

- ✓ MORE STURDY
- ✓ More Power
- ✓ LONGER LIFE
- ✓ EASY TO REPAIR
- ✓ LESS ELECTRICITY BILL



Original VARUNA Control Panel is

## **AVAILABLE** NOW!

- **Superior Performance**
- **Less Electric Consumption**
- Longer Life
- Manages Voltage Fluctuations
- Low Maintenance





# AAPKE PAANI KA PRESSURE HUM LETE HAIN



V3 & V4 SUBMERSIBLE PUMP SETS







## **BOREWELL SUBMERSIBLE PUMP SETS**







75 & 80 mm (3") Oil Filled Motor

75 & 80 mm (3") Water Filled Motor

## 75 & 80 mm (3") with Oil Filled Motor

### DESCRIPTION

Varuna brand makes reliable, efficient and durable Submersible pump sets of best quality. Following are the salient features of Submersible pump sets with Oil filled Motor.

### **SALIENT FEATURES**

- Dynamically balanced rotating parts to ensure minimum noise and vibration-free operations.
- Electrical design of motors has been done with Enamel winding which improves efficiency and reduces electricity
- Pump sets are compact and weigh less for easy installation and transportation.
- Accurately machined on CNC machine to get reliable performance and long life.
- Pump sets perform in wide voltage band.
- Motors are filled with food grade insulating oil which gives lubrication to bearing too. This improves thermal conductivity which further reduces the chance of burning.
- Starts easily at low voltage.
- Manufactured using a sophisticated process, hence ensuring more reliability in performance.
- Products are available with NRV which reduces the thrust load of back pressure.
- Impeller and bowl are made from glass filled noryl that provides strong resistance against sand.
- CI part of pump is coated with CED for better corrosion resistance, durability, alignment and smoother running.

## **Material of Construction**

### MOTOR DETAILS

Stator

Rotor

: Insulated varnish using vacuum impregnation method

: Aluminum pressure die-cast : Non Magnetic Stainless Steel

Motor Body : Roller Ball bearing/Heavy duty angular contact bearing Bearing

: High grade mechanical seal for zero leakage, minimal friction loss & offers protection against wearing of shaft, hence provides longer life.

Winding : Dual coat EC Grade Copper wire with F Class insulation. Cable Sealing : Water protecting device to assure outside material does not enter into motor

Pressure Diaphragm : Sufficient size to contain expansion of oil inside the motor and avoid the defeat of

### PUMP DETAILS

Non Return Valve

: Glass Filled Noryl

 $: {\tt Glass\,Filled\,quality\,abrasion\,resistant\,Noryl}$ Imneller

Shaft : Stainless Steel

Wearing Rings : High Quality Abrasion resistant Stainless Steel Suction Casing

: Heavy Duty casting material to get proper grip on motor as well as provide path for suction of water. Also provided SS Strainer to protect

: To reduce the thrust generated due to back pressure of the long pipe line when pump set is switched off hence leading to increase in the

life of the pump

## **Applications**



DOMESTIC & MUNICIPAL WATER SUPPLY



**SPRINKLER &** PRESSURE BOOSTING SYSTEM IRRIGATION



**FOUNTAINS** & GARDENS



HIGH RISE BUILDINGS

## 75 & 80 mm (3") with Water Filled Motor

### **DESCRIPTION**

Varuna brand makes reliable, efficient and durable Submersible pump sets of best quality. Following are the salient features of Submersible pump sets with Water filled Motor.

### **SALIENT FEATURES**

- Dynamically balanced Rotating parts to ensure minimum noise and vibration-free operation.
- Motors are designed using multi layer PVC insulated wire to get better reliability and easy repairing at remote location.
- Pump sets are compact and less in weight for easy installation and transportation.
- Accurately machined on CNC machine to get reliable performance and long life.
- Pump sets perform in wide voltage band.
- Motor to be filled with water to get better cooling, winding and bush.
- Starts easily at low voltage.
- Manufactured using a much sophisticated process and hence ensuring more reliability in performance.
- Heavy Duty Carbon thrust bearing with German Technology.
- Products are available with NRV which reduces the thrust load of back pressure.
- Impeller and bowl are made from glass filled noryl which gives strong resistance against sand.
- CI part of pump is coated with CED for better corrosion resistance, durability, alignment and smoother running.

