

# MANGLA™ PUMPS



अब, खुशियाँ आपके घर !™

Marching Towards Golden Jubilee  
**50**

**1**  
**CRORE**  
PUMPS

MANUFACTURING  
EXPERIENCE





# MANGLA™ PUMPS

Mangla Engineering Limited, is a company incorporated in the year 1996 under companies act 1956. It is an ISO 9001:2015 BVQI certified company manufacturing electric power driven pump sets primarily for water application, ranging from 0.12 H.P. to 3.0 H.P.

## HISTORY

The present company "Mangla Engineering Limited.", was established in the year 1991 with the name "Mangla Engineering and Company" at Ujjain Road Industrial Estate, Dewas as a partnership firm. The firm was engaged in manufacture and sale of water pumps for domestic application for many OEM'S & National Level Brands.

Gradually the company grew and had to widen their scope of work to cater the needs of domestic pumps of other OEM customers. Besides this, the firm also decided to design, manufacture and sale their own pumps in "Mangla" Brand to cater open market potential. To meet these requirements, Unit-II was established in 1995, which started its commercial production in 1996, at A.B. Road Industrial Estate, Dewas.

At this stage firm management decided to convert the status of the firm from a "Partnership Firm" to a "Limited Company". Thus in 1996, the tiny partnership firm was dissolved and "Limited Company" under the name and style of "MANGLA ENGINEERING LIMITED" was formed.

## MANGLA GROUP OF COMPANIES

- \* MANGLA ENGINEERING LIMITED, UNIT-I (PUMP DIVISION)
- \* MANGLA ENGINEERING LIMITED, UNIT-II (PUMP DIVISION)
- \* MUNSHIRAM INDUSTRIES (WINDING DIVISION)
- \* MUNSHIRAM INDUSTRIES, ARGUS (MACHINE SHOP)
- \* MANGLA ENGINEERING LIMITED (SERVICE CENTRE)
- \* MANGLA ENTERPRISES PRIVATE LIMITED (CI FOUNDRY)

## MISSION

Mangla Engineering Limited is committed to build relationship with its Customer, Suppliers & all other Stake Holders, based on integrity, respect and mutual trust. Our motto is "Win-Win situation" for all. The observance of these principles is giving Mangla Engineering Limited a competitive advantage over others. Mangla Engineering Limited have plans to achieve production level of 6 lacs pumps per annum by 2025 with a sales turnover of 150 crores.

## VISION

We will emerge as a preferred & dependable manufacturer and supplier of energy efficient electric monoblock pump sets for water application.

## APPLICATIONS

- \* Residential, Agriculture and Industrial use.
- \* Pressure Booster System.
- \* Distribution System.
- \* Gardening.
- \* Small Irrigation.
- \* Lawn Sprinklers.
- \* High Rise Buildings.
- \* Overhead Tanks.

## FEATURES

- \* High discharge with low power consumption.
- \* Self priming with built in Non Return Valve.
- \* Fitted with Thermal Overload Protector (TOP) to prevent motor burning.
- \* Metal shielded bearings - No need of external lubrication.
- \* Chrome plated steel shaft for long life and avoiding rust problem.
- \* Sturdy motor body.
- \* Locked impeller for better and consistent performance.
- \* Rigid handle for easy lifting.
- \* Motor can withstand wide voltage fluctuations.
- \* TEFC, Capacitor start and run motor.
- \* B / F class insulation.

## MATERIAL OF CONSTRUCTION

Pump Body	-	Cast Iron
Motor Body	-	Aluminium/Cast Iron
Impeller	-	Brass/Noryl/CI
Ball Bearing	-	Metal Shielded
Shaft	-	Chrome plated steel
Mechanical Seal	-	Carbon & Ceramic



