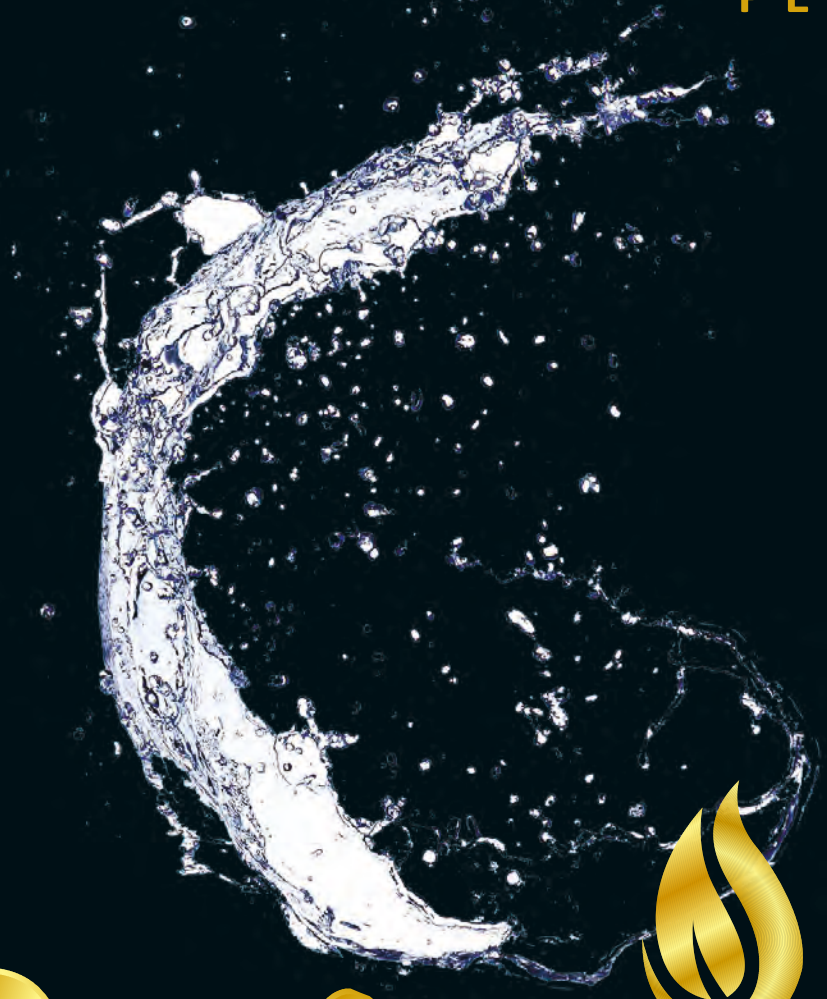




PERFORMANCE BOOK



Calama

The Spring Of Life



THE CALAMA GROUP

Company Started with intention of making quality pumpsets for agricultural and industrial purposes. Unbounded passion, unmatched skill and uncompromising quality control led us to give a reputed name with in farmers and industries.

The certification of ISI marks and ISO 9001 just affirmation the “CALAMA” is signature of quality.

The Path of progress has been marked by many achievements wherein consolidation and diversification have been the mantra from day one. Our vision is to make our customer happy and loyal to brand “CALAMA”.

The Group’s uncompromising commitment to quality, customer satisfaction , adoption of latest technologies, inclusion of new types and developing standard products types and developing standard products through continuous R & D yielded magnificent results.

CALAMA Group has an all india presence through strong dealers network in all important cities.

THE PRODUCT RANGE

- (1) Self Priming Mini Monoblock Pumpset.
- (2) Openwell Submersible Pumpset
- (3) Centrifugal Pumpset
- (3) Vertical Openwell Submersible Pumpset
- (4) V-3 Submersible Pumpset
- (5) V-4 Submersible Pumpset
- (6) V-5 Submersible Pumpset
- (7) V-6 Submersible Pumpset
- (8) V-8, V-10, Submersible Pumpset
- (9) V-6, V-8, Janta Series Submersible Pumpset
- (10) Electric Motors
- (11) Cables & Wires
- (12) uPVC Column Pipes





Application

The range of submersible pumps are designed for wide range of application within the water supply, irrigation system, ground water harvesting, High rise building water supply system, Fountains, clean liquid transfer.

Pump

Multistage centrifugal pump with radial and mix flow impeller direct coupled to motor. The suction intermediate is fitted with strainer. The stage casing are connected to each other with stud and nuts, in some model the casing are strapped with tie bar to ensure perfect sealing and to absorb the torque. The pump bearing are water lubricated and screened against the ingress of sand. The motor cables run alongside the pump and protected against mechanical damages by metallic cable sheaths.

Pump Liquid

All Pumps are only suitable for pumping clean, cold, fresh, non-aggressive, non-explosive water without abrasives, solid particles or fibers. Clear cold water shall mean water having following characteristics.

Temperature	33° C (Max.)
Permissible amount of sand	25 gm / m ³ (Max.)
Chlorine ion density	500 ppm (Max.)
Allowable solids	3000 ppm (Max.)
Specific gravity	1.004 (Max.)
Hardness (Drinking water)	300 (Max.)
Viscosity	1.75 x 106 m ² / Sec (Max.)
Turbidity	50 ppm Silica scale (Max.)
pH	6.5 to 8.5

Motor

CALAMA submersible motors are 2 pole squirrel cage induction motor has water lubricated bearings. It's winding lies in water and is therefore intensively cooled. The motor is protected against the entry of well water and sand etc. The excess pressure due to the heating up of the winding and water filled in is compensated by pressure equalling rubber diaphragm provided in the bottom most side of the motor. The axial thrust of the pump is taken care by tilting thrust bearing which is designed for untoward thrust load. The pump shaft and motor shaft are rigidly connected sleeve type coupling.

Range

CALAMA submersible pumps are suitable for the wide range of Bore hole size : 4", 6", 8", 10" & 12"

Outlet size : 1 1/4" to 6.0"

Flow rate : 16 LPM to 4660 LPM

Head range : Max. 300 mtr

Liquid Temperature : 35 Deg.C

Ambient Temp : 45 Deg. C

Mini Submergence : 0.5 mtr from NRV

Mounting Standard

NEMA

Technical data

Voltages	1Phase x 230V+10%-15%@50Hz 3 Phase x 415V+10%-15%@50Hz
Power range	Upto 2.2 KW single phase Upto 93.2 KW three phase
Degree of protection	IP 58
Type of duty	S1
Minimum cooling flow	0.15 m/sec around the motor

Construction of Material

Motor	V4	Stainless Steel Construction	V6, V8, V10
		HJM & HIM models	
Rotor shaft t	SS - AISI 410	EN9 / EN 19	SS - AISI 410
Stator body/casing	Stainless steel	Stainless steel - AISI 304	Stainless steel / AISI 304
Housing	C.I.Gr.FG200 IS:210		C.I.Gr.FG200 IS:210
Base Cover	C.I.Gr.FG200 IS:210	Stainless steel - AISI 304 / C.I.Gr.FG200	IS:210 C.I.Gr.FG200 IS:210
Thrust bearing segment	SS - AISI 420	SS - AISI 420	AISI 420 hardened
Thrust bearing liner	Carbon / Polymer	Carbon / Polymer	Carbon / Polymer
Bearing diaphragm	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
Bearing Bush	Tin Leaded Bronze	Tin Leaded Bronze	Tin Leaded Bronze
Pump			
Casing	NORYL	SS - AISI 304 investment casting	C.I.Gr.FG200 IS:210
NRV Body	C.I.Gr.FG200 IS:210	SS - AISI 304 investment casting	C.I.Gr.FG200 IS:210
Suction casing	C.I.Gr.FG200 IS:210	SS - AISI 304 investment casting	C.I.Gr.FG200 IS:210
Pumps shaft	Stainless steel - AISI 410	SS - AISI 410	SS - AISI 410
Pump sleeve	Stainless steel - AISI 410	Stainless steel - AISI 410	Stainless steel / AISI 410
Impeller	NORYL	SS - AISI 304 investment casting or Bronze	Bronze / Stainless steel / AISI 304
Casing Wear ring	-	Nitrile Rubber	Nitrile Rubber / Tin Leaded Bronze

* We are also equipped to supply pump sets in different construction of materials and also with special designs, voltage, frequency, protection class as per specification of any international standard or as per requirement of our valued customers.

* In view of continuous developments, the descriptions, specifications, illustrations and other informations provided are subject to change without notice.

* Curve tolerance according to ISO 9906.



INDEX

1.	V-3 WATERFILLED SUBMERSIBLE PUMPSETS	7-10
2.	V-4 WATERFILLED SUBMERSIBLE PUMPSETS	11-20
3.	V-5 WATERFILLED SUBMERSIBLE PUMPSETS	21-25
4.	V-6 WATERFILLED SUBMERSIBLE PUMPSETS	28-38
5.	V-8 WATERFILLED SUBMERSIBLE PUMPSETS	39-43
6.	V-10 WATERFILLED SUBMERSIBLE PUMPSETS	44-46
7.	V-6 to V-8 (JANTA MODEL) WATERFILLED SUBMERSIBLE PUMPSETS	47-48
8.	VERTICAL OPENWELL (K&Q TYPE) WATERFILLED SUBMERSIBLE PUMPSETS	49-51
9.	OPENWELL SUBMERSIBLE PUMPSETS	54-55
10.	CENTRIFUGAL PUMPSETS	56-57
11.	SELF-PRIMING MINI MONOBLOCK PUMPSETS	58

Notes:

SINGLE / THREE PHASE SUBMERSIBLE V-3, V-4, V-5 PUMPSETS - WATERFILLED

SINGLE / THREE PHASE SUBMERSIBLE V-3, V-4, V-5 PUMPSETS - WATERFILLED

IS: 8034



CM/L :7200171299

IS: 9283



CM/L :7200171299



Prices are in in this price list are subjected
to change without prior notice

V3 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 80 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR



PUMP TYPE: Radial Flow-35, Maximum Head Per Stage (12 feet)														
SUBMERSIBLE V3 PUMP SET (PUMP OD 69 MM)														
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	10	15	20	25	35	45	50
1	CAV3R1200510	0.5	10	1.25	1		40	38	35	30	25	20	15	10
2	CAV3R1207515	0.75	15	1.25	1		60	57	53	45	38	30	23	15
3	CAV3R1201018	1	18	1.25	1		72	68	63	54	45	36	27	18
4	CAV3R1201525	1.5	25	1.25	1		100	95	88	75	63	50	38	25

PUMP TYPE: Radial Flow-37, Maximum Head Per Stage (12 feet)														
SUBMERSIBLE V3 PUMP SET (PUMP OD 69 MM)														
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	20	35	40	50	60	65	70
1	CAV3R1200508	0.5	8	1.25	1		32	30	28	24	20	16	12	8
2	CAV3R1207512	0.75	12	1.25	1		48	46	42	36	30	24	18	12
3	CAV3R1201016	1	16	1.25	1		64	61	56	48	40	32	24	16
4	CAV3R1201520	1.5	20	1.25	1		80	76	70	60	50	40	30	20

V3 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 80 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR



PUMP TYPE: Radial Flow-310, Maximum Head Per Stage (12 feet)														
SUBMERSIBLE V3 PUMP SET (PUMP OD 69 MM)														
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	25	35	45	55	65	75	85
1	CAV3R1207510	0.75	10	1.25	1		40	38	35	30	25	20	15	10
2	CAV3R1201012	1	12	1.25	1		48	46	42	36	30	24	18	12
3	CAV3R1201010	1	10	1.25	1		40	38	35	30	25	20	15	10
4	CAV3R1201515	1.5	15	1.25	1		60	57	53	45	38	30	23	15

PUMP TYPE: Radial Flow-32, Maximum Head Per Stage (15 feet)														
SUBMERSIBLE V3 PUMP SET (PUMP OD 74 MM)														
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	20	25	32	35	45	50	55
1	CAV3R1500512	0.5	12	1	1		54	46	42	36	30	24	18	12
2	CAV3R1507518	0.75	18	1	1		81	68	63	54	45	36	27	18
3	CAV3R1501023	1	23	1	1		104	87	81	69	58	46	35	23
4	CAV3R1501528	1.5	28	1	1		126	106	98	84	70	56	42	28
5	CAV3R1502040	2	40	1	1		180	152	140	120	100	80	60	40

V3 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 80 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR



PUMP TYPE: Radial Flow-34, Maximum Head Per Stage (15 feet)													
SUBMERSIBLE V3 PUMP SET (PUMP OD 74 MM)													
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	20	30	40	50	60	70
1	CAV3R1500509	0.5	9	1	1		41	34	32	27	23	18	14
2	CAV3R1507514	0.75	14	1	1		63	53	49	42	35	28	21
3	CAV3R1501018	1	18	1	1		81	68	63	54	45	36	27
4	CAV3R1501523	1.5	23	1	1		104	87	81	69	58	46	35
5	CAV3R1502035	2	35	1	1		158	133	123	105	88	70	53