### **Material of Construction**

MOTOR DETAILS	

Stator	: Insulated varnisl	ı usina vacuum	impregnation	method

Rotor : COPPER

Motor Body

: Non Magnetic Stainless Steel

Thrust Bearing : Self aligned carbon Vs. Stainless steel thrust bearing which withstands high

axial thrust load in water lubrication. : Multi Layer PVC insulated wire

Winding : Multi Layer PVC insulated wire
Cable Sealing : Nitrile Rubber bush locking to protect any foreign particles entering the motor

Arrangement

 $\label{lem:continuous} \textit{Journal Bearings} \qquad : \textit{Gun Metal Bush with 2\% nickel and additional centrifugal molding process to} \\$ 

avoid chance of warm out

Pressure Diaphragm : Sufficient size to contain expansion of water inside the Diaphragm motor and

avoid the defeat of cooling water

#### PUMP DETAILS

Suction Casing

Non Return Valve

: Glass Filled Noryl

Impeller : Glass Filled quality abrasion resistant Noryl

Shaft : Chrome Steel

Wearing Rings : High Quality Abrasion resistant Stainless Steel

: Heavy Duty casting material to get proper grip on motor as well as provide path for suction of water. Also provided SS Strainer to protect

 $against \, for eign \, particles$ 

: To reduce the thrust generated due to back pressure of the long pipe line when pump set is switched off hence leading to increase in the life

of the pump

## **Applications**



**IRRIGATION** 

SPRINKLER DRIP IRRIGA



DRIP IRRIGATION
SYSTEM



AGRICULTURE WATER SUPPLY



INDUSTRIAL APPLICATION



CIVIL & DOMESTIC WATER SUPPLY



FIRE FIGHTING SYSTEM

## **V3 OF & WF**

### SUITABLE FOR 75 mm BOREWELL OR ABOVE (Min.Bore Dia. 75mm)

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE, 50Hz, A.C. SUPPLY Maximum Motor OD: 72mm & Pump OD: 72mm

OUTLET SIZE :- 32mm TYPE OF FLOW : RADIAL

MO	DEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LP	М		
OF	WF	kW	H.P.		RS	0	17	20	25	30	35	40	50
VSO 30	VS 30	0.55	0.75	14	METERS	40	33	32	30	26.5	22	17	10
VSO 30	VS 30	0.75	1.00	18	$\geq$	52	42	41	39	34	27	21	13
VSO 30	VS 30	0.75	1.00	20	HEAD	58	47	46.5	42	38	30.5	24	15
VSO 30	VS 30	0.75	1.00	25		73	59	58.1	53	48	38	30	19
VSO 30	VS 30	0.94	1.25	36		104	85	82	76	68	53.5	41	24

## **V3 OF & WF**

### SUITABLE FOR 80 mm BOREWELL OR ABOVE (Min.Bore Dia. 80mm)

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE, 50Hz, A.C. SUPPLY Maximum Motor OD: 72mm & Pump OD: 77mm

TYPE OF FLOW: RADIAL

OUTLET SIZE :- 32mm

MOI	DEL	MOTOR	RATING	STAGE	ERS				DISCI	HARGE IN	I LPM			
OF	WF	kW	H.P.		METE	0	24	32	38	48	60	72	84	90
VSO 30H	VS 30H	0.75	1.00	10	HEAD IN	50	44	42.5	40	37.5	32	26	17	12
VSO 30H	VS 30H	0.75	1.00	12	HEA	60	53	50	47.5	45	38	31	19	13
VSO 30H	VS 30H	0.94	1.25	15		75	66	63	60.5	56	48	39	24	17