## MINI MAGIC & GOLD SERIES

### SELF PRIMING MONOBLOCK PUMP

Improved

NEW

NEW

Model	Frame	Motor Body	HP/kW		F.L.C.	Capacitor mfd	Pipe Size mm	Head Range m	Discharge Range lph
					Amp.				
Mini Magic	M63F30	Ex. Alu.	0.5/0.37		2.0	6	25 x 25	3 - 21	1850 - 400
Mini Magic Ultra 50	M63F35	Ex. Alu.	0.5/0.37		2.5	10	25 x 25	3 - 21	2100 - 650
Mini Magic Ultra 100	M71F45	Ex. Alu.	1.0/0.75		3.2	12.5	25 x 25	6 - 30	2700 - 500
Mini Gold #	M63F40	Ex. Alu.	0.5/0.37		2.5	10	25 x 25	3 - 28	1950 - 500
Khushi Gold	M71F45	Ex. Alu.	1.0/0.75		3.2	10	25 x 25	6 - 30	2800 - 500
<b>Performance</b>	<b>Head(m)</b>	<b>3</b>	<b>6</b>	<b>12</b>	<b>18</b>	<b>21</b>	<b>24</b>	<b>28</b>	<b>30</b>
Mini Magic	Discharge (l/h) ±10%	1850	1750	1200	650	400			
Mini Magic Ultra 50		2100	1900	1350	850	650			
Mini Magic Ultra 100			2700	2200	1600	1300	1000	600	500
Mini Gold		1950	1800	1450	1100	925	750	500	
Khushi Gold			2800	2300	1700	1400	1100	700	500



## MIRACLE & POWER SERIES

### SELF PRIMING MONOBLOCK PUMP

NEW

NEW

Model	Frame	Motor Body	HP/kW		F.L.C.	Capacitor mfd	Pipe Size mm	Head Range m	Discharge Range lph
					Amp.				
Miracle - I #	M63F40	Ex. Alu.	0.5/0.37		2.6	10	25 x 25	3 - 28	2200 - 100
Miracle - II	M71F50	Ex. Alu.	1.0/0.75		3.5	12.5	25 x 25	6 - 30	3000 - 200
Miracle - II ACW	M71F50	Ex. Alu.	1.0/0.75		3.5	10	25 x 25	6 - 30	3000 - 200
Power 50 #	M71F35	Ex. Alu.	0.5/0.37		2.6	12.5	25 x 25	6 - 28	2000 - 400
Power 50 ACW	M71F35	Ex. Alu.	0.5/0.37		2.6	12.5	25 x 25	6 - 28	2000 - 400
<b>Performance</b>	<b>Head(m)</b>	<b>3</b>	<b>6</b>	<b>12</b>	<b>18</b>	<b>21</b>	<b>24</b>	<b>28</b>	<b>30</b>
Miracle - I	Discharge (l/h) ±10%	2200	1950	1450	875	600	350	100	
Miracle - II & ACW			3000	2400	1750	1400	1000	500	200
Power 50 & ACW			2000	1600	1150	950	700	400	

# PREMIUM SERIES

## SELF PRIMING MONOBLOCK PUMP



Star +



Mini 2+



Mini 1+

NEW  
NEW  
Improved  
NEW  
NEW

Model	Frame	Motor Body	HP/kW		F.L.C.	Capacitor mfd	Pipe Size mm	Head Range m	Discharge Range		
					Amp.				lph		
Star + #	M71F40	Ex. Alu.	0.75/0.56		2.6	10	25 x 25	6 - 30	2250 - 100		
Mini 2+ #	M71F50	CI	1.0/0.75		3.8	10	25 x 25	6 - 32	3300 - 100		
Mini 1+ #	M71F60	Ex. Alu.	1.0/0.75		4.5	15	25 x 25	6 - 40	3300 - 200		
Crysta	M71F50	PDC	1.0/0.75		3.2	10	25 x 25	6 - 30	3200 - 300		
Mini 50 M	M80F60	CI	1.2/0.9		5.5	15	25 x 25	6 - 50	3600 - 600		
Jumbo SP 200	M80F100	Ex. Alu.	2.0/1.5		8.5	36	25 x 25	12 - 65	5000 - 500		
<b>Performance</b>	<b>Head(m)</b>	6	12	18	24	30	36	42	48	54	60
Star +	Discharge (l/h) ±10%	2250	1750	1250	750	100					
Mini 2+		3300	2700	2000	1300	500	32@100				
Mini 1+		3300	2880	2450	1850	1250	650	40@200			
Crysta		3200	2500	1850	1100	300					
Mini 50 M		3600	3200	2800	2400	2000	1600	1150	750	50@600	
Jumbo SP 200			5000	4500	4000	3500	3000	2500	2000	1500	1000