PUMP TYPE: Radial Flow-37, Maximum Head Per Stage (15 feet)													
SUBMERSIBLE V3 PUMP SET (PUMP OD 74 MM)													
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	30	40	50	60	70	80
1	CAV3R1500506	0.5	6	1	1		27	23	21	18	15	12	9
2	CAV3R1507510	0.75	10	1	1		45	38	35	30	25	20	15
3	CAV3R1501013	1	13	1	1		59	49	46	39	33	26	20
4	CAV3R1501516	1.5	16	1	1		72	61	56	48	40	32	24
5	CAV3R1502025	2	25	1	1		113	95	88	75	63	50	38

V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow cora series (wf-1c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	15	25	30	35	40	50	60
1	CAV4RC2000510	0.37	0.5	10	32	1		60	55	50	45	40	35	25	15
2	CAV4RC2007510	0.55	0.75	12	32	1		72	66	60	54	48	42	30	18
3	CAV4RC2007515	0.55	0.75	15	32	1		90	82	75	68	60	53	38	23
4	CAV4RC2001016	0.75	1	16	32	1		96	88	80	72	64	56	40	24
5	CAV4RC2001018	0.75	1	18	32	1		108	99	90	81	72	63	45	27
6	CAV4RC2001525	1.10	1.5	25	32	1		150	136	125	112	100	88	63	38
7	CAV4RC2001530	1.5	2	30	32	1/3		180	165	150	135	120	105	75	45
8	CAV4RC2002035	1.5	2	35	32	1/3		210	192	175	158	140	120	88	53
9	CAV4RC2003045	2.2	3	45	32	1/3		270	248	225	203	180	158	113	68

PUMP TYPE: Radial Flow cora series (wf-2c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	25	35	45	50	55	60	70
1	CAV4RC2000510	0.37	0.5	8	32	1		48	44	40	36	32	28	20	8
2	CAV4RC2007510	0.55	0.75	10	32	1		60	55	50	45	40	35	25	10
3	CAV4RC2001013	0.75	1	13	32	1		78	72	65	59	52	46	33	13
4	CAV4RC2001015	0.75	1	15	32	1		90	83	75	68	60	53	38	15
5	CAV4RC2001520	1.1	1.5	20	32	1		120	110	100	90	80	70	50	20
6	CAV4RC2002025	1.5	2	25	32	1/3		150	138	125	113	100	88	63	25
7	CAV4RC2003030	2.2	3	30	32	1/3		180	165	150	135	120	105	75	30
8	CAV4RC2003035	2.2	3	35	32	1/3		210	193	175	158	138	120	88	35
9	CAV4RC2003040	2.2	3	40	32	1/3		240	200	180	160	140	123	100	40

The above performance in this booklet may vary due to field condition, Voltage Frequency fluctuation and different pipe losses.



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR



PUMP TYPE: Radial Flow cora series (wf-2c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	25	35	45	50	55	60	70
10	CAV4RC2005045	3.7	5	45	32	3		270	225	203	180	158	135	113	45
11	CAV4RC2005050	3.7	5	50	32	3		300	250	225	200	175	150	125	50
12	CAV4RC2006055	4.5	6	55	32	3		330	275	248	220	193	165	138	55
13	CAV4RC2006060	4.5	6	60	32	3		360	300	270	240	210	180	150	60
14	CAV4RC2075070	5.6	7.5	70	32	3		420	385	350	315	280	245	175	70

PUMP TYPE: Radial Flow cora series (wf-4c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	45	55	70	80	90	100	120
1	CAV4RC2000505	0.37	0.5	5	32	1		30	25	23	20	18	15	10	5
2	CAV4RC2007508	0.55	0.75	8	32	1		48	40	36	32	28	24	16	8
3	CAV4RC2001010	0.75	1	10	32	1		60	50	45	40	35	30	20	10
4	CAV4RC2001012	0.75	1	12	32	1		72	60	54	48	42	36	24	12
5	CAV4RC2001515	1.1	1.5	15	32	1		90	75	68	60	53	45	30	15
6	CAV4RC2002020	1.5	2	20	32	1/3		120	100	90	80	70	60	40	20
7	CAV4RC2003025	2.2	3	25	32	1/3		150	125	113	100	88	75	50	25
8	CAV4RC2005035	3.7	5	35	32	3		210	175	158	140	123	105	70	35
9	CAV4RC2005040	3.7	5	40	32	3		240	200	180	160	140	120	80	40
10	CAV4RC2006045	4.5	6	45	32	3		270	225	203	180	158	135	90	45
11	CAV4RC2006050	4.5	6	50	32	3		300	250	225	200	175	150	100	50
12	CAV4RC2075060	5.6	7.5	60	32	3		360	300	270	240	210	180	120	60

V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow cora series (wf-5c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	60	75	85	90	105	135	150
1	CAV4RC2001008	0.75	1	8	40	1		48	40	36	32	28	24	16	8
2	CAV4RC2001512	1.1	1.5	12	40	1		72	60	54	48	42	36	24	12
3	CAV4RC2002015	1.5	2	15	40	1/3		90	75	68	60	53	45	30	15
4	CAV4RC2003020	2.2	3	20	40	1/3		120	100	90	80	70	60	40	20
5	CAV4RC2003022	2.2	3	22	40	1/3		132	110	99	88	77	66	44	22
6	CAV4RC2005030	3.7	5	30	40	3		180	150	135	120	105	90	60	30
7	CAV4RC2006040	4.5	6	40	40	3		240	200	180	160	140	120	80	40
8	CAV4RC2075045	5.6	7.5	45	40	3		270	225	203	180	158	135	90	45
9	CAV4RC2075050	5.6	7.5	50	40	3		300	250	225	200	175	150	100	50

PUMP TYPE: Radial Flow cora series (wf-7c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	65	75	100	110	130	155	180
1	CAV4RC2001007	0.75	1	7	40	1		42	35	32	28	25	21	14	7
2	CAV4RC2001510	1.1	1.5	10	40	1		60	50	45	40	35	30	20	10
3	CAV4RC2002014	1.5	2	14	40	1/3		84	70	63	56	49	42	28	14
4	CAV4RC2003018	2.2	3	18	40	1/3		108	90	81	72	63	54	36	18
5	CAV4RC2005025	3.7	5	25	40	3		150	125	113	100	88	75	50	25
6	CAV4RC2075040	5.6	7.5	40	40	3		240	200	180	160	140	120	80	40



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow cora series (wf-10c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	120	130	140	150	165	185	200
1	CAV4RC2001005	0.75	1	5	50	1		30	25	23	20	18	15	10	5
2	CAV4RC2001508	1.1	1.5	8	50	1		48	40	36	32	28	24	16	8
3	CAV4RC2002010	1.5	2	10	50	1/3		60	50	45	40	35	30	20	10
4	CAV4RC2003015	2.2	3	15	50	1/3		90	75	68	60	53	45	30	15
5	CAV4RC2005020	3.7	5	20	50	3		120	100	90	80	70	60	40	20

PUMP TYPE: Radial Flow cora series (wf-12c)															
Maximum Head Per Stage (20 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	135	145	170	180	200	220	240
1	CAV4RC2001506	0.75	1.5	6	50	1		36	30	27	24	21	18	12	6
2	CAV4RC2002008	1.1	2	8	50	1/3		48	40	36	32	28	24	16	8
3	CAV4RC2003012	1.5	3	12	50	1/3		72	60	54	48	42	36	24	12
4	CAV4RC2005016	2.2	5	16	50	3		96	80	72	64	56	48	32	16

PUMP TYPE: Radial Flow cora series (wf-18)															
Maximum Head Per Stage (15 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	130	180	220	250	310	350	410
1	CAV4RC2002006	1.1	2	6	50	1/3		30	27	24	21	18	12	9	6
2	CAV4RC2003008	1.5	3	8	50	1/3		40	36	32	28	24	16	12	8
3	CAV4RC2003010	1.5	3	10	50	1/3		50	45	40	35	30	20	15	10
4	CAV4RC2005012	2.2	5	12	50	3		60	54	48	42	36	24	18	12



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR



PUMP TYPE: mixed flow c.i. bowl cora series (wf-18c)															
Maximum Head Per Stage (15 feet)															
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM								
							HEAD IN METERS	0	100	160	250	350	450	500	550
1	CAV4MC1502006	1.1	2	6	65	1/3		39	36	33	26	19	10	3	*
2	CAV4MC1503008	1.5	3	8	65	1/3		46	43	40	33	26	17	10	3
3	CAV4MC1503009	1.5	3	9	65	1/3		49	46	43	36	29	20	13	6
4	CAV4MC1505010	2.2	5	10	65	3		53	50	47	40	33	24	17	10
5	CAV4MC1505012	2.2	5	12	65	3		60	57	54	47	40	30	24	16
6	CAV4MC1507514	5.6	7.5	14	65	3		67	64	61	54	47	37	31	21

V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow R series (wf-r1)																
Maximum Head Per Stage (25 feet)																
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM									
							0	15	20	26	31	38	44	50	65	
1	CAV4RR2500507	0.37	0.5	7	32	1	HEAD IN METERS	49	46	43	40	35	29	21	10	7
2	CAV4RR2507510	0.55	0.75	10	32	1		70	65	61	57	50	41	30	14	10
3	CAV4RR2501013	0.75	1	13	32	1		91	85	79	74	65	53	39	18	13
4	CAV4RR2501016	0.75	1	16	32	1		112	104	98	91	80	66	48	22	16
5	CAV4RR2501520	1.10	1.5	20	32	1		140	130	122	114	100	82	60	28	20
6	CAV4RR2501524	1.10	1.5	24	32	1		168	156	146	137	120	98	72	34	24
7	CAV4RR2502025	1.5	2	25	32	1/3		175	163	153	143	125	103	75	35	25
8	CAV4RR2502030	1.5	2	30	32	1/3		210	195	183	171	150	123	90	42	30
9	CAV4RR2503036	2.2	3	36	32	1/3		252	234	220	205	180	148	108	50	36
10	CAV4RR2503040	2.2	3	40	32	1/3		280	260	244	228	200	164	120	56	40



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial FlowR series (wf-r2)																
Maximum Head Per Stage (25 feet)																
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM									
							0	20	25	32	40	50	55	60	70	
1	CAV4RR2500506	0.37	0.5	6	32	1	HEAD IN METERS	45	41	39	35	30	22	16	10	6
2	CAV4RR2507508	0.55	0.75	8	32	1		60	54	52	46	40	30	22	13	8
3	CAV4RR2507509	0.55	0.75	9	32	1		68	61	59	52	45	33	24	14	9
4	CAV4RR2501010	0.75	1	10	32	1		82	68	65	58	50	37	27	16	10
5	CAV4RR2501012	0.75	1	12	32	1		90	82	78	70	60	44	32	19	12
6	CAV4RR2501515	1.10	1.5	15	32	1		113	102	98	87	75	56	41	24	15
7	CAV4RR2501518	1.10	1.5	18	32	1		135	122	117	104	90	67	49	29	18
8	CAV4RR2502020	1.5	2	20	32	1/3		150	136	130	116	100	74	54	32	20
9	CAV4RR2502022	1.5	2	22	32	1/3		165	150	143	128	110	81	59	35	22
10	CAV4RR2503030	2.2	3	30	32	1/3		225	204	195	174	150	111	81	48	30
11	CAV4RR2503035	2.2	3	35	32	1/3		263	238	228	203	175	130	95	56	35
12	CAV4RR2503045	3	4	45	32	3		338	306	293	261	225	167	122	72	45
13	CAV4RR2504040	3	4	40	32	3		300	272	260	232	200	148	108	64	40
14	CAV4RR2505050	3.7	5	50	32	3		375	340	325	290	250	185	135	80	50