OUTLET SIZE :- 32mm TYPE OF FLOW : RADIAL

M0	DEL	MOTOR	RATING	STAGE	ERS			D	ISCHAR	GE IN LP	М		
OF	WF	kW	H.P.		METE	0	10	20	30	40	50	60	66
VSO 30HH	VS 30HH	0.37	0.50	10	N O	50	48	45	40	33	24	17	8
VSO 30HH	VS 30HH	0.55	0.75	15	HEA	75	72	67	60	50	36	25	12
VSO 30HH	VS 30HH	0.75	1.00	20		100	96	89	80	67	48	33	16

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## **BOREWELL SUBMERSIBLE PUMP SETS**







100 mm (4") Oil Filled Motor

100 mm (4") Water Filled Motor

## 100 mm (4") with Oil Filled Motor

### DESCRIPTION

Varuna brand makes reliable, efficient and durable Submersible pump sets of best quality. Following are the salient features of Submersible pump sets with Oil filled Motor.

### **SALIENT FEATURES**

- Dynamically balanced rotating parts to ensure minimum noise and vibration-free operation.
- Pump sets are compact and weigh less for easy installation and transportation.
- Pump sets perform in wide voltage band.
- Motors are filled with food grade insulating oil which gives lubrication to bearing too. This improves thermal conductivity which reduces chance of burning.
- Starts easily at low voltage.
- Products are available with NRV which reduces the thrust load of back pressure.
- Impeller and bowl are made from glass filled noryl that gives strong resistance against sand.
- All the hardware (including stud nut) is made of SS 304, protecting them from corrosion in hard or sandy water, and makes them easier to repair and reliable.
- Higher motor efficiency and lighter body weight compared to the earlier design for better performance.
- CI part of pump and motor are coated with CED for better corrosion resistance, durability, alignment and smoother running.

## **Material of Construction**

#### MOTOR DETAILS

Stator

: Insulated varnish using vacuum impregnation method

Rotor : Aluminum pressure die-cast Motor Body : Non Magnetic Stainless Steel

: Roller Ball bearing/Heavy duty angular contact bearing Bearing

: High grade mechanical seal for zero leakage, minimal friction loss & offers protection against wearing of shaft, hence provides longer life.

: Dual coat EC Grade Copper wire with F Class insulation Winding : Water protecting device to assure outside material does not enter into Cable Sealing

motor Arrangement

Pressure Diaphragm : Sufficient size to contain expansion of oil inside the motor and avoid

the defeat of cooling oil

### PUMP DETAILS

Suction Casing

: Glass Filled Noryl / Cast Iron

: Glass Filled quality abrasion resistant Noryl / Cast Iron Imneller

Shaft : Chrome Steel

Wearing Rings : High Quality Abrasion resistant Stainless Steel

> : Heavy Duty casting material to get proper grip on motor as well as provide path for suction of water. SS Strainer is also provided for

protection against foreign particles

Non Return Valve : To reduce the thrust generated due to back pressure of the long pipe

line when pump set is switched off hence leading to increase in the

life of the pump

## **Applications**



DOMESTIC & MUNICIPAL WATER SUPPLY



**SPRINKLER &** PRESSURE BOOSTING SYSTEM IRRIGATION



**FOUNTAINS** & GARDENS



HIGH RISE

BUILDINGS

## 100 mm (4") with Water Filled Motor

### DESCRIPTION

Varuna brand makes reliable, efficient and durable Submersible pump sets of top quality as per IS:8034-2002. Following are the salient features of Submersible pump sets with Water filled Motor.

### **SALIENT FEATURES**

- Dynamically balanced rotating parts to ensure minimum noise and vibration-free operation.
- Motor are designed using multi layer PVC insulated wire to get better reliability and easy repairing at remote location.
- Pump sets are compact and weigh less for easy installation and transportation.
- Accurately machined on CNC machine to get reliable performance and long life.
- Pump sets perform in wide voltage band.
- Motor to be filled with water to get better cooling, winding and bush.
- Starts easily at low voltage.
- Manufactured using a much sophisticated process and hence ensuring more reliability in performance.
- Heavy Duty Carbon thrust bearing with German Technology.
- Products are available with NRV which reduces the thrust load of back pressure.
- Impeller and bowl are made from glass filled noryl that give strong resistance against sand.
- CI part of pump is coated with CED for better corrosion resistance, durability, alignment and smoother running.