Crysta



Mini 50M



Jumbo SP 200





## STANDARD STREAM SERIES

### SELF PRIMING MONOBLOCK PUMP

Model	Frame	Motor Body	HP / kW		F.L.C.	Capacitor mfd	Pipe Size mm	Head Range m	Discharge Range	
					Amp.				lph	
Stream 60	M71F45	CI	0.5/0.37		2.6	10	25 x 25	6 - 30	2700 - 300	
Stream 90 AL/CI	M71F60	Ex. Alu./CI	1.1/0.8		4.5	15	25 x 25	6 - 40	3240 - 100	
Stream 100	M80F70	Ex. Alu.	1.25/0.94		6.0	25	25 x 25	6 - 48	4000 - 500	
<b>NEW</b> Stream 100 ALW	M80F70	Ex. Alu.	1.25/0.94		6.0	25	25 x 25	6 - 48	4000 - 500	
Stream 150	M80F90	Ex. Alu.	1.5/1.1		8.5	36	25 x 25	12 - 54	4500 - 500	
<b>Performance</b>	<b>Head(m)</b>	<b>6</b>	<b>12</b>	<b>18</b>	<b>24</b>	<b>30</b>	<b>36</b>	<b>40</b>	<b>48</b>	<b>54</b>
Stream 60	<b>Discharge (l/h) ±10%</b>	2700	2200	1600	900	300				
Stream 90 AL/CI		3240	2850	2400	1800	1200	600	100		
Stream 100 & ALW		4000	3350	2800	2300	1850	1400	1100	500	
Stream 150			4500	4000	3550	3000	2400	2000	1200	500

## V TYPE V:FLO SERIES



### SUPER SUCTION V TYPE SELF PRIMING MONOBLOCK PUMP

Model	Frame	Motor Body	HP / kW		F.L.C.	Capacitor mfd	Pipe Size mm	Head Range m	Discharge Range	
					Amp.				lph	
<b>NEW</b> V:Flo 50	M71F60	Ex. Alu.	0.5/0.37		4.2	15	25 x 25	6 - 30	2500 - 600	
<b>Improved</b> V:Flo 100	M71F64	Ex. Alu./CI	1.0/0.75		4.5	20	25 x 25	6 - 36	2700 - 500	
<b>Improved</b> V:Flo 125	M80F70	Ex. Alu./CI	1.25/0.93		6.5	25	25 x 25	6 - 45	2880 - 300	
<b>Performance</b>	<b>Head(m)</b>	<b>6</b>	<b>12</b>	<b>18</b>	<b>24</b>	<b>30</b>	<b>36</b>	<b>42</b>	<b>45</b>	
V:Flo 50	<b>Discharge (l/h) ±10%</b>	2500	2150	1750	1200	600				
V:Flo 100		2700	2350	1950	1500	1000	500			
V:Flo 125		2880	2600	2200	1800	1350	900	500	300	