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow R series (wf-r3)																
Maximum Head Per Stage (25 feet)																
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM									
							0	26	33	50	65	74	80	90	100	
1	CAV4RR2507506	0.55	0.75	6	32	1	HEAD IN METERS	48	46	44	38	30	25	19	11	6
2	CAV4RR2501008	0.75	1	8	32	1		64	62	58	50	40	34	25	15	8
3	CAV4RR2501009	0.75	1	9	32	1		72	69	66	57	45	38	28	17	9
4	CAV4RR2501510	1.10	1.5	10	32	1		80	77	73	63	50	42	31	19	10
5	CAV4RR2501512	1.10	1.5	12	32	1		96	92	88	76	60	50	37	23	12
6	CAV4RR2502013	1.5	2	13	32	1/3		104	100	95	82	65	55	40	25	13
7	CAV4RR2502016	1.5	2	16	32	1/3		128	123	117	101	80	67	50	30	16
8	CAV4RR2503020	2.2	3	20	32	1/3		160	154	146	126	100	84	62	38	20
9	CAV4RR2503024	2.2	3	24	32	1/3		192	185	175	151	120	101	74	46	24
10	CAV4RR2503026	2.2	3	26	32	1/3		208	200	190	164	130	109	81	49	26
11	CAV4RR2504030	3	4	30	32	3		240	231	219	189	150	126	93	57	30
12	CAV4RR2505035	3.7	5	35	32	3		280	270	256	221	175	147	109	67	35
13	CAV4RR2505040	3.7	5	40	32	3		320	308	292	252	200	168	124	76	40
14	CAV4RR2506045	4.5	6	45	32	3		360	347	329	284	225	189	140	86	45
15	CAV4RR2575050	5.6	7.5	50	32	3		400	385	365	315	250	210	155	95	50



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow R series (wf-r5)																
Maximum Head Per Stage (25 feet)																
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM									
							0	40	55	70	90	98	110	125	135	
1	CAV4RR2501006	0.75	1	6	32	1	HEAD IN METERS	48	44	41	37	30	27	22	14	6
2	CAV4RR2501509	1.10	1.5	9	32	1		72	66	61	56	45	41	32	21	9
3	CAV4RR2502012	1.5	2	12	32	1/3		96	88	82	74	60	54	43	28	12
4	CAV4RR2503015	2.2	3	15	32	1/3		120	110	102	93	75	68	54	35	15
5	CAV4RR2503018	2.2	3	18	32	1/3		144	131	122	112	90	81	65	41	18
6	CAV4RR2504020	3	4	20	32	3		160	146	136	124	100	90	72	46	20
7	CAV4RR2505025	3.7	5	25	32	3		200	183	170	155	125	113	90	58	25
8	CAV4RR2506030	4.5	6	30	32	3		240	219	204	186	150	135	108	69	30
9	CAV4RR2506032	4.5	6	32	32	3		256	234	218	198	160	144	115	74	32
10	CAV4RR2575035	5.6	7.5	35	32	3		280	256	238	217	175	158	126	81	35
11	CAV4RR2575040	5.6	7.5	40	32	3		320	292	272	248	200	180	144	92	40



V4 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 100 mm Borewell & above

Approximate Chart at 2880 RPM, 200-220 VOLTS SINGLE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: Radial Flow R series (wf-r7)																
Maximum Head Per Stage (25 feet)																
SL NO	Model Number	KW	HP	Stage	Out let in MM	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	65	80	95	120	135	142	150	170
1	CAV4RR2501004	0.75	1	4	32	1		32	28	26	24	20	17	14	11	4
2	CAV4RR2501506	1.10	1.5	6	32	1		48	42	39	37	30	25	21	17	6
3	CAV4RR2502008	1.5	2	8	32	1/3		64	56	52	49	40	34	28	22	8
4	CAV4RR2502010	1.5	2	10	32	1/3		80	70	65	61	50	42	35	28	10
5	CAV4RR2503012	2.2	3	12	32	1/3		96	84	78	73	60	50	42	34	12
6	CAV4RR2503014	2.2	3	14	32	1/3		112	98	91	85	70	59	49	39	14
7	CAV4RR2504016	3	4	16	32	3		128	112	104	98	80	67	56	45	16
8	CAV4RR2505020	3.7	5	20	32	3		160	140	130	122	100	84	70	56	20
9	CAV4RR2506025	4.5	6	25	32	3		200	175	163	153	125	105	88	70	25
10	CAV4RR2575030	5.6	7.5	30	32	3		240	210	195	183	150	126	105	84	30



V5 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 130 mm Borewell & above
Approximate Chart at 2880 RPM, 380 - 415 VOLTS
THREE PHASE, 50 HZ AC SUPPLY
MOTOR : COPPER ROTOR



PUMP TYPE: RADIAL FLOW													
Maximum Head Per Stage (30 feet) CAL-RF10													
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	28	55	58	80	85	95
1	CAV5R30030183	3	18	1.5	3		166	135	119	108	90	81	54
2	CAV5R30050323	5	32	1.5	3		294	240	211	192	160	144	96
3	CAV5R30060403	6	40	1.5	3		368	300	264	240	200	180	120
4	CAV5R30075443	7.5	44	1.5	3		405	330	290	264	220	198	132
5	CAV5R30100553	10	55	1.5	3		506	413	363	330	275	248	165

PUMP TYPE: RADIAL FLOW													
Maximum Head Per Stage (30 feet) CAL-RF15													
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	50	72	93	105	110	135
1	CAV5R30030133	3	13	1.5	3		120	98	86	78	65	59	39
2	CAV5R30050223	5	22	1.5	3		202	165	145	132	110	99	66
3	CAV5R30060283	6	28	1.5	3		258	210	185	168	140	126	84
4	CAV5R30075323	7.5	32	1.5	3		294	240	211	192	160	144	96
5	CAV5R30100403	10	40	1.5	3		368	300	264	240	200	180	120

V5 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 130 mm Borewell & above
Approximate Chart at 2880 RPM, 380 - 415 VOLTS
THREE PHASE, 50 HZ AC SUPPLY
MOTOR : COPPER ROTOR



PUMP TYPE: RADIAL FLOW													
Maximum Head Per Stage (30 feet) CAL-RF20													
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	80	100	110	120	125	150
1	CAV5R30030103	3	10	2	3		92	75	66	60	50	45	30
2	CAV5R30050173	5	17	2	3		156	128	112	102	85	77	51
3	CAV5R30060223	6	22	2	3		202	165	145	132	110	99	66
4	CAV5R30075253	7.5	25	2	3		230	188	165	150	125	113	75
5	CAV5R30100323	10	32	2	3		294	240	211	192	160	144	96

PUMP TYPE: RADIAL FLOW													
Maximum Head Per Stage (30 feet) CAL-RF25													
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	90	125	160	180	190	200
1	CAV5R30030083	3	8	2	3		74	60	53	48	40	36	24
2	CAV5R30050133	5	13	2	3		120	98	86	78	65	59	39
3	CAV5R30060173	6	17	2	3		156	128	112	102	85	77	51
4	CAV5R30075203	7.5	20	2	3		184	150	132	120	100	90	60
5	CAV5R30100253	10	25	2	3		230	188	165	150	125	113	75

V5 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 130 mm Borewell & above
Approximate Chart at 2880 RPM, 380 - 415 VOLTS
THREE PHASE, 50 HZ AC SUPPLY
MOTOR : COPPER ROTOR



PUMP TYPE: RADIAL FLOW/ss impellor															
Maximum Head Per Stage (38 feet) CAL-RF30															
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	25	70	90	120	140	160	170	190
1	CAV5SSR38030103	3	10	2	3		120	110	100	90	80	70	60	50	30
2	CAV5SSR38050163	5	16	2	3		192	176	160	144	128	112	96	80	48
3	CAV5SSR38060203	6	20	2	3		240	220	200	180	160	140	120	100	60
4	CAV5SSR38075253	7.5	25	2	3		300	275	250	225	200	175	150	125	75
5	CAV5SSR38100323	10	32	2	3		384	352	320	288	256	224	192	160	96

PUMP TYPE: RADIAL FLOW/ss impellor															
Maximum Head Per Stage (38 feet) CAL-RF40															
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	50	95	130	155	180	200	215	240
1	CAV5SSR38030073	3	7	2	3		84	77	70	63	56	49	42	35	21
2	CAV5SSR38050123	5	12	2	3		144	132	120	108	96	84	72	60	36
3	CAV5SSR38060153	6	15	2	3		180	165	150	135	120	105	90	75	45
4	CAV5SSR38075183	7.5	18	2	3		216	198	180	162	144	126	108	90	54
5	CAV5SSR38100243	10	24	2	3		288	264	240	216	192	168	144	120	72

V5 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 130 mm Borewell & above
Approximate Chart at 2880 RPM, 380 - 415 VOLTS
THREE PHASE, 50 HZ AC SUPPLY
MOTOR : COPPER ROTOR



PUMP TYPE: RADIAL FLOW/ss impellor															
Maximum Head Per Stage (38 feet) CAL-RF50															
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	80	130	160	190	200	230	240	260
1	CAV5SSR38030063	3	6	2	3		72	66	60	54	48	42	36	30	18
2	CAV5SSR38050103	5	10	2	3		120	110	100	90	80	70	60	50	30
3	CAV5SSR38060123	6	12	2	3		144	132	120	108	96	84	72	60	36
4	CAV5SSR38075153	7.5	15	2	3		180	165	150	135	120	105	90	75	45
5	CAV5SSR38100203	10	20	2	3		240	220	200	180	160	140	120	100	60

PUMP TYPE: RADIAL FLOW/ss impellor															
Maximum Head Per Stage (38 feet) CAL-RF60															
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	110	155	185	215	230	250	260	300
1	CAV5SSR38030053	3	5	2	3		60	55	50	45	40	35	30	25	15
2	CAV5SSR38050083	5	8	2	3		96	88	80	72	64	56	48	40	24
3	CAV5SSR38060103	6	10	2	3		120	110	100	90	80	70	60	50	30
4	CAV5SSR38075123	7.5	12	2	3		144	132	120	108	96	84	72	60	36
5	CAV5SSR38100163	10	16	2	3		192	176	160	144	128	112	80	80	48

V5 THREE PHASE SUBMERSIBLE PUMPSETS-WATERFILLED

Suitable for 130 mm Borewell & above
Approximate Chart at 2880 RPM, 380 - 415 VOLTS
THREE PHASE, 50 HZ AC SUPPLY
MOTOR : COPPER ROTOR

PUMP TYPE: RADIAL FLOW/ss impellor														
Maximum Head Per Stage (38 feet) CAL-RF80														
SL NO	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	150	180	210	240	250	260	290 330
1	CAV5SSR38030043	3	4	2	3		48	44	40	36	32	28	24	20 12
2	CAV5SSR38050063	5	6	2	3		72	66	60	54	48	42	36	30 18
3	CAV5SSR38060083	6	8	2	3		96	88	80	72	64	56	48	40 24
4	CAV5SSR38075103	7.5	10	2	3		120	110	100	90	80	70	60	50 30
5	CAV5SSR38100123	10	12	2	3		144	132	120	108	96	84	72	60 36



THREE PHASE SUBMERSIBLE PUMP V6, V8, V10, V6-V8 (JANTA MODEL) SETS - WATER FILLED

THREE PHASE SUBMERSIBLE PUMP V6, V8, V10, V6-V8 (JANTA MODEL) SETS - WATER FILLED



Prices are in in this price list are subjected
to change without prior notice

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



PUMP TYPE: Radial Flow														
Maximum Head Per Stage (40 feet) CAL-100														
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	320	350	370	390	410	430	500
1	CAV6TR40030033	3	3	2	3		38	29	26	25	23	21	19	8
2	CAV6TR40040043	4	4	2	3		50	38	35	33	31	29	26	11
3	CAV6TR40050053	5	5	2	3		63	48	44	42	39	36	32	14
4	CAV6TR40060063	6	6	2	3		76	58	53	50	47	43	38	16
5	CAV6TR40075083	7.5	8	2	3		101	77	70	67	62	58	51	20
6	CAV6TR40100103	10	10	2	3		126	96	89	84	79	73	64	22
7	CAV6TR40125123	12.5	12	2	3		151	115	107	101	95	88	77	25
8	CAV6TR40150153	15	15	2	3		189	144	133	126	119	110	96	29
9	CAV6TR40175183	17.5	18	2	3		226	172	158	150	142	131	115	31
10	CAV6TR40200203	20	20	2	3		252	192	177	168	158	146	128	33

Maximum Head Per Stage (40 feet) CAL-80														
Serial	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	180	230	280	315	330	380	430
1	CAV6TR40030043	3	4	2	3		48	44	40	36	33	31	25	17
2	CAV6TR40040053	4	5	2	3		60	55	50	45	41	39	31	21
3	CAV6TR40050063	5	6	2	3		73	66	60	54	49	47	38	25
4	CAV6TR40060083	6	8	2	3		96	88	80	72	66	62	50	33
5	CAV6TR40075103	7.5	10	2	3		120	110	100	90	82	78	63	42
6	CAV6TR40100123	10	12	2	3		145	132	120	108	97	94	75	50
7	CAV6TR40125153	12.5	15	2	3		181	165	150	135	123	117	94	63
8	CAV6TR40150183	15	18	2	3		217	198	180	162	148	140	112	76
9	CAV6TR40175223	17.5	22	2	3		265	242	220	198	181	171	138	92
10	CAV6TR40200253	20	25	2	3		301	275	250	225	204	194	156	104