## **Material of Construction**

MOTOR DETAILS	
Stator	

: Insulated varnish using vacuum impregnation method : Copper / Aluminium Pressure Die Cast

Rotor : Non magnetic Stainless Steel 304 Motor Body

: Self aligned carbon Vs. Stainless steel thrust bearing which withstands high Thrust Bearing

axial thrust load in water lubrication. Winding : Multi Layer PVC insulated wire

: Nitrile Rubber bush locking to protect any foreign particles entering the motor  $\,$ Cable Sealing

Arrangement Journal Bearings : Gun Metal Bush with 2% nickel and additional centrifugal molding process to

avoid chance of warm out

Pressure Diaphragm : Sufficient size to contain expansion of water inside the Diaphragm motor and avoid the defeat of cooling water

### **Pump Details**

Suction Casing

Non Return Valve

Shaft

: Glass Filled Noryl / Cast Iron Bowl

Impeller : Glass Filled quality abrasion resistant Noryl / Cast Iron

: Stainless steel

Wearing Rings : High Quality Abrasion resistant Stainless Steel

> : Heavy Duty casting material to get proper grip on motor as well as provide path for suction of water. SS Strainer is also provided for

protection against foreign particles

: To reduce the thrust generated due to back pressure of the long pipe line when pump set is switched off hence leading to increase in the life

of the pump

## **Applications**



AGRICULTURE WATER SUPPLY



**CIVIL & INDUSTRIAL APPLICATION** 



DOMESTIC WATER SUPPLY



FIRE FIGHTING SYSTEM

## **V4 OF & WF**

### SUITABLE FOR 100 mm BOREWELL OR ABOVE (Min.Bore Dia. 100mm)

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE / 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY. Maximum Motor OD :- 96.5mm & Pump OD :- 96.5mm

### OUTLET SIZE :- 38mm (ON DEMAND CAN PROVIDE 50mm)

TYPE OF FLOW: RADIAL

M0	DEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LP	М		
0F	WF	kW	H.P.		RS	0	70	85	110	120	130	140	150
W0 : 1L	WW : 1L	1.10	1.50	7	METE	47	42	39	36	34	32	27	23
W0:1L	WW : 1L	1.50	2.00	8	N O	53	48	45	41	39	36	31	27
W0:1L	WW : 1L	1.50	2.00	10	HEAI	67	60	56	52	48	45	38	33
VS0:71	VSR:71	2.20	3.00	12		80	72	69	63	61	56	49	41
	VSR:71	2.20	3.00	15		100	90	86	79	75	70	59	52

OUTLET SIZE :- 38mm (ON DEMAND CAN PROVIDE 50mm)

TYPE OF FLOW: RADIAL

MODEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LP	М		
WF	kW	H.P.		RS	0	80	95	115	125	135	145	150
VS:71H	3.00	4.00	18	METERS	122	109	103	94	88	82	71	63
VS:71H	3.70	5.00	19	=	129	115	109	99	93	87	75	67
VS:71H	3.70	5.00	22	HEAD	149	133	126	115	108	101	87	78
VS:71H	3.70	5.00	25		169	152	144	131	123	115	98	89
VS:71H	4.00	6.00	31		210	188	178	162	152	142	122	110

OUTLET SIZE :- 38mm

TYPE OF FLOW: RADIAL

MO	DEL	MOTOR	RATING	STAGE	ERS			D	ISCHAR	GE IN LP	М	
OF	WF	kW	H.P.		METE	0	30	50	80	90	110	120
W0 : 0L	WW : 0L	0.75	1.00	7	N	46	44	42	35	32	27	22
W0 : 0L	WW:0L	1.10	1.50	10	HEAI	66	63	60	50	46	38	31
W0 : 0L	WW:0L	1.50	2.00	12		79	76	72	60	55	46	37