## SHALLOW WELL SERIES



### SHALLOW WELL JET PUMP

NEW  
NEW  
NEW

Model	Frame	Motor Body	Imp / Diffuser	HP/kW	F.L.C.	Capa- citor	Pipe Size	Head Range	Discharge Range		
					Amp.	mfd	mm	m	lph		
Lifta SWP 50 N	M71F60	Ex. Alu.	Noryl 30%GF	0.5/0.37	3.8	15	25 x 25	6 - 30	3000 - 500		
Lifta SWP 100 N	M71F75	Ex. Alu.	Noryl 30%GF	1.0/0.75	4.5	20	25 x 25	12 - 36	3000 - 500		
Lifta SWP 150 N	M80F70	Ex. Alu.	Noryl 30%GF	1.5/1.1	6.0	25	25 x 25	18 - 42	3300 - 500		
SWP 05C	M71F60	Ex. Alu.	Cast Iron	0.5/0.37	4.5	15	25 x 25	6 - 30	3000 - 500		
SWP 10C	M71F85	Ex. Alu.	Cast Iron	1.1/0.8	5.5	25	25 x 25	12 - 36	3300 - 600		
SWP 11C	M80F70	Ex. Alu.	Cast Iron	1.5/1.1	6.0	25	25 x 25	15 - 36	3600 - 1000		
Performance		Head(m)	6	9	12	15	18	24	30	36	42
Lifta SWP 50 N	Discharge (l/h) ±10%	3000	2800	2600	2400	2200	1600	500			
Lifta SWP 100 N				3000	2800	2600	2100	1500	500		
Lifta SWP 150 N						3300	3000	2400	1500	500	
SWP 05C		3000	2800	2600	2400	2200	1600	500			
SWP 10C				3300	3050	2800	2300	1600	600		
SWP 11C					3600	3400	2800	2000	1000		

## QUICK PRIME SERIES



### QUICK PRIME SELF PRIMING MONOBLOCK PUMP

Model	Frame	Motor Body	HP/kW	F.L.C.	Capa- citor	Pipe Size	Head Range	Discharge Range		
				Amp.	mfd	mm	m	lph		
Aqua Lift 60	M71F45	PDC	0.5/0.37	3.2	10	25 x 12	6 - 30	2000 - 300		
Aqua Lift 100	M71F64	PDC	1.0/0.75	4.5	15	25 x 25	6 - 36	2250 - 500		
Tendee (1440 rpm)	M90F65	MS	1.1/0.8	6.5	60/80	25 x 25	12 - 45	3000 - 350		
Performance		Head(m)	6	12	18	24	30	36	42	45
Aqua Lift 60	Discharge (l/h) ±10%	2000	1700	1300	850	300				
Aqua Lift 100		2250	1950	1600	1250	900	500			
Tendee (1440 rpm)			3000	2700	2300	1800	1200	600	350	



# PRESSURE BOOSTER SERIES

## MINI PRESSURE BOOSTER PUMP

NEW

Model	Frame	HP/kW	Impeller	F.L.C.	Capa-	Pipe	Recommended Pressure	Tank Size	No. of Bathrooms Recommended	Head Range	Discharge Range	
				Amp.	citor mfd	Size mm						Bar
Booster King 502	M71F45	0.5/0.37	Brass	2.8	10	25x25	1.5-2.2	2	2.0	6-24	2000-700	
Booster King 1002	M71F64	1.0/0.75	Brass	4.5	15	25x25	1.5-3.0	2	4.0	6-36	3300-600	
Performance		Head(m)	6	9	12	15	18	21	24	27	30	36
Booster King 502	Discharge (l/h) ±10%	2000	1800	1600	1400	1200	950	700				
Booster King 1002		3300	3100	2850	2600	2400	2100	1800	1500	1200	600	

## SHALLOW WELL PRESSURE BOOSTER PUMP

Model	Frame	HP/kW	Impeller / Diffuser	F.L.C.	Capa-	Pipe	Recommended Pressure	Tank Size	No. of Bathrooms Recommended	Head Range	Discharge Range	
				Amp.	citor mfd	Size mm						Bar
Booster King 524	M71F60	0.5/0.37	CI	4.5	15	25x25	1.8-2.8	24	4.0	6-30	3300-600	
Booster King 1024	M71F75	1.0/0.75	CI	5.5	20	25x25	2.0-3.2	24	6.0	12-36	3600-600	
Performance		Head(m)	6	9	12	15	18	21	24	27	30	36
Booster King 524	Discharge (l/h) ±10%	3300	3000	2700	2400	2100	1800	1500	1050	600		
Booster King 1024				3600	3300	3000	2700	2400	2100	1700	600	