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



Maximum Head Per Stage (40 feet) CAL-70														
Serial	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						0	150	200	250	285	300	350	400	
1	CAV6TR40030043	3	4	2	3	HEAD IN METERS	47	43	40	36	33	31	25	17
2	CAV6TR40040053	4	5	2	3		58	53	50	45	41	39	31	21
3	CAV6TR40050073	5	7	2	3		82	75	70	63	58	55	44	30
4	CAV6TR40060083	6	8	2	3		94	86	80	72	66	63	50	34
5	CAV6TR40075103	7.5	10	2	3		117	107	100	90	82	78	62	42
6	CAV6TR40100143	10	14	2	3		164	150	140	126	114	109	87	58
7	CAV6TR40125183	12.5	18	2	3		210	193	181	162	148	140	111	75
8	CAV6TR40150213	15	21	2	3		245	224	211	190	173	165	129	87
9	CAV6TR40175253	17.5	25	2	3		290	265	250	225	204	193	153	97
10	CAV6TR40200283	20	28	2	3		325	296	281	252	227	215	171	103

Maximum Head Per Stage (40 feet) CAL-60														
Serial	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						0	120	160	200	240	280	300	320	
1	CAV6TR40030053	3	5	2	3	HEAD IN METERS	58	56	51	48	44	37	34	28
2	CAV6TR40040063	4	6	2	3		70	66	62	58	52	45	40	34
3	CAV6TR40050083	5	8	2	3		93	89	83	78	70	60	54	46
4	CAV6TR40060103	6	10	2	3		116	111	104	97	87	75	67	57
5	CAV6TR40075123	7.5	12	2	3		139	133	125	116	104	90	80	68
6	CAV6TR40100163	10	16	2	3		185	177	166	155	139	119	107	91
7	CAV6TR40125203	12.5	20	2	3		195	187	175	164	147	126	114	96
8	CAV6TR40150253	15	25	2	3		288	274	255	238	213	184	166	135
9	CAV6TR40175293	17.5	29	2	3		335	318	298	274	246	212	190	150
10	CAV6TR40200323	20	32	2	3		368	348	328	302	273	232	210	162

The above performance in this booklet may vary due to field condition, Voltage Frequency fluctuation and different pipe losses.

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



Maximum Head Per Stage (40 feet) CAL-50														
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						0	100	140	180	210	250	270	300	
1	CAV6TR40030063	3	6	2	3	HEAD IN METERS	66	59	55	49	44	35	29	20
2	CAV6TR40040083	4	8	2	3		88	78	74	66	59	46	39	26
3	CAV6TR40050103	5	10	2	3		110	98	92	82	74	58	49	33
4	CAV6TR40060123	6	12	2	3		132	118	110	98	89	70	59	40
5	CAV6TR40075153	7.5	15	2	3		165	147	138	123	111	89	73	49
6	CAV6TR40100203	10	20	2	3		220	195	183	163	148	116	98	65
7	CAV6TR40125253	12.5	25	2	3		275	242	229	203	185	145	112	77
8	CAV6TR40150303	15	30	2	3		330	290	271	243	221	173	146	86

Maximum Head Per Stage (40 feet) CAL-40														
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						HEAD IN METERS	0	80	100	160	200	220	240	260
1	CAV6TR40030083	3	8	2	3		88	74	72	61	49	42	34	26
2	CAV6TR40040103	4	10	2	3		110	93	91	77	62	53	43	33
3	CAV6TR40050123	5	12	2	3		132	112	110	93	75	64	52	40
4	CAV6TR40060153	6	15	2	3		165	140	137	116	94	80	65	50
5	CAV6TR40075183	7.5	18	2	3		198	168	165	139	112	96	78	60
6	CAV6TR40075203	7.5	20	2	3		220	184	180	151	124	106	86	65
7	CAV6TR40100253	10	25	2	3		275	223	220	185	156	133	107	73
8	CAV6TR40125303	12.5	30	2	3		330	262	258	220	186	160	129	83
9	CAV6TR40150383	15	38	2	3		418	322	314	276	236	202	162	90

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

Maximum Head Per Stage (40 feet) CAL-30														
SL. No.	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM								
						0	40	80	120	160	180	200	220	
1	CAV6TR40030103	3	10	2	3	HEAD IN METERS	110	88	83	73	58	48	38	25
2	CAV6TR40040123	4	12	2	3		132	102	94	82	66	55	45	28
3	CAV6TR40050153	5	15	2	3		165	125	116	100	79	65	52	35
4	CAV6TR40060183	6	18	2	3		198	151	141	123	95	79	61	40
5	CAV6TR40075223	7.5	22	2	3		242	187	177	154	120	101	76	48
6	CAV6TR40075243	7.5	24	2	3		264	203	191	168	131	110	83	52
7	CAV6TR40075253	7.5	25	2	3		275	211	198	175	137	115	86	54
8	CAV6TR40100303	10	30	2	3		330	249	231	210	164	137	103	58



V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

PUMP TYPE: MIX FLOW													
Maximum Head Per Stage (35 feet) CAL-260													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	200	300	400	500	600	700
1	CAV6TM35030033	3	3	2.5	3		30	26	24	21	18	15	10
2	CAV6TM35040043	4	4	2.5	3		40	35	32	29	25	20	14
3	CAV6TM35050053	5	5	2.5	3		50	44	40	36	31	25	18
4	CAV6TM35060063	6	6	2.5	3		60	53	48	43	37	30	22
5	CAV6TM35075073	7.5	7	2.5	3		70	62	56	50	43	35	25
6	CAV6TM35075083	7.5	8	2.5	3		80	70	64	58	50	40	29
7	CAV6TM35100093	10	9	2.5	3		90	79	72	65	56	45	33
8	CAV6TM35100103	10	10	2.5	3		100	88	80	72	62	50	36
9	CAV6TM35100113	10	11	2.5	3		108	95	87	79	68	55	38
10	CAV6TM35125123	12.5	12	2.5	3		118	104	95	86	74	60	41
11	CAV6TM35125133	12.5	13	2.5	3		128	112	102	93	80	65	43
12	CAV6TM35150143	15	14	2.5	3		138	121	110	101	87	71	46
13	CAV6TM35150153	15	15	2.5	3		148	129	118	108	93	75	48
14	CAV6TM35200203	20	20	2.5	3		200	176	160	144	124	100	72

Maximum Head Per Stage (35 feet) CAL-262													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	200	300	400	500	600	700
1	CAV6TM35040033	4	3	2.5	3		31	27	25	24	22	16	9
2	CAV6TM35050043	5	4	2.5	3		42	37	34	31	29	22	14
3	CAV6TM35060053	6	5	2.5	3		53	47	43	38	35	27	18
4	CAV6TM35075063	7.5	6	2.5	3		64	57	54	47	43	33	20
5	CAV6TM35075073	7.5	7	2.5	3		74	67	62	55	50	38	22



V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

Maximum Head Per Stage (35 feet) CAL-262													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	200	300	400	500	600	700
6	CAV6TM35100083	10	8	2.5	3		86	79	71	63	57	44	26
7	CAV6TM35100093	10	9	2.5	3		96	88	79	70	64	49	29
8	CAV6TM35125103	12.5	10	2.5	3		107	98	89	80	70	55	33
9	CAV6TM35125113	12.5	11	2.5	3		117	106	97	88	76	61	36
10	CAV6TM35150123	15	12	2.5	3		131	119	110	100	86	68	40
11	CAV6TM35150133	15	13	2.5	3		142	129	119	108	93	75	44
12	CAV6TM35200153	20	15	2.5	3		171	157	142	128	120	88	53

Maximum Head Per Stage (35 feet) CAL-263													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
							0	300	400	500	600	700	800
1	CAV6TM35050033	5	3	3	3	HEAD IN METERS	32	29	27	24	22	19	17
2	CAV6TM35060043	6	4	3	3		41	37	34	32	29	25	21
3	CAV6TM35075053	7.5	5	3	3		51	47	43	40	36	31	26
4	CAV6TM35100063	10	6	3	3		62	57	53	49	44	36	30
5	CAV6TM35100073	10	7	3	3		72	65	61	57	51	43	35
6	CAV6TM35125083	12.5	8	3	3		83	74	68	63	58	48	39
7	CAV6TM35125093	12.5	9	3	3		93	83	76	70	65	54	43
8	CAV6TM35150103	15	10	3	3		105	93	86	79	73	61	48
9	CAV6TM35150113	15	11	3	3		116	102	95	87	80	66	50
10	CAV6TM35200143	20	14	3	3		147	130	120	110	102	85	67



V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



Maximum Head Per Stage (35 feet) CAL-302													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	500	600	700	800	1000	1100
1	CAV6TM35060033	6	3	3	3		35	29	27	25	23	17	13
2	CAV6TM35075043	7.5	4	3	3		47	38	36	34	31	23	18
3	CAV6TM35100053	10	5	3	3		59	48	45	43	39	29	22
4	CAV6TM35125063	12.5	6	3	3		71	57	54	51	47	35	26
5	CAV6TM35150073	15	7	3	3		83	67	63	60	55	41	30
6	CAV6TM35150083	15	8	3	3		94	77	72	69	62	46	35
7	CAV6TM35200103	20	10	3	3		119	97	91	87	78	59	44

Maximum Head Per Stage (35 feet) CAL-323													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	600	700	800	900	1100	1200
1	CAV6TM35075033	7.5	3	3	3		42	33	30	27	25	20	18
2	CAV6TM35100043	10	4	3	3		57	42	39	36	33	27	23
3	CAV6TM35125053	12.5	5	3	3		67	51	48	45	41	31	27
4	CAV6TM35150063	15	6	3	3		80	60	56	53	49	40	33
5	CAV6TM35200083	20	8	3	3		105	77	73	67	60	51	44

Maximum Head Per Stage (35 feet) CAL-333													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	600	700	800	900	1100	1200
1	CAV6TM35100033	10	3	3	3		42	34	31	30	29	24	21
2	CAV6TM35125043	12.5	4	3	3		56	45	42	39	37	29	26
3	CAV6TM35150053	15	5	3	3		70	55	50	45	43	35	31
4	CAV6TM35200063	20	6	3	3		83	65	58	52	49	38	33

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



PUMP TYPE: Radial Flow													
CAL50 - 200 Maximum Head Per Stage (45 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	750	700	670	590	490	440	300
1	CAV6R50040023	4	2	2.5	3		6	10	14	18	22	24	28
2	CAV6R50060033	6	3	2.5	3		9	15	21	27	33	36	42
3	CAV6R50075043	7.5	4	2.5	3		12	20	28	36	44	48	56
4	CAV6R50100053	10	5	2.5	3		15	25	35	45	55	60	70
5	CAV6R50125063	12.5	6	2.5	3		18	30	42	54	66	72	84
6	CAV6R50150083	15	8	2.5	3		24	40	56	72	88	96	112
7	CAV6R50175093	17.5	9	2.5	3		27	45	63	81	99	108	126
8	CAV6R50200103	20	10	2.5	3		30	50	70	90	110	120	140
9	CAV6R50250133	25	13	2.5	3		39	65	91	117	143	156	182

CAL50 - 150 Maximum Head Per Stage (50 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	580	565	490	450	400	310	240
1	CAV6R50030023	3	2	2.5	3		10	14	18	22	24	28	30
2	CAV6R50050033	5	3	2.5	3		15	21	27	33	36	42	45
3	CAV6R50060043	6	4	2.5	3		20	28	36	44	48	56	60
4	CAV6R50075053	7.5	5	2.5	3		25	35	45	55	60	70	75
5	CAV6R50100073	10	7	2.5	3		35	49	63	77	84	98	105
6	CAV6R50125083	12.5	8	2.5	3		40	56	72	88	96	112	120
7	CAV6R50150103	15	10	2.5	3		50	70	90	110	120	140	150
8	CAV6R50175123	17.5	12	2.5	3		60	84	108	132	144	168	180
9	CAV6R50200133	20	13	2.5	3		65	91	117	143	156	182	195
10	CAV6R50250173	25	17	2.5	3		85	119	153	187	204	238	255

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



CAL50-125 Maximum Head Per Stage (50 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	500	450	425	380	340	260	220
1	CAV6R50040033	4	3	2	3		15	21	27	33	36	42	45
2	CAV6R50050043	5	4	2	3		20	28	36	44	48	56	60
3	CAV6R50060053	6	5	2	3		25	35	45	55	60	70	75
4	CAV6R50075063	7.5	6	2	3		30	42	54	66	72	84	90
5	CAV6R50100083	10	8	2	3		40	56	72	88	96	112	120
6	CAV6R50125103	12.5	10	2	3		50	70	90	100	120	140	150
7	CAV6R50150123	15	12	2	3		60	84	108	132	144	168	180
8	CAV6R50175143	17.5	14	2	3		70	98	126	154	168	196	210
9	CAV6R50200163	20	16	2	3		80	112	144	176	192	224	240
10	CAV6R50250203	25	20	2	3		100	140	180	220	240	280	300