OUTLET SIZE :- 32mm

TYPE OF FLOW: RADIAL

MOI	DEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LP	М		
OF	WF	kW	H.P.			0	20	30	40	50	60	70	90
W0 : 2L	WW : 2L	0.55	0.75	7	RS	42	39	38	37	36	33	30	23
W0 : 2L	WW : 2L	0.75	1.00	8	METERS	48	45	44	42	41	38	34	26
W0 : 2L	WW : 2L	0.75	1.00	10	=	60	56	54	53	51	47	43	33
W0 : 2L	WW : 2L	1.10	1.50	12	HEAD	72	68	65	63	61	57	51	39
W0 : 2L	WW : 2L	1.10	1.50	14		84	79	76	74	71	66	60	46
W0 : 2L	WW : 2L	1.50	2.00	16		96	90	87	84	81	76	68	52
W0 : 2L	WW : 2L	1.50	2.00	18		108	102	98	95	92	85	77	59

Note: OF - Single phase motors are available upto 3 H.P.

WF - Single phase motors are available up to 5 H.P.

OUTLET SIZE :- 32mm

TYPE OF FLOW: RADIAL

M	ODEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LP	М		
OF	WF	kW	H.P.			0	22	26	37	42	45	55	68
W0 : 3L	WW : 3L	0.37	0.50	6	RS	35	32	31	29	28	26	23	8
W0 : 3L	EWW : 3LE	0.75	1.00	8	METERS	46	43	41	39	37	35	30	10
W0:3L	WW:3L	0.55	0.75	10	$\leq$	58	53	51	48	46	44	38	13
W0 : 3L	WW : 3L	0.75	1.00	12	HEAD	69	64	61	58	55	53	45	15
W0 : 3L	WW : 3L	1.10	1.50	16		92	85	81	77	73	71	60	20
W0 : 3L	WW : 3L	1.10	1.50	21		121	112	107	102	97	92	79	27
	WW:3L	1.50	2.00	25		144	134	128	121	115	110	94	32

МО	DEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LP	М	
OF	WF	kW	H.P.			0	10	15	20	25	35	40
W0 : 5L	WW : 5L	0.37	0.50	8		45	42	40	38	34	28	20
W0 : 5L	WW : 5L	0.37	0.50	9	IN METERS	50	48	45	43	39	32	22
W0:5L	WW : 5L	0.55	0.75	14	N W	78	74	70	67	60	49	35
W0:5L	WW : 5L	0.75	1.00	16	HEAD	90	85	80	77	69	56	40
W0:5L	WW : 5L	0.75	1.00	18	三	101	95	90	86	77	63	45
W0:5L	WW : 5L	0.75	1.00	20		112	106	100	96	86	70	50
W0:5L	WW : 5L	0.75	1.00	21		118	111	105	101	90	74	52
W0 : 5L	WW : 5L	1.10	1.50	25		140	132	125	120	108	88	62

Note: OF - Single phase motors are available upto 3 H.P.

WF - Single phase motors are available up to 5 H.P.

OUTLET SIZE :- 50mm

TYPE OF FLOW: MIXED

MO	DEL	MOTOR	RATING	STAGE				D	ISCHAR	GE IN LPI	М
0F	WF	kW	H.P.		TERS	0	110	160	190	220	250
W0:7L	WW : 7L	1.10	1.50	6	IN MET	40	33	27	22	18	10
W0:7L	WW : 7L	1.50	2.00	8	HEAD	53	44	36	30	24	14
	WW : 7L	2.20	3.00	10	三	66	55	45	38	32	17
VS0:77	WW : 7L	2.20	3.00	12		79	66	54	46	38	20

**V4 OF & WF** 

SUITABLE FOR 100 mm BOREWELL OR ABOVE (Min.Bore Dia. 100mm)

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE / 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY. Maximum Motor OD: - 96.5mm & Pump OD: - 98 mm