## MULTI STAGE PRESSURE BOOSTER PUMP



Model	Frame	HP/kW	No. of Impeller / Stage	F.L.C.	Capa-	Pipe	Recommended Pressure	Tank Size	No. of Bathrooms Recommended	Head Range	Discharge Range	
				Amp.	citor mfd	Size mm						Bar
Booster King 50	M71F55	0.5/0.37	3/2	3.8	12.5	25x25	1.5-2.8	24	4.0	6-30	5000-1000	
Booster King 90	M71F64	1.0/0.75	4/3	4.5	20	25x25	1.5-3.0	24	5.0	10-35	5000-2000	
Booster King 100	M71F70	1.1/0.8	5/4	5.5	20	25x25	2.0-3.5	24	7.0	15-45	5500-1000	
Performance		Head(m)	5	10	15	20	25	30	35	40	45	50
Booster King 50	Discharge (l/h) ±10%	5000	4500	3900	3300	2500	1000					
Booster King 90		5000	4500	3900	3300	2700	2000					
Booster King 100				5500	4800	4100	3400	2700	1850	1000		

NEW  
NEW  
NEW



# CENTRIFUGAL SERIES

## CENTRIFUGAL MONOBLOCK PUMP

Model	Category	HP/kW	Frame	Pipe Size mm	Total Head in meters											
					3	6	9	12	15	18	21	24	27	30	35	
					Discharge ( l / h ) ±10%											
NEW → SCP518	0.5 HP	0.5/0.37	M71F45	25 x 25		6600	6000	5400	4200	2100						
SCP725		0.75/0.56	M71F60	25 x 25				6000	5000	4000	3000	2000				
SCP510#		0.5/0.37	M71F64	40 x 40	18000	16200	12000	4200								
SCP1030	1.0 HP	1.0/0.75	M80F70	25 x 25				7200	6200	5100	4100	2900	1800	600		
SCP1018		1.0/0.75	M80F70	40 x 40		18000	15000	12000	9000	5400						
SCP1013#		1.0/0.75	M80F70	50 x 50		22800	20400	12000	6000 @14							
SCP1010		1.0/0.75	M80F80	75 x 75	39600	37200	24000	19200 @10								
SAM11L		1.0/0.75	M80F110	75 x 75	51960	42000	15000									
SCP1522#	1.5 HP	1.5/1.1	M80F90	50 x 50			24000	18000	12000	3600						
SCP1515#		1.5/1.1	M80F90	65 x 50		30000	27000	18000	9000							
SCP1512		1.5/1.1	M80F110	75 x 75		40800	33000	24600								
SAM15L		1.5/1.1	M90F90	75 x 75		46000	40000	28000								
SCP2032#	2.0 HP	2.0/1.5	M90F125	50 x 40				21600	21000	19800	18000	15900	12500	9000	6000 @32	
SCP2025#		2.0/1.5	M90F100	65 x 50			24000	22200	19800	16200	12000	6000				
SCP2020#		2.0/1.5	M90F100	65 x 50		32400	31500	29400	24000	15000						
Improved → SCP2020HH		2.0/1.5	M90F115	65 x 50			30000	27500	24000	20000	15000	10000				
SCP2012#		2.0/1.5	M90F100	75 x 75		51000	41000	28000								
SCP2013#		2.0/1.5	M90F100	75 x 65		48500	38500	26000	10000							
SAM20D		2.0/1.5	M90F100	100 x 100	58500	53500	43500	30000								
NEW → SCP3035	3.0 HP	3.0/2.2	M90F160	50 x 40					28500	26500	23500	20500	17000	13000	6000	
NEW → SCP3030		3.0/2.2	M90F160	50 x 50				32000	29500	26750	23500	20000	16000	12000		
Improved → SCP3026		3.0/2.2	M90F160	65 x 50			32400	31500	29000	25500	21500	17000	12000			
SCP3016		3.0/2.2	M90F160	75 x 75		60000	52800	43800	33000	30000 @16						
SCP3014		3.0/2.2	M90F160	100 x 100		64800	57000	45000	40500 @14							
SAM30D		3.0/2.2	M90F100	100 x 100	60000	54000	43500	30000								