CAL50-100 Maximum Head Per Stage (50 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	390	360	310	275	245	190	140
1	CAV6R50030033	3	3	2	3		15	21	27	33	36	42	45
2	CAV6R50040043	4	4	2	3		20	28	36	44	48	56	60
3	CAV6R50050053	5	5	2	3		25	35	45	55	60	70	75
4	CAV6R50060063	6	6	2	3		30	42	54	66	72	84	90
5	CAV6R50750083	7.5	8	2	3		40	56	72	88	96	112	120
6	CAV6R50100103	10	10	2	3		50	70	90	110	120	140	150
7	CAV6R50125123	12.5	12	2	3		60	84	108	132	144	168	180
8	CAV6R50150153	15	15	2	3		75	105	135	165	180	210	225
9	CAV6R50175183	17.5	18	2	3		90	126	162	198	216	252	270
10	CAV6R50200203	20	20	2	3		100	140	180	220	240	280	300

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



CAL50-80 Maximum Head Per Stage (50 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	310	275	255	240	205	160	125
1	CAV6R50030043	3	4	2	3		20	28	36	44	48	56	60
2	CAV6R50040053	4	5	2	3		25	35	45	55	60	70	75
3	CAV6R50050063	5	6	2	3		30	42	54	66	72	84	90
4	CAV6R50060083	6	8	2	3		40	56	72	88	96	112	120
5	CAV6R50750103	7.5	10	2	3		50	70	90	110	120	140	150
6	CAV6R50100123	10	12	2	3		60	84	108	132	144	168	180
7	CAV6R50125153	12.5	15	2	3		75	105	135	165	180	210	225
8	CAV6R50150183	15	18	2	3		90	125	162	198	216	252	270
9	CAV6R50175213	17.5	21	2	3		105	147	189	231	252	294	315
10	CAV6R50200243	20	24	2	3		120	168	216	264	288	336	360

CAL50-60 Maximum Head Per Stage (50 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	225	220	180	160	145	110	90
1	CAV6R50030053	3	5	2	3		25	35	45	55	60	70	75
2	CAV6R50040073	4	7	2	3		35	49	63	77	84	98	105
3	CAV6R50050083	5	8	2	3		40	56	72	88	96	112	120
4	CAV6R50060103	6	10	2	3		50	70	90	110	120	140	150
5	CAV6R50750123	7.5	12	2	3		60	84	108	132	144	168	180
6	CAV6R50100163	10	16	2	3		80	112	144	176	192	224	240
7	CAV6R50125203	12.5	20	2	3		100	140	180	220	240	280	300
8	CAV6R50150243	15	24	2	3		120	168	216	264	288	336	360
9	CAV6R50175263	17.5	26	2	3		130	182	234	286	312	364	390
10	CAV6R50200303	20	30	2	3		150	210	270	330	360	420	450

The above performance in this booklet may vary due to field condition, Voltage Frequency fluctuation and different pipe losses.

V6 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 150 mm Borewell & above
Approximate Chart at 2880 RPM,
380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

CAL50-50 Maximum Head Per Stage (50 feet)													
Serial Number	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	170	150	145	130	120	80	55
1	CAV6R50030063	3	6	2	3		30	42	54	66	72	84	90
2	CAV6R50040083	4	8	2	3		40	56	72	88	96	112	120
3	CAV6R50050103	5	10	2	3		50	70	90	110	120	140	150
4	CAV6R50060123	6	12	2	3		60	84	108	132	144	180	188
5	CAV6R50075153	7.5	15	2	3		75	105	135	165	180	210	225
6	CAV6R50100203	10	20	2	3		112	140	182	201	240	255	291
7	CAV6R50125243	12.5	24	2	3		138	165	194	230	288	314	347
8	CAV6R50150283	15	28	2	3		152	215	260	300	336	378	415



V8 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

PUMP TYPE : RADIAL FLOW

CAR-250													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	360	460	600	650	750	780
1	CAV8R70100043	10	4	3	3		92	76	70	64	60	52	46
2	CAV8R70125053	12.5	5	3	3		115	95	88	80	75	65	58
3	CAV8R70150063	15	6	3	3		138	114	105	96	90	78	69
4	CAV8R70200083	20	8	3	3		184	152	140	128	120	104	92
5	CAV8R70250103	25	10	3	3		230	190	175	160	150	130	115
6	CAV8R70300123	30	12	3	3		276	228	210	192	180	156	138
7	CAV8R70350143	35	14	3	3		322	266	245	224	210	182	161
8	CAV8R70400163	40	16	3	3		368	304	280	256	240	208	184

CAR-300													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	380	490	575	650	700	840
1	CAV8R70125043	12.5	4	3	3		96	82	76	70	64	60	48
2	CAV8R70150053	15	5	3	3		120	103	95	88	80	75	60
3	CAV8R70200073	20	7	3	3		168	144	133	123	112	105	84
4	CAV8R70250083	25	8	3	3		192	164	152	140	128	120	96
5	CAV8R70300103	30	10	3	3		240	205	190	175	160	150	120
6	CAV8R70350123	35	12	3	3		288	246	228	210	192	180	144
7	CAV8R70400133	40	13	3	3		312	267	247	228	208	195	156
8	CAV8R70450153	45	15	3	3		360	308	285	263	240	225	180



V8 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



CAR-400													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	440	590	670	740	830	930
1	CAV8R70125033	12.5	3	3	3		72	59	54	53	48	45	38
2	CAV8R70200053	20	5	3	3		120	98	90	88	80	75	63
3	CAV8R70250063	25	6	3	3		144	117	108	105	96	90	75
4	CAV8R70300083	30	8	3	3		192	156	144	140	128	120	100
5	CAV8R70350093	35	9	3	3		216	176	162	158	144	135	113
6	CAV8R70400103	40	10	3	3		240	195	180	175	160	150	125
7	CAV8R70450113	45	11	3	3		264	215	198	193	176	165	138
8	CAV8R70500123	50	12	3	3		288	234	216	210	192	180	150

CAR-500													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	510	620	725	825	900	1000
1	CAV8R70150033	15	3	3	3		75	63	60	59	53	46	41
2	CAV8R70200043	20	4	3	3		100	84	80	78	70	62	57
3	CAV8R70250053	25	5	3	3		125	105	100	98	88	78	70
4	CAV8R70300063	30	6	3	3		150	126	120	117	105	95	84
5	CAV8R70350073	35	7	3	3		175	147	140	137	123	110	98
6	CAV8R70400083	40	8	3	3		200	168	160	156	140	128	112
7	CAV8R70450093	45	9	3	3		225	189	180	176	158	145	130
8	CAV8R70500103	50	10	3	3		250	210	200	195	175	160	150
9	CAV8R70600123	60	12	3	3		300	252	240	234	210	198	175

V8 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

PUMP TYPE : mixed flow

CAM-300													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						0	600	800	1000	1200	1400	1500	
1	CAV8M60125043	12.5	4	4	3	HEAD IN METERS	72	57	53	45	33	23	20
2	CAV8M60150053	15	5	4	3		90	71	66	56	41	29	24
3	CAV8M60200063	20	6	4	3		108	85	79	67	49	35	29
4	CAV8M60250073	25	7	4	3		126	107	96	81	63	44	34
5	CAV8M60250083	25	8	4	3		144	114	101	87	69	48	37
6	CAV8M60300083	30	8	4	3		152	122	110	93	73	51	40
7	CAV8M60300093	30	9	4	3		162	128	118	99	77	53	44
8	CAV8M60300103	30	10	4	3		180	133	120	104	82	56	47
9	CAV8M60350093	35	9	4	3		170	137	127	103	80	54	46
10	CAV8M60350103	35	10	4	3		184	142	132	110	86	57	50
11	CAV8M60400113	40	11	4	3		198	170	154	132	94	71	54
12	CAV8M60400123	40	12	4	3		216	177	160	139	102	74	58

CAM-400													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						0	600	800	1000	1200	1400	1500	
1	CAV8M60125033	12.5	3	4	3	HEAD IN METERS	63	52	48	43	31	21	18
2	CAV8M60150043	15	4	4	3		84	67	62	52	39	27	21
3	CAV8M60200053	20	5	4	3		105	82	76	63	46	32	28
4	CAV8M60250063	25	6	4	3		126	101	98	83	65	46	31
5	CAV8M60300073	30	7	4	3		147	118	106	90	70	49	34
6	CAV8M60350083	35	8	4	3		168	132	120	100	78	53	41
7	CAV8M60400103	40	10	4	3		203	167	148	129	99	67	50
8	CAV8M60450113	45	11	4	3		225	177	160	135	106	71	54
9	CAV8M60500123	50	12	4	3		246	195	180	159	124	83	58

The above performance in this booklet may vary due to field condition, Voltage Frequency fluctuation and different pipe losses.



V8 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor



CAM-500													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
							0	600	800	1000	1200	1400	1500
1	CAV8M60150033	15	3	4	3	HEAD IN METERS	66	59	55	51	40	27	23
2	CAV8M60200043	20	4	4	3		88	76	71	60	44	32	27
3	CAV8M60250053	25	5	4	3		110	96	91	81	62	44	30
4	CAV8M60300063	30	6	4	3		132	113	104	88	68	47	33
5	CAV8M60350073	35	7	4	3		154	128	116	97	76	51	40
6	CAV8M60400083	40	8	4	3		176	151	141	123	97	66	49
7	CAV8M60450093	45	9	4	3		198	169	153	129	102	69	52
8	CAV8M60500103	50	10	4	3		220	185	175	156	122	81	57
9	CAV8M60600123	60	12	4	3		264	220	204	190	172	130	118

CAM-600													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	800	900	1000	1200	1300	1400
1	CAV8M60125033	12.5	3	4	3		57	44	43	42	38	36	33
2	CAV8M60150033	15	3	4	3		59	48	47	46	42	40	37
3	CAV8M60200043	20	4	4	3		78	64	62	60	55	52	49
4	CAV8M60250053	25	5	4	3		97	80	77	75	68	65	61
5	CAV8M60300063	30	6	4	3		117	96	93	90	82	78	74
6	CAV8M60350073	35	7	4	3		136	112	109	105	96	91	86
7	CAV8M60400083	40	8	4	3		156	128	124	120	110	105	100
8	CAV8M60450093	45	9	4	3		175	144	140	135	124	118	113
9	CAV8M60500103	50	10	4	3		195	160	156	150	138	132	124
10	CAV8M60600123	60	12	4	3		234	192	188	180	166	160	146

V8 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: Copper Rotor

CAM-800													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1200	1400	1600	1800	1900	2100
1	CAV8M60250033	25	3	4	3		68	57	53	47	39	35	26
2	CAV8M60350043	35	4	4	3		92	76	71	63	53	48	37
3	CAV8M60400053	40	5	4	3		115	95	89	79	66	59	45
4	CAV8M60500063	50	6	4	3		138	111	103	93	80	74	54
5	CAV8M60600073	60	7	4	3		161	133	125	114	96	88	70

CAM-1000													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1200	1400	1600	1800	2000	2200
1	CAV8M60200023	20	2	4	3		50	44	42	39	36	32	24
2	CAV8M60300033	30	3	4	3		75	64	60	55	50	44	34
3	CAV8M60400043	40	4	4	3		100	82	78	72	64	56	44
4	CAV8M60500053	50	5	4	3		125	107	100	92	82	70	56
5	CAV8M60600063	60	6	4	3		150	129	121	110	96	86	69



V10 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 250 mm Borewell & above

Approximate Chart at 2880 RPM, 380 - 415 VOLTS THREE PHASE, 50 HZ AC SUPPLY

MOTOR: Copper Rotor

PUMP TYPE : MIX FLOW

CAM10-600													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	800	900	1100	1300	1400	1500
1	CAV10M65520083	52	8	3	3		160	132	129	122	108	101	93
2	CAV10M65620093	62	9	3	3		180	148	144	138	122	113	104
3	CAV10M65620103	62	10	3	3		200	164	159	152	132	125	115
4	CAV10M65750123	75	12	3	3		240	196	192	180	150	152	140

CAM10-750													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	800	900	1100	1600	1700	1800
1	CAV10M65520073	52	7	3	3		140	134	131	124	93	83	74
2	CAV10M65620083	62	8	3	3		160	152	149	142	106	95	84
3	CAV10M65750093	75	9	3	3		180	170	167	159	118	106	94
4	CAV10M65750103	75	10	3	3		200	188	185	177	130	117	104
5	CAV10M65850113	85	11	3	3		220	206	203	195	142	128	114
6	CAV10M65100133	100	13	3	3		260	242	139	230	166	150	134

