI
4	BEARING SHAFT	1	SS - 316
5	SNAP RING(BIG)	1	SS - 316
6	LIP SEAL	1	TEFLON
7	SHAFT	1	SS - 316
8	BUSH BEARING	1	TEFLON
9	BALL BEARING	2	SS
10	DISCHARGE TEE	1	SS - 316
11	INNER PIPE	1	SS - 316
12	IMPELLER	1	SS - 316
13	PUMP BASE	1	SS - 316
14	OUTER PIPE	1	SS - 316
15	BEARING HOUSING	1	CI
16	OUTLET CONNECTION	1	SS
17	MOTOR	1	-