### NOTES

1. The above readings are as per our lab test, the actual performance of pump may vary due to installation, voltage variation, location & ambient temperature etc.
2. We constantly upgrade our product, all technical details & appearance are subject to change without prior notification.
3. # Models are confirming to ISI Certification (BIS).
4. Centrifugal pumps are available in single phase, Low voltage & wide voltage range.
5. Also available Three Phase Pumps suitable for industrial & Agriculture use.
6. HSN Code : 84137010



# OPEN WELL SERIES




## OPEN WELL SUBMERSIBLE PUMP

Model	Frame	Motor Body	Phase	HP / kW	F.L.C.	Capa- citor	Pipe Size	Head Range	Discharge Range				
					Amp.	mfd	mm	m	lph				
SOS 50N	M71F	SS	1	0.5/0.37	5.5	20	25 x 25	6 - 18	6600 - 2100				
SOS 100N	M80F	SS	1	1.0/0.75	8.2	36	25 x 25	6 - 30	7800 - 600				
JOSH 225D	V-7	SS	wvr	2.0/1.5	8.0	72	50 x 50	10 - 25	28000 - 12000				
JOSH 220D	V-7	SS	wvr	2.0/1.5	8.0	72	65 x 50	10 - 22	30000 - 12000				
JOSH 325T	V-7	SS	3	3.0/2.2	6.5	NA	65 x 50	10 - 25	35000 - 12000				
JOSH 325D	V-7	SS	wvr	3.0/2.2	10.0	100	65 x 50	10 - 25	35000 - 12000				
JOSH 530T	V-7	SS	3	3.0/2.2	8.0	NA	65 x 50	14 - 30	40000 - 10000				
Performance	Head(m)	6	8	10	12	14	16	18	22	24	26	28	30
SOS 50N	Discharge (l/h) ±10%	6600	6250	5900	5400	4500	3400	2100					
SOS 100N		7800	7600	7250	6900	6500	5800	5100	3700	3000	2300	1500	600
JOSH 225D				28000	26500	24700	23000	21500	18250	16000	12000 @25		
JOSH 220D				30000	29000	27000	23000	18000	12000				
JOSH 325T				35000	33000	31000	28500	26000	19000	14000	12000 @25		
JOSH 325D				35000	33000	31000	28500	26000	19000	14000	12000 @25		
JOSH 530T							40000	38000	36000	30000	26000	22000	16000


### SALIENT FEATURES

1. Motor can withstand wide voltage fluctuations.
2. High discharge & low power consumption.
3. SS410 Steel shaft for long life & avoiding rust problem.
4. Stainless steel motor body.
5. With copper winding.

### Technical Data of V4 Submersible Pumps with Water Filled **Single Phase Motor**

PHOTO	S. No.	MODEL	Item Code	HP	Stages	Rated Voltage	FLC (Amp)	RPM	Required Capacitor	Outlet Size (mm)
	1	MSW40508	FG057100115	0.5	8	220	6	2760	50	32
	2	MSW40510	FG057100101	0.5	10	220	6	2760	50	32
	3	MSW40710	FG057100103	0.75	10	220	6.5	2760	50	32
	4	MSW40712	FG057100116	0.75	12	220	6.5	2760	50	32
	5	MSW41008	FG057100117	1.0	8	220	8	2760	50	32
	6	MSW41010	FG057100113	1.0	10	220	8	2760	50	32
	7	MSW41015	FG057100102	1.0	15	220	8	2760	50	32
	8	MSW41018	FG057100118	1.0	18	220	8	2760	50	32
	9	MSW41512	FG057100112	1.5	12	220	10	2760	72	32
	10	MSW41515	FG057100119	1.5	15	220	10	2760	72	32
	11	MSW41520	FG057100104	1.5	20	220	10	2760	72	32
	12	MSW41525	FG057100105	1.5	25	220	10	2760	72	32
	13	MSW42015	FG057100111	2.0	15	220	13	2760	85	40
	14	MSW42018	FG057100114	2.0	18	220	13	2760	85	32
	15	MSW42025	Fg057100122	2.0	25	220	13	2760	85	32
	16	MSW42030	FG057100107	2.0	30	220	13	2760	85	32