CAM10-800													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1200	1400	1600	1800	1900	2100
1	CAV10M65620083S	62	8	3	3		160	135	126	115	97	90	74
2	CAV10M65620093S	62	9	3	3		182	140	130	118	100	94	77
3	CAV10M65750103S	75	10	3	3		203	161	150	135	115	107	86
4	CAV10M65850113S	85	11	3	3		224	180	166	151	127	114	96
5	CAV10M65100133S	100	13	3	3		265	212	196	178	151	133	113



V10 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 250 mm Borewell & above

Approximate Chart at 2880 RPM, 380 - 415 VOLTS THREE PHASE, 50 HZ AC SUPPLY

MOTOR: Copper Rotor

PUMP TYPE : MIX FLOW

CAM10-1000

CAM10-1000													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1200	1400	1600	1800	2000	2200
1	CAV10M65620063	62	6	3	3		150	129	121	110	96	86	69
2	CAV10M65750073	75	7	3	3		175	151	141	129	114	98	80
3	CAV10M65850083	85	8	3	3		200	172	161	147	130	112	91
4	CAV10M65100103	100	10	3	3		250	215	201	183	162	140	113
5	CAV10M65125123	125	12	3	3		300	258	241	219	194	168	135

CAM10-1400

CAM10-1400													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1400	1600	1900	2200	2500	2800
1	CAV10M65620043	62	4	3	3		112	101	98	90	80	69	52
2	CAV10M65750053	75	5	3	3		140	125	120	110	100	85	65
3	CAV10M65850063	85	6	3	3		168	150	144	132	120	102	78
4	CAV10M65100073	100	7	3	3		196	175	168	154	140	119	91
5	CAV10M65125093	125	9	3	3		252	225	216	198	180	153	117

CAM10-2000

CAM10-2000													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1600	2100	2300	3000	3300	3600
1	CAV10M65620033	62	3	3	3		82	69	64	61	54	49	45
2	CAV10M65850043	85	4	3	3		110	92	85	81	72	65	60
3	CAV10M65100053	100	5	3	3		138	115	106	101	90	81	75
4	CAV10M65125063	125	6	3	3		165	138	127	121	108	97	90



V10 THREE PHASE SUBMERSIBLE PUMP SETS - WATER FILLED

Suitable for 250 mm Borewell & above

Approximate Chart at 2880 RPM, 380 - 415 VOLTS THREE PHASE, 50 HZ AC SUPPLY

MOTOR: Copper Rotor

PUMP TYPE : MIX FLOW

CAM10-2500													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	1800	2200	2400	3000	3400	3800
1	CAV10M65520023	52	2	3	3		60	53	50	47	43	37	32
2	CAV10M65750033	75	3	3	3		90	79	75	71	65	55	48
3	CAV10M65100043	100	4	3	3		120	106	100	94	86	73	64
4	CAV10M65125053	125	5	3	3		150	131	125	119	109	91	79

CAM10-5200													
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM							
						HEAD IN METERS	0	2400	3000	3400	3900	4500	4900
1	CAV10M65520013	52	1	3	3		55	42	39	36	32	27	23
2	CAV10M65850023	85	2	3	3		110	81	76	70	63	57	46
3	CAV10M65125033	125	3	3	3		165	122	114	105	95	80	69



V6 to V8 MIXED FLOW Q SERIES (C.I. BOWL SS 410 IMPELLER)

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380 - 415 VOLTS THREE PHASE, 50 HZ AC SUPPLY

MAXIMUM OD OF MOTOR - 142MM AND PUMP OD - 175MM

WF8MF25															
SUBMERSIBLE V6 TO V8 MIXED FLOW															
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	510	690	930	1050	1150	1270	1450	1630
1	CAV6V8M05023	5	2	4	3		32	26	24	20	18	16	12	8	4
2	CAV6V8M07533	7.5	3	4	3		48	39	36	30	27	24	18	12	6
3	CAV6V8M10043	10	4	4	3		64	52	48	40	36	32	24	16	8
4	CAV6V8M12553	12.5	5	4	3		80	65	60	50	45	40	30	20	10
5	CAV6V8M15063	15	6	4	3		96	78	72	60	54	48	36	24	12
6	CAV6V8M17573	17.5	7	4	3		112	91	84	70	63	56	42	28	14
7	CAV6V8M20083	20	8	4	3		144	104	96	80	72	64	48	32	16

WF8MF30															
SUBMERSIBLE V6 TO V8 MIXED FLOW															
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	480	650	840	1120	1300	1450	1625	1750
1	CAV6V8M06023	6	2	4	3		35	30	28	26	22	18	14	10	6
2	CAV6V8M10033	10	3	4	3		52	45	42	39	33	27	21	15	9
3	CAV6V8M12543	12.5	4	4	3		70	60	56	52	44	36	28	20	12
4	CAV6V8M15053	15	5	4	3		87	75	70	65	55	45	35	25	15
5	CAV6V8M17563	17.5	6	4	3		104	90	84	78	66	54	42	30	18
6	CAV6V8M20073	20	7	4	3		122	105	98	91	77	63	49	35	21
7	CAV6V8M25083	25	8	4	3		139	120	112	104	88	72	56	40	24



V6 to V8 MIXED FLOW Q SERIES (C.I. BOWL SS 410 IMPELLER)

Suitable for 200 mm Borewell & above

Approximate Chart at 2880 RPM, 380 - 415 VOLTS THREE PHASE, 50 HZ AC SUPPLY

MAXIMUM OD OF MOTOR - 142MM AND PUMP OD - 175MM



WF8MF35															
SUBMERSIBLE V6 TO V8 MIXED FLOW															
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	420	780	1080	1270	1470	1590	1700	1830
1	CAV6V8M07523	7.5	2	4	3		38	34	30	26	22	18	14	10	6
2	CAV6V8M12533	12.5	3	4	3		57	51	45	39	33	27	21	15	9
3	CAV6V8M15043	15	4	4	3		76	68	60	52	44	36	28	20	12
4	CAV6V8M17553	17.5	5	4	3		95	85	75	65	55	45	35	25	15
5	CAV6V8M20063	20	6	4	3		114	102	90	78	66	54	42	30	18
6	CAV6V8M25073	25	7	4	3		133	119	105	91	77	63	49	35	21

WF8MF50															
SUBMERSIBLE V6 TO V8 MIXED FLOW															
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	360	570	870	1140	1320	1470	1590	*
1	CAV6V8M10023	10	2	4	3		45	42	37	33	30	27	25	22	*
2	CAV6V8M15033	15	3	4	3		68	63	56	50	45	41	38	33	*
3	CAV6V8M20043	20	4	4	3		90	84	74	66	60	54	50	44	*
4	CAV6V8M25053	25	5	4	3		113	105	93	83	75	68	63	55	*

WF8MF60															
SUBMERSIBLE V6 TO V8 MIXED FLOW															
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	550	750	950	1150	1300	1350	1400	1550
1	CAV6V8M12523	12.5	2	4	3		46	42	40	36	32	30	26	24	20
2	CAV6V8M17533	17.5	3	4	3		69	63	60	54	48	45	39	36	30
3	CAV6V8M25043	25	4	4	3		92	84	80	72	64	60	52	48	40

WF8MF70															
SUBMERSIBEL V6 TO V8 MIXED FLOW															
sl no	Model Number	HP	Stage	Out let in inch	phase	DISCHARGE IN LPM									
						HEAD IN METERS	0	650	850	1050	1250	1400	1450	1500	1700
1	CAV6V8M15023	15	2	4	3		44	42	40	36	32	30	26	24	20
2	CAV6V8M20033	20	3	4	3		66	63	60	54	48	45	39	36	30

VERTICAL OPENWELL K & Q TYPE - WATER FILLED
(CI BOWL, SS 410 IMPELLER)

VERTICAL OPENWELL K & Q TYPE - WATER FILLED
(CI BOWL, SS 410 IMPELLER)



PRICES ARE GIVEN IN THIS PRICE LIST ARE SUBJECTED
TO CHANGE WITHOUT NOTICE

VERTICAL OPENWELL K TYPE - WATER FILLED (CI BOWL, SS 410 IMPELLER)

Approximate Chart at 2880 RPM, 380-415 VOLTS THREE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: RADIAL FLOW

VMPS 20																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	200	250	300	360	410	450	510	580
1	CAVORFCI05003	5	3	2	50	3		62	57	55	52	48	44	38	32	22
2	CAVORFCI07504	7.5	4	2	50	3		82	76	72	69	63	58	51	42	29
3	CAVORFCI10005	10	5	2	50	3		103	95	91	87	80	73	64	53	37
4	CAVORFCI12506	12.5	6	2	50	3		144	133	128	121	112	102	89	74	51

VMPS 25																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	230	290	350	420	520	600	670	750
1	CAVORFCI05002	5	2	2.5	65	3		45	43	41	39	36	33	30	26	19
2	CAVORFCI07503	7.5	3	2.5	65	3		68	64	61	58	54	50	44	38	28
3	CAVORFCI10004	10	4	2.5	65	3		85	82	80	77	73	66	59	51	37
4	CAVORFCI12505	12.5	5	2.5	65	3		112	107	102	97	90	83	73	63	47
5	CAVORFCI15006	15	6	2.5	65	3		134	128	122	116	108	100	88	76	56
6	CAVORFCI17507	17.5	7	2.5	65	3		157	147	143	136	126	116	102	88	66

VMPS 35																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	300	450	480	550	650	700	760	820
1	CAVORFCI07502	7.5	2	2.5	65	3		45	42	41	40	37	34	29	24	21
2	CAVORFCI10003	10	3	2.5	65	3		67	63	62	60	56	51	44	36	32
3	CAVORFCI12504	12.5	4	2.5	65	3		90	84	82	80	74	68	59	48	42
4	CAVORFCI15005	15	5	2.5	65	3		112	105	103	100	93	85	73	60	53
5	CAVORFCI17506	17.5	6	2.5	65	3		134	126	124	120	112	102	88	72	64
6	CAVORFCI20007	20	7	2.5	65	3		156	147	144	140	130	119	102	84	74



VERTICAL OPENWELL K TYPE - WATER FILLED (CI BOWL, SS 410 IMPELLER)

Approximate Chart at 2880 RPM, 380-415 VOLTS THREE PHASE,
50 HZ AC SUPPLY

MOTOR : COPPER ROTOR

PUMP TYPE: VERTICAL OPEN WELL Q TYPE

VMQ 25																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	740	850	970	1060	1120	1220	1350	1420
1	CAVOPMFCI07503	7.5	3	4	100	3		48	39	36	32	29	26	23	18	15
2	CAVOPMFCI10004	10	4	4	100	3		64	48	42	38	34	34	30	24	20
3	CAVOPMFCI12505	12.5	5	4	100	3		80	60	53	48	43	43	38	30	25
4	CAVOPMFCI15006	15	6	4	100	3		93	72	63	57	51	51	45	36	30

VMQ 30																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	840	980	1100	1230	1310	1370	1500	1600
1	CAVOPMFCI06002	6	2	4	100	3		34	27	26	23	20	18	16	13	10
2	CAVOPMFCI10003	10	3	4	100	3		53	41	39	35	30	27	24	20	15
3	CAVOPMFCI12504	12.5	4	4	100	3		66	54	52	44	40	36	32	26	20
4	CAVOPMFCI15005	15	5	4	100	3		78	68	65	55	50	45	40	33	25

VMQ 40																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	920	1050	1150	1240	1320	1450	1600	1750
1	CAVOPMFCI07502	7.5	2	4	100	3		44	38	33	31	28	24	22	16	10
2	CAVOPMFCI12503	12.5	3	4	100	3		66	54	50	47	42	36	33	24	15
3	CAVOPMFCI15004	15	4	4	100	3		85	68	66	62	56	48	44	32	20
4	CAVOPMFCI20005	20	5	4	100	3		105	85	83	78	70	60	55	40	25

VMQ 50																
sl no	Model Number	HP	Stage	Out let in inch	Out let in mm	phase	DISCHARGE IN LPM									
							HEAD IN METERS	0	1060	1200	1250	1400	1520	1730	1800	2180
1	CAVOPMFCI10002	10	2	4	100	3		46	40	34	32	29	26	24	17	13
2	CAVOPMFCI15003	15	3	4	100	3		68	55	51	48	44	39	35	26	20
3	CAVOPMFCI20004	20	4	4	100	3		86	70	68	64	58	52	47	34	26



