NEXORIS
GROUP



Engineering Solutions
That Keep Water Moving

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NEXORIS GROUP

ABOUT US

Combining Engineering, Quality & Industry Expertise.



Nexoris Group is a multi-product company offering a range of pumping, motor and water-management solutions for diverse application requirements.
Our portfolio includes submersible motors, stainless steel submersible pumps, monoblock pumpsets, openwell submersible pumpsets and three-phase AC induction motors.

Our approach is centered on providing dependable products with a focus on quality, performance and practical application needs. Alongside our domestic market, Nexoris Group has an international outlook, with products reaching markets across Asia, Africa and the Middle East.

OUR STRENGTHS

- QUALITY PRODUCTS
- ADVANCED MANUFACTURING
- WIDE PRODUCT RANGE
- GLOBAL PRESENCE
- CUSTOMER FOCUSED
- RELIABLE PERFORMANCE

OUR PRODUCT RANGE











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V3 Submersible Pumpset

(68 MM & 74 MM)



NEXORIS V3 Submersible Pumpset is designed for reliable performance and long service life with water filled motors. Available in both outer diameter of 68mm & 74mm. It is suitable for domestic, agricultural and industrial water supply applications with high efficiency and consistent performance.

SALIENT FEATURES

1. Fully stainless steel stator tube.
2. All the diffusers and impellers are glass filled engineer polymer with stainless steel wear rings.
3. Rotor supply with Epoxy paint for long life and corrosion free.
4. Dynamically balance rotor which give noise less & vibration free operation.
5. Light weight & Easy to operate in wide voltage band.
6. All parts machined on CNC to set consistent Quality performance.
7. Rotor are grinded & burnished to give better surface finish value which ensure long life.
8. Can be installed with HDPE/ uPVC Pipes.
9. Start Easily at low voltage.
10. All hardware are stainless steel.
11. All rubber parts are which NBR.

APPLICATION

1. Domestic water supply- Apartment, Building & Hotel
2. Fountains, Canals & Rivers.
3. Solar Application
4. Domestics water supply.
5. Fire Fighting System.
6. Unshaped and crossed borewell.
7. Replace of hand pump.

MATERIAL OF CONSTRUCTION

MOTOR

Motor Shaft	:	Stainless Steel AISI 410
Casting Part	:	CI FG 200
Thrust Bearing	:	Tilting pad self alignment carbon 5/5
Winding Wire	:	Multi layer polyester insulated
Copper	:	E.C. grade (99.9%)

PUMP

Bowl & Impeller	:	Glass filled engineered polymer.
Suction & NRV	:	CI FG 200 grade.
Pump Shaft	:	Stainless Steel AISI 410
Pump Casing	:	Stainless Steel
All Hardware	:	Stainless Steel AISI 304

TECHNICAL SPECIFICATION

Head Range	:	6 To 109 Meter.
Discharge Range	:	10 to 90 LPM.
Motor Rating	:	0.5HP to 1.5HP, 220V, 50Hz, AC Supply
Voltage Range	:	140V to 240V

NEXORIS GROUP

V3 (75MM) 3" SUBMERSIBLE PUMPSETS

35 LPM MAX.O.D : 68 MM. — **OUTLET SIZE : 25 MM 2900 RPM**

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		CM	kW	M³/hr	0.6	1.2	1.8	2.1	2.4	3.0	3.6
				LPM	10	20	30	35	40	50	60
CMR3/35/8	8	0.5	0.37	TOTAL HEAD IN METERS	30	27	24	24	20	16	11
CMR3/35/12	12	0.75	0.55		45	41	36	36	30	24	17
CMR3/35/16	16	1.0	0.75		60	54	48	48	40	32	22
CMR3/35/20	20	1.25	0.93		75	68	60	60	50	40	28
CMR3/35/24	24	1.5	1.1		90	82	72	66	60	48	34

40 LPM MAX.O.D : 68 MM. — **OUTLET SIZE : 25 MM 2900 RPM**

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		CM	kW	M³/hr	0.6	1.2	1.8	2.4	3.0	3.6	4.2
				LPM	10	20	30	40	50	60	70
CMR3/4/7	7	0.5	0.37	TOTAL HEAD IN METERS	26	25	23	21	19	15	11
CMR3/4/10	10	0.75	0.55		37	35	33	30	27	22	16
CMR3/4/12	12	1.0	0.75		44	42	40	36	32	26	19
CMR3/4/15	15	1.25	0.93		56	53	50	45	40	33	24
CMR3/4/20	20	1.5	1.1		74	70	66	60	53	44	32

50 LPM MAX.O.D : 68 MM. — **OUTLET SIZE : 25 MM 2900 RPM**

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		CM	kW	M³/hr	1.2	1.8	2.4	3.0	3.6	4.2	4.8
				LPM	20	30	40	50	60	70	80
CMR3/5/6	6	0.5	0.37	TOTAL HEAD IN METERS	22	21	20	18	16	13	10
CMR3/5/8	8	0.75	0.55		30	28	26	24	21	18	14
CMR3/5/10	10	1.0	0.75		37	35	33	30	27	22	17
CMR3/5/12	12	1.25	0.93		44	42	40	36	32	26	20
CMR3/5/15	15	1.5	1.1		56	53	50	45	40	33	26

40 LPM MAX.O.D : 74 MM. — **OUTLET SIZE : 25 MM 2900 RPM**

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		CM	kW	M³/hr	0.6	1.2	1.8	2.4	3.0	3.6	4.2
				LPM	10	20	30	40	50	60	70
CMR3/4/10	10	0.5	0.37	TOTAL HEAD IN METERS	39	36	32	26	20	14	8
CMR3/4/15	15	0.75	0.55		59	54	47	39	30	21	12
CMR3/4/17	17	1.0	0.75		66	61	54	44	34	24	14
CMR3/4/20	20	1.0	0.75		78	72	63	52	40	28	16
CMR3/4/24	24	1.25	0.93		94	86	76	62	48	34	19
CMR3/4/26	26	1.5	1.1		101	94	82	68	52	36	21
CMR3/4/28	28	1.5	1.1		109	101	88	73	56	39	22

50 LPM MAX.O.D : 74 MM. — **OUTLET SIZE : 32 MM 2900 RPM**

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		CM	kW	M³/hr	1.2	1.8	2.4	3.0	3.6	4.2	4.8
				LPM	20	30	40	50	60	70	80
CMR3/5/7	7	0.5	0.37	TOTAL HEAD IN METERS	27	26	23	20	16	12	8
CMR3/5/10	10	0.75	0.55		39	37	34	29	24	18	11
CMR3/5/12	12	1.0	0.75		47	44	40	35	28	21	13
CMR3/5/15	15	1.25	0.93		59	56	50	44	35	26	17
CMR3/5/20	20	1.5	1.1		78	74	67	58	47	35	22

60 LPM MAX.O.D : 74 MM. — **OUTLET SIZE : 32 MM 2900 RPM**

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		CM	kW	M³/hr	1.8	2.4	3.0	3.6	4.2	4.8	5.4
				LPM	30