### Technical Data of V4 Submersible Pumps with Oil Filled **Single Phase Motor**

PHOTO	S. No.	MODEL	Item Code	HP	Stages	Rated Voltage	FLC (Amp)	RPM	Required Capacitor	Outlet Size (mm)
	1	MSO40508	FG057100008	0.5	8	220	5	2800	36	32
	2	MSO40510	FG057100003	0.5	10	220	5	2800	36	32
	3	MSO40710	FG057100009	0.75	10	220	6	2800	36	32
	4	MSO40712	FG057100012	0.75	12	220	6	2800	36	32
	5	MSO41008	FG057100011	1.0	8	220	7	2800	36	32
	6	MSO41010	FG057100001	1.0	10	220	7	2800	36	32
	7	MSO41015	FG057100006	1.0	15	220	7	2800	36	32
	8	MSO41512	FG057100013	1.5	12	220	9	2800	50	32
	9	MSO41515	FG057100002	1.5	15	220	10	2800	50	32
	10	MSO41520	FG057100007	1.5	20	220	10	2800	50	32
	11	MSO42015	FG057100010	2.0	15	220	12	2800	72	32
	12	MSO42025	FG057100004	2.0	25	220	12	2800	72	32

## Performance of V4 Submersible Pumps with Water Filled **Single Phase** Motor

DISCHARGE IN LPM													
	0	10	20	25	30	35	40	50	60	65	80	85	100
<b>HEAD IN METERS</b>	48	46	43	41	38	35	<b>32</b>	25	20				
	57	52	45	<b>40</b>	37	32	28	20	10				
	58	55	51	49	46	43	<b>40</b>	35	30	27			
	70	62	53	<b>48</b>	43	38	33	23	13				
	48	47	46	45	44	43	42	<b>40</b>	38	37	30		
	60	58	55	54	53	52	50	46	42	<b>40</b>	32	29	20
	88	82	75	72	68	64	<b>60</b>	52	45				
	105	95	80	<b>72</b>	66	60	52	40	30				
	72	68	65	63	62	60	58	55	51	<b>48</b>	41	38	24
	90	85	80	77	75	73	71	67	62	<b>60</b>	52	48	32
	110	105	100	95	90	85	<b>80</b>	72	64				
	140	125	110	<b>100</b>	92	82	72	50					
	90	87	84	82	80	78	76	73	70	68	<b>60</b>	56	40
	108	103	98	95	93	90	87	81	75	<b>72</b>	58	54	36
	145	138	130	124	118	110	<b>100</b>	75	50				
180	170	145	<b>120</b>	95	70	50							

## Performance of V4 Submersible Pumps with Oil Filled **Single Phase** Motor

DISCHARGE IN LPM													
	0	10	20	25	30	35	40	50	60	65	80	85	100
<b>HEAD IN METERS</b>	48	46	43	41	38	35	<b>32</b>	25	20				
	57	52	45	<b>40</b>	37	32	28	20	10				
	58	55	51	49	46	43	<b>40</b>	35	30	27			
	70	62	53	<b>48</b>	43	38	33	23	13				
	48	47	46	45	44	43	42	<b>40</b>	38	37	30		
	60	58	55	54	53	52	50	46	42	<b>40</b>	32	29	20
	88	82	75	72	68	64	<b>60</b>	52	45				
	72	68	65	63	62	60	58	55	51	<b>48</b>	41	38	24
	90	85	80	77	75	73	71	67	62	<b>60</b>	52	48	32
	110	105	100	95	90	85	<b>80</b>	72	64				
	90	87	84	82	80	78	76	73	70	68	<b>60</b>	56	40
	145	138	130	124	118	110	<b>100</b>	75	50				

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