C.I./S.S. BODY OPENWELL PUMP SETS - WATER FILLED
CENTRIFUGAL MONOBLOCK PUMPSETS
SELF PRIMING MONOBLOCK PUMPSETS

C.I./S.S. BODY OPENWELL PUMP SETS - WATER FILLED
CENTRIFUGAL MONOBLOCK PUMPSETS
SELF PRIMING MONOBLOCK PUMPSETS



PRICES ARE GIVEN IN THIS PRICE LIST ARE SUBJECTED
TO CHANGE WITHOUT NOTICE

C.I./S.S. BODY OPENWELL PUMP SETS - WATER FILLED

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply
MOTOR: induction motor

MINI OPENWELL PUMP SET													
sl no	Model Number	HP	Out let in mm	phase	HEAD IN METERS								
					DISCHARGE IN LPH	10	15	20	25	27	30	32	34
1	CAOP052525	0.5	25 X 25	1		7000	5800	4000	2500	*	*	*	*
2	CAOP053225	0.5	32 X 25	1		11000	7500	4500	4000	3600	2000	1000	*
3	CAOP102525	1	25 X 25	1		9600	8000	6000	3600	2000	1000	*	*
4	CAOP103225	1	32 X 25	1		12000	8500	7000	6000	4500	3600	2000	1000



cute model open well																	
sl no	Model Number	HP	Out let in inch	Out let in mm	phase	HEAD IN METERS											
						DISCHARGE IN LPM	12	14	16	18	20	22	24	26	28	30	32
1	CAOPM0204040	2	1.5 X 1.5	40 X 40	1/3		140	120	110	105	100	95	90	85	80	75	70
2	CAOPM0206550	2	2.5 X 2	65 X 50	1/3		600	550	525	478	420	370	310	245	150	*	*
3	CAOPM0205050	2	2 X 2	50 X 50	1/3		310	280	260	240	210	180	140	*	*	*	*
4	CAOPM0306550	3	2.5 X 2	65 X 50	1/3		800	750	700	650	625	550	460	350	280	100	*
5	CAOPM0506550	5	2.5 X 2	65 X 50	3		930	850	810	760	720	650	600	530	420	300	200



cute model open well																	
sl no	Model Number	HP	Out let in inch	Out let in mm	phase	HEAD IN METERS											
						LPM	14	18	22	26	30	34	38	42	46	50	52
1	CAOPM7507575	7.5	3 x 3	75 x 75	3		1520	1430	1290	1100	930	580	*	*	*	*	*
2	CAOPM7506565	7.5	2.5 x 2.5	65 X 65	3		1300	1150	1110	1000	880	680	350	*	*	*	*
3	CAOPM7506550	7.5	2.5 x 2	65 X 50	3		*	1020	930	880	850	800	760	650	490	350	200



*PLEASE SPECIFY WHILE GIVING THE ORDER BODY TYPE : S.S. OR C.I.

C.I./S.S. BODY OPENWELL PUMP SETS - WATER FILLED

Approximate Chart at 2880 RPM, 380-415 Volts Three Phase, 50Hz, A.C. Supply

MOTOR: induction motor

jumbo model open well																	
sl no	Model Number	HP	Out let in inch	Out let in mm	phase	HEAD IN METERS											
						LPM	14	18	22	26	30	34	38	42	46	50	52
1	CAOPJ0306565	3	2.5 x 2.5	65 x 65	1/3		900	790	630	330	*	*	*	*	*	*	*
2	CAOPJ0306550	3	2.5 x 2	65 x 50	1/3		840	750	620	550	420	*	*	*	*	*	*
3	CAOPJ0506565	5	2.5 x 2.5	65 X 65	3		1100	980	880	730	450	*	*	*	*	*	*
4	CAOPJ0506550	5	2.5 x 2	65 X 50	3		850	810	780	720	590	480	350	200	*	*	*
5	CAOPJ7507575	7.5	3 x 3	75 x 75	3		1520	1430	1290	1100	930	580	*	*	*	*	*
6	CAOPJ7506565	7.5	2.5 x 2.5	65 X 65	3		1300	1150	1110	1000	880	680	350	*	*	*	*
7	CAOPJ7506550	7.5	2.5 x 2	65 X 50	3		*	1020	930	880	850	800	760	650	490	350	200



jumbo model open well																	
sl no	Model Number	HP	Out let in inch	Out let in mm	phase	HEAD IN METERS											
						LPM	20	25	30	34	38	42	48	52	56	60	64
1	CAOPJ1007575	10	3 x 3	75 x 75	3		1800	1600	1300	900	*	*	*	*	*	*	*
2	CAOPJ1006565	10	2.5 x 2.5	65 X 65	3		1400	1250	1150	1000	910	630	400	*	*	*	*
3	CAOPJ1006550	10	2.5 x 2	65 X 50	3		*	*	1080	1000	900	800	600	450	200	*	*
4	CAOPJ1257575	12.5	3 x 3	75 x 75	3		1950	1800	1650	1440	1050	*	*	*	*	*	*
5	CAOPJ1256565	12.5	2.5 x 2.5	65 X 65	3		1650	1450	1300	1200	1100	880	570	*	*	*	*
6	CAOPJ1256550	12.5	2.5 x 2	65 X 50	3		*	*	*	1150	1000	900	780	680	480	300	*
7	CAOPJ1507575	15	3 x 3	75 x 75	3		2050	1950	1750	1630	1400	1000	600	*	*	*	*
8	CAOPJ1506565	15	2.5 x 2.5	65 X 65	3		*	*	*	1520	1350	1230	1000	900	800	600	500

*PLEASE SPECIFY WHILE GIVING THE ORDER BODY TYPE : S.S. OR C.I.

CENTRIFUGAL MONOBLOCK PUMPSET

Approximate Chart at 2880 RPM, 220 Volts SINGLE Phase, 50Hz, A.C. Supply

MOTOR: induction motor



CENTRIFUGAL MONOBLOCK PUMPSET

CENTRIFUGAL MONOBLOCK PUMPSET																					
SL NO	Model Number	HP	Out let in inch	Out let in mm	phase	HEAD IN METERS															
						DISCHARGE IN LPM	6	8	10	12	14	16	18	20	22	24	26	28	30	32	
1	CACMB0052525	0.5	1 X 1	25 X 25	1		*	115	106	90	70	*	*	*	*	*	*	*	*	*	*
2	CACMB0052525HH	0.5	1 X 1	25 X 25	1		185	171	159	145	128	107	89	64	34	*	*	*	*	*	*
3	CACMB0054040	0.5	1.5 X 1.5	40 X 40	1		210	166	124	78	*	*	*	*	*	*	*	*	*	*	*
4	CACMB0054040HH	0.5	1.5 X 1.5	40 X 40	1		275	239	200	155	*	*	*	*	*	*	*	*	*	*	*
5	CACMB0102525	1	1 X 1	25 X 25	1		*	*	*	*	98	94	93	91	87	82	75	60	50	40	30
6	CACMB0103225	1	1.25 X 1	32 X 25	1		168	164	156	148	141	131	122	112	101	88	71	60	*	*	*
7	CACMB0104040	1	1.5 X 1.5	40 X 40	1		261	251	235	224	150	100	70	*	*	*	*	*	*	*	*
8	CACMB0105050	1	2 X 2	50 X 50	1		438	390	312	225	*	*	*	*	*	*	*	*	*	*	*
9	CACMB0108080	1	3 X 3	80 X 80	1		801	640	403	*	*	*	*	*	*	*	*	*	*	*	*
10	CACMB0154040HH	1.5	1.5 X 1.5	40 X 40	1		*	*	*	*	196	189	184	178	167	150	120	95	*	*	*
11	CACMB0154040	1.5	1.5 X 1.5	40 X 40	1		320	316	308	290	275	250	180	160	90	*	*	*	*	*	*
12	CACMB0155040	1.5	2 X 1.5	50 X 40	1		380	350	340	335	240	150	*	*	*	*	*	*	*	*	*
13	CACMB0155050	1.5	2 X 2	50 X 50	1		380	350	340	335	240	150	*	*	*	*	*	*	*	*	*
14	CACMB0156550	1.5	2.5 X 2	65 X 50	1		460	428	398	342	*	*	*	*	*	*	*	*	*	*	*
15	CACMB0158080	1.5	3 X 3	80 X 80	1	646	579	470	289	*	*	*	*	*	*	*	*	*	*	*	

CENTRIFUGAL MONOBLOCK PUMPSET

Approximate Chart at 2880 RPM, 220 Volts SINGLE Phase, 50Hz, A.C. Supply

MOTOR: induction motor



CENTRIFUGAL MONOBLOCK PUMPSET																				
SL. No.	Model Number	HP	Out let in inch	Out let in mm	phase	HEAD IN METERS														
						DISCHARGE IN LPM	6	8	10	12	14	16	18	20	22	24	26	28	30	32
1	CACMB0205040	2	2 X 1.5	50 X 40	1		*	*	*	380	370	360	340	330	300	280	250	210	*	*
2	CACMB0205050HH	2	2 X 2	50 X 50	1		*	*	*	380	300	290	285	240	210	180	*	*	*	*
3	CACMB0205050	2	2 X 2	50 X50	1		440	415	381	349	311	277	254	172	*	*	*	*	*	*
4	CACMB0206550	2	2.5 X 2	65 X 50	1		607	564	508	450	379	274	*	*	*	*	*	*	*	*
5	CACMB0208065	2	3 X 2.5	80 X 65	1		880	790	550	420	*	*	*	*	*	*	*	*	*	*
6	CACMB0208080	2	3 X 3	80 X80	1		760	680	600	520	*	*	*	*	*	*	*	*	*	*
7	CACMB020100100	2	4 X 4	100 X 100	1		1200	965	600		*	*	*	*	*	*	*	*	*	*
8	CACMB0306550	3	2.5 X 2	65 X 50	1		728	694	648	612	567	511	449	379	301		*	*	*	*
9	CACMB0308065	3	3 X 2.5	80 X 65	1		*	*	766	741	691	633	566	491	391	250	*	*	*	*
10	CACMB0308080	3	3 X 3	80 X 80	1		1100	1050	750	650	600	*	390	*	*	*	*	*	*	*
11	CACMB030100100	3	4 X 4	100 X 100	1	1190	1100	870	612	360	*	*	*	*	*	*	*	*	*	

ALL ABOVE MODELS ARE ALSO AVAILABLE IN DP AND TP.

SELF PRIMING MONOBLOCK PUMPSET

Approximate Chart at 2880 RPM, 220 Volts SINGLE Phase, 50Hz, A.C. Supply

MOTOR: induction motor

SL. No.	Model	Kw	HP	Pipe Size (mm)	DISCHARGE IN LPH	TOTAL HEAD IN METERS								
						6	12	18	24	28	30	36	42	54
1	TURBO50	0.37	0.5	25X25	DISCHARGE IN LPH	2400	1975	1565	1050	600	*	*	*	*
2	HILFLOW50	0.37	0.5	25X25		2664	2106	1780	1504	1150	1042	600	*	*
3	TURBO100	0.75	1.0	25X25		3060	2682	2232	2060	1785	1584	1354	900	
4	HIFLOW100	0.75	1.0	25X25		3200	2910	2640	2310	2050	1920	1520	1020	468
5	TUBROSUV50	0.37	0.5	25X25		2628	2232	1656	1080	864	576	*	*	*



SELF PRIMING MONOSET PUMP SET															
sl no	Model Number	HP	Out let in mm	phase	HEAD IN METERS										
					LPH	6	9	12	15	18	21	24	30	33	36
						1520	1230	1075	1000	930	780	630	*	*	*
1	CASPM051212	0.5	12 X 12	1											
2	CASPM051212 HH	0.5	12 X 12	1		1600	1260	1100	1020	980	820	665	*	*	*



SHALLOW WELL SELF PRIMING CENTRIFUGAL JET PUMPSET															
sl no	Model Number	HP	Out let in mm	phase	HEAD IN METERS										
					LPH	6	9	12	15	18	21	24	30	33	36
1	CASPSWS052525	0.5	25 X 25	1		3600	3480	3360	3180	2880	2460	1920	600	*	*
2	CASPSWS052525	1	25 X 25	1		*	*	*	*	*	3060	3000	2160	1560	900



CABLE SELECTION TABLE

SUBMERSIBLE PUMPSET 415-THREE PHASE-50Hz

LENGTH IN METERS	H.P.																
	1.5	2	3	4	5	6	7.5λ	7.5Δ	10	12.5	15	17.5	20	25	30	40	50
10	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	4	4	4	6	10	16
20	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	4	4	4	6	10	16
30	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	4	4	4	6	10	16
40	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	4	4	4	6	10	16
50	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	4	4	4	6	10	16
60	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	4	4	4	6	10	16
70	1.5	1.5	1.5	1.5	1.5	2.5	2.5	1.5	2.5	2.5	2.5	4	4	4	6	10	16
80	1.5	1.5	1.5	1.5	1.5	2.5	2.5	1.5	2.5	2.5	4	4	4	4	6	10	16
90	1.5	1.5	1.5	1.5	2.5	2.5	4	1.5	2.5	2.5	4	4	4	4	6	10	16
100	1.5	1.5	1.5	1.5	2.5	2.5	4	1.5	2.5	2.5	4	4	6	6	6	10	16
120	1.5	1.5	1.5	2.5	2.5	2.5	4	2.5	2.5	2.5	4	6	6	6	10	10	16
140	1.5	1.5	1.5	2.5	2.5	4	4	2.5	4	4	6	6	10	10	10	16	16
160	1.5	1.5	2.5	2.5	4	4	4	2.5	4	4	6	6	10	10	10	16	16
180	1.5	2.5	2.5	4	4	4	6	4	4	4	6	10	10	10	10	16	25
200	1.5	2.5	2.5	4	4	6	6	4	6	6	10	10	10	16	16	25	25
250	1.5	2.5	4	4	6	6	10	4	6	6	10	10	16	16	16	25	35
300	2.5	2.5	4	6	6	10	10	6	10	10	10	16	16	16	25	25	35

NOTE 1- 1.5 H.p to 7.5 D.O.L. () and above are STAR/DELTA Motors.