OUTLET SIZE :- 32mm

TYPE OF FLOW: RADIAL

МО	DEL	MOTOR	RATING	STAGE					D	ISCHAR	GE IN LP	М			
OF	WF	kW	H.P.	1		0	28	42	43	45	52	58	64	80	92
W0:2H	WW:2H	0.37	0.50	4	RS	35	31	29	28.5	28	26	23	21	16	11
W0:2H	WW:2H	0.37	0.50	5	METERS	44	39	36	36	35	33	29	26	20	14
W0:2H	WW:2H	0.75	1.00	7	<u>×</u>	60	55	51	50	49	45	41	37	28	19
W0:2H	WW:2H	1.10	1.50	10	HEAI	87	78	72	71	69	63	59	53	40	28
W0:2H	WW:2H	1.10	1.50	12		104	94	86	85	83	76	71	63	49	33
W0:2H	WW:2H	1.50	2.00	14		121	110	101	99	97	89	82	74	57	39
	WW:2H	1.50	2.00	16		139	125	115	113	111	101	94	84	65	44
	WW:2H	2.20	3.00	18		156	141	129	127	125	114	106	95	73	50

OUTLET SIZE: 38mm (ON DEMAND CAN PROVIDE 50mm)

MOI	DEL	MOTOR	RATING	STAGE					DISCH	HARGE IN	I LPM			
WF	OF	kW	H.P.			0	35	42	50	70	75	80	90	95
WW:3H(N)	W0:3H(N)	0.55	0.75	7		51	46	42	38	32	28	25	20	14
WW:3H(N) E	W0:3H(N) E	0.75	1.00	7		51	46	42	38	32	28	25	20	14
WW:3H(N)	W0:3H(N)	0.75	1.00	8	IN METERS	58	53	48	43	36	33	29	23	16
WW:3H(N)	W0:3H(N)	0.75	1.00	10	N ME	73	66	60	54	45	41	36	29	20
WW:3H(N)	W0:3H(N)	1.10	1.50	12	HEAD I	88	79	72	65	54	49	43	35	24
WW:3H(N)	W0:3H(N)	1.10	1.50	15	堂	110	99	90	81	68	61	54	44	30
WW:3H(N)	W0:3H(N)	1.50	2.00	14		102	92	84	75	63	57	50	40	28
WW:3H(N)	W0:3H(N)	1.50	2.00	18		132	118	108	97	81	73	64	52	36
WW:3H(N)		2.20	3.00	21		154	138	126	113	95	85	75	60	42
WW:3H(N)		2.20	3.00	25		183	164	150	135	113	101	89	71	50

OUTLET SIZE :- 32mm (ON DEMAND CAN PROVIDE 38mm)

TYPE OF FLOW: RADIAL

N	10DEL	МОТОБ	RATING	STAGE				D	ISCHAR	GE IN LP	М		
WF	OF	kW	H.P.		ETERS	0	13	20	24	27	34	39	45
W0 4H E	WW : 4H(L) E	0.75	1.00	10	N ME	73	63	59	55	53	43	35	22
W0 4H	WW : 4H(L)	0.75	1.00	14	EAD I	102	88	82	77	74	60	49	31
W0 4H	WW : 4H(L)	0.75	1.00	16	三	116	101	94	88	84	68	56	35
W0 4H	WW : 4H(L)	1.10	1.50	18		131	113	105	99	95	77	63	40

Note: OF - Single phase motors are available upto 3 H.P.

WF - Single phase motors are available up to 5 H.P.

OUTLET SIZE :- 32mm TYPE OF FLOW: RADIAL

MO	DEL	MOTOR	RATING	STAGE					D	ISCHAR	GE IN LP	М			
OF	WF	kW	H.P.			0	14	16	18	20	25	30	40	45	50
VSO:5H	VS:5H	0.37	0.5	7		54	48	46	45	43	42	37	32	25	19
VSO:5H	VS:5H	0.55	0.75	10		77	69	66	64	62	60	53	45	36	27
VSO:5H	VS:5H	0.75	1	13	TERS	100	89	86	84	81	78	68	59	47	35
	VS:5H	1.1	1.5	18	IN ME	139	123	119	116	112	108	95	81	65	48
	VS:5H	1.1	1.5	20	EAD	154	137	133	129	124	120	105	90	73	54
	VS:5H	1.5	2	25	뿔	193	171	166	161	155	150	131	113	91	67
	VS:5H	1.5	2	27		208	185	179	174	167	162	141	122	98	72
	VS:5H	1.5	2	30		231	206	199	193	186	180	158	135	109	80
	VS:5H	2.2	3	40	1	308	274	265	257	248	240	210	180	145	107
	VS:5H	3	4	50	1	385	343	332	321	310	300	263	225	182	133