2- For STAR DELTA Starting reduce current by 1/3 for selecting suitable cable.

Conversion table : 1meter = 3.28 ft, 1 ft = 0.305 mm

The above performance in this booklet may vary due to field condition, Voltage Frequency fluctuation and different pipe losses.

SUBMERSIBLE PUMPSET 220 V -SINGLE PHASE-50Hz

LENGTH IN METERS	H.P.						
	0.5	1	1.5	2	3	4	5
10	1.5	1.5	1.5	1.5	1.5	1.5	2.5
20	1.5	1.5	1.5	1.5	1.5	2.5	2.5
30	1.5	1.5	1.5	2.5	2.5	2.5	4
40	1.5	1.5	2.5	2.5	2.5	4	4
50	1.5	1.5	2.5	4	4	4	6
60	1.5	1.5	2.5	4	4	6	6
70	1.5	2.5	4	6	6	6	10
80	1.5	2.5	4	6	6	10	10
90	1.5	2.5	6	10	10	10	10
100	1.5	2.5	6	10	10	10	10
120	2.5	4	6	10	10	10	16
140	2.5	4	10	10	10	16	16
160	2.5	4	10	16	16	16	16
180	4	6	10	16	16	16	25
200	4	6	10	16	16	16	25
250	4	6	16	16	16	25	25

For other Voltages the cable size is to be calculated as follows :

is Calculated length = (415 + volt) X actual length

Example : For a 20 HP motor at 350 volts and 90 meters actual cable length

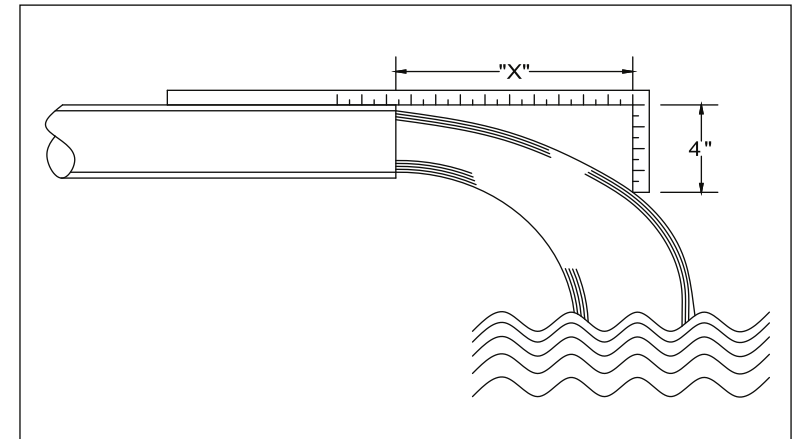
Calculation = (415 + 350) x 90 = 107 m.

The size of the cable to be selected for 107 m. from the chart is 6 mm²

Discharge Rate Chart

Discharge Rate Chart

Horizontal Dist. "X" in Inch	Nominal Pipe Diameter "D"								
	1"	1.25"1	.5"2	"2	.5"3	"4	"5	"6	"
	Discharge Rate "QW" in LPM								
42	64	46	0	100	141	222	377	590	863
53	25	57	5	127	177	277	472	749	1090
63	96	79	1	150	213	331	567	885	1294
74	57	8	105	177	250	386	663	1044	1521
85	18	9	120	200	281	445	754	1180	1725
95	8	100	135	227	318	499	849	1339	1952
10	64	111	151	250	354	554	944	1475	2156
11	71	118	166	277	390	608	1040	1634	2383
12	77	132	177	300	427	667	1135	1771	2588
13	84	143	195	327	459	722	1226	1930	2815
14	91	154	211	350	495	776	1321	20423	3019
15	97	165	225	377	531	831	1416	2225	3223
16	103	177	240	400	567	890	1512	2361	3450
17	109	188	256	427	604	944	1603	2520	3670
18	116	198	271	449	636	999	1698	2679	3882
19	123	210	286	477	672	1053	1793	2815	4109
20	129	221	301	504	705	1108	1889	2951	4313
21	135	232	316	527	745	1162	1984	3110	4540
22	142	243	331	554	781	1221	2075	3269	4767
3	145	254	345	577	813	1276	2170	3405	4971
24	155	265	360	604	849	1330	2265	3541	5175
25	161	276	375	627	885	1389	2361	3700	5402
26	167	287	390	654	922	144	2456	3836	5807
27	174	298	405	676	958	1498	2547	3995	5834
28	181	309	421	704	990	1553	2642		
29	187	320	436	726	1026	1607	2738		
30	193	331	451	754	1062	1666	2833		
31			468	776	1099	1721			
32			481	804	1135	1775			
33			495	826	1167	1830			
34			513	854	1203	1884			
35			527	881	1239	1943			
36			540	903	1276	1998			



Note:

"X" : Horizontal distance in Inch

"D" : Nomnal pipe Diameter in nch

"Q" : Discharge in LPM.

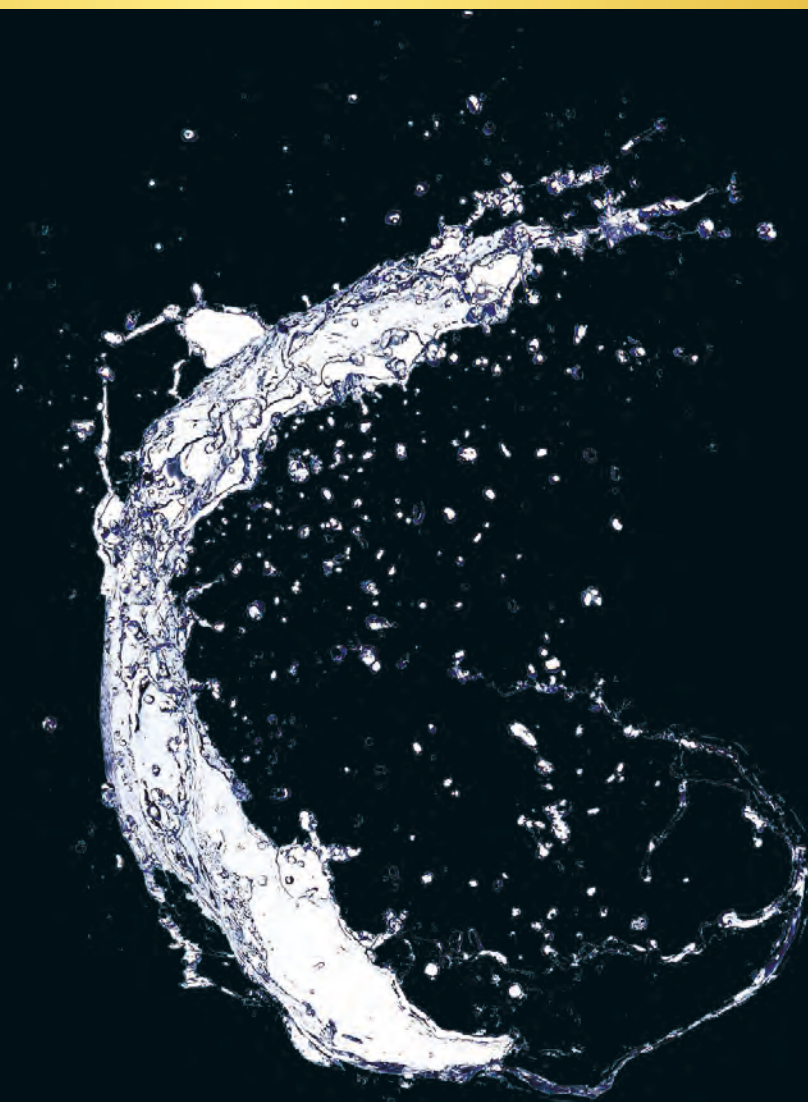
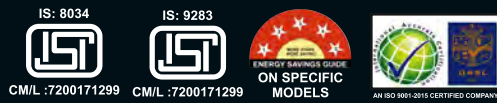
Friction loss Chart

Friction Loss Chart

Friction Loss chart														
Table of Head Losses														
Head Loss in Ordinary Water Pipes.														
Quantity of waterH			ad Loss in Ordinary Watr Pipes											
m3/h	LPM	lps	Nominal Pipe Dametr in Inch and Intrnal Diameter in mm											
			0.5"	0.75"1	"1	.25"	1.5"	2"	2.5"	3"	3.5"	4"	5"	6"
			15.752	1.25	27.003	5.75	41.255	2.50	68.008	0.25	92.501	05.001	30.001	55.50
0.61	00	.169	.910	2.4070	.784									
0.91	50	.252	0.1104	.882	1.5700	.416								
1.22	00	.333	3.5308	.035	2.5880	.677	0.346							
1.52	50	.424	9.9301	1.9103	.834	1.0040	.510							
1.83	00	.5	69.340	16.500	5.2771	.379	0.7000	.223						
2.13	50	.589	1.5402	1.7506	.949	1.8110	.914	0.291						
2.44	00	.672		7.6608	.820	2.2901	.160	0.368						
35	00	.834		1.4001	3.1403	.403	1.7190	.544	0.159					
3.68	01			57.740	18.280	4.7182	.375	0.7510	.218					
4.27	01	.127		6.4902	2.5806	.231	3.1320	.988	0.2870	.131				
4.88	01	.333			0.8707	.940	3.9881	.254	0.3630	.164				
5.49	01	.5			38.300	9.8284	.927	1.5510	.449	0.203				
61	00	1.67			46.490	11.900	5.9721	.875	0.5420	.244	0.124			
751	25	2.08			70.410	17.930	8.9672	.302	0.8090	.365	0.1850	.101		
91	50	2.52				5.1101	2.5303	.903	1.1240	.506	0.2560	.140		
10.5	1752	.923				3.3201	6.6605	.179	1.4880	.670	0.3380	.184		
12	2003	.334				2.7502	1.3606	.624	1.9010	.855	0.4310	.234	0.084	
15	2504	.176				4.880	32.320	10.300	2.880	1.2820	.646	0.3500	.126	
18	3005						45.520	14.040	4.0091	.792	0.9030	.488	0.1750	.074
24	4006	.677					8.1702	4.0406	.828	3.0531	.530	0.8290	.294	0.124
30	5008	.333						6.7101	0.4004	.622	2.3151	.254	0.4450	.187
36	6001	.05						1.8401	4.6206	.505	3.2611	.757	0.6230	.280
42	7001	1.71							9.5208	.693	4.3592	.345	0.8310	.347
48	8001	3.32							5.2901	1.1805	.582	3.0091	.066	0.445
54	9001	.53							1.510	13.970	6.9833	.762	1.3280	.555
60	1000	16.7							38.430	17.080	8.5214	.595	1.6160	.674
75	1250	20.8								26.100	13.000	7.0102	.458	1.027
90	1500	25								36.970	18.420	9.8923	.468	1.444
1051	7502	9.2									24.760	13.300	4.6651	.934
1202	000	33.3									31.940	17.160	5.9952	.496
1502	5004	1.7										26.260	9.2163	.807
1803	000	.50											13.060	5.417
2404	000	66.7											22.720	8.926
3005	000	83.3												14.420
90 deg Bends, slide valve.			1.01	.0	1.11	.2	1.31	.4	1.51	.6	1.61	.7	2.02	.5
T Piecs, Non Return valve.			4.04	.0	4.05	.0	5.05	.0	6.06	.0	6.07	.0	8.09	.0

The Table is Calculated in accordance with H. Lang's new Formula $a=2.0$ and for a Water Temperature i.e. 10 deg Celcius.

The Head Loss in Bends, Slide Valves, T-Piece and non-return Valve is equivalent to meter sof Straight pips stated in the last two line of the table.



CALAMA AQUA ENGINEERING PVT. LTD.

384/2 , PITRUCHHAYA , NR G. D. BUS STAND, NARODA ROAD,
SAIJPUR BOGHA, AHMEDABAD-382345, GUJARAT. INDIA.

Phone : +91-79-22803744, Mobile : 99641 42765

E-mail : calamapumps2019@gmail.com, Web: www.calamapumps.in