OUTLET SIZE :- 32mm TYPE OF FLOW: RADIAL

MODEL	MOTOR	RATING	STAGE					D	ISCHAR	GE IN LP	М			
WF	kW	H.P.			0	25	30	35	45	50	55	60	65	75
VS:7H	0.75	1	10	RS	80	71	68	63	58	53	47	41	34	26
VS:7H	1.1	1.5	15	METERS	120	107	101	95	87	79	71	62	52	40
VS:7H	1.5	2	20	$\geq$	160	142	135	126	116	106	94	82	69	53
VS:7H	2.2	3	25	HEAD	201	178	169	158	145	132	118	103	86	66
VS:7H	2.2	3	30		241	214	203	189	174	158	142	124	103	79
VS:7H	3	4	40		321	285	270	252	232	211	189	165	138	106
VS:7H	3.7	5	50		401	356	338	315	290	264	236	206	172	132

OUTLET SIZE :- 50 & 65mm TYPE OF FLOW: MIXED

MODI	EL	MOTOR	RATING	STAGE					DISCI	HARGE IN	I LPM			
OF	WF	kW	H.P.			0	190	225	265	295	320	350	365	380
VS0:74 J	VS:74 J	1.50	2.00	7		39	29	26	23	21	19	16	14	12
VS0:74 J E		2.20	3.00	7	RS	39	29	26	23	21	19	16	14	12
VS0:74 J	VS:74 J	2.20	3.00	8	METER	44	33	30	27	24	21	18	16	13
	VS:74 J	2.20	3.00	9	<b>=</b>	50	37	34	30	27	24	20	18	15
	VS:74 J	3.00	4.00	10	HEAD	56	41	38	33	30	27	22	20	17
	VS:74 J	3.70	5.00	12		67	49	45	40	36	32	27	24	20
	VS:74 J	3.70	5.00	14		78	58	53	47	42	37	31	28	23
	VS:74 J	4.50	6.00	16		89	66	60	53	48	43	36	32	27
	VS-74 I	4.50	6.00	18		100	74	68	60	54	48	40	36	30

OUTLET SIZE :- 50 & 65mm

TYPE OF FLOW : MIXED

MOD	EL	MOTOR	RATING	STAGE					DISCI	HARGE II	N LPM		
OF	WF	kW	H.P.			0	210	260	320	370	425	485	600
VS0:74 C	VS:74 C	1.50	2.00	5	RS	30	24	21	19	17	15	13	9
VS0:74 C	VS:74 C	1.50	2.00	6	METEI	36	28	26	23	21	18	15	10
VS0:74 C	VS:74 C	2.20	3.00	6	Z	36	28	26	23	21	18	15	10
	VS:74 C	2.20	3.00	7	HEAD	42	33	30	27	24	21	18	12
	VS:74 C	3.70	5.00	10		60	47	43	39	34	30	26	17
	VS:74 C	5.50	7.50	14		84	66	60	54	48	42	36	24
	VS:74 C	7.50	10.00	16		96	75	68	62	55	48	41	27

OUTLET SIZE :- 65mm TYPE OF FLOW: MIXED

MOI	DEL	MOTOR	RATING	STAGE					DISCI	HARGE IN	I LPM			
OF	WF	kW	H.P.		S2	0	120	200	250	300	350	400	450	500
VS0:79	VS:79	2.20	3.00	6	METERS	38	33	30	27	24	21	18	15	12
	VS:79	2.20	3.00	7	N	44	39	35	32	28	24.5	21	18	14
	VS:79	3.70	5.00	10	HEAL	62	55	50	45	40	35	30	25	20
	VS:79	4.50	6.00	12		75	66	60	54	48	42	36	30	24
	VS:79	5.50	7.50	14		88	77	70	63	56	49	42	35	28

Note: OF - Single phase motors are available upto 3 H.P. WF - Single phase motors are available up to 5 H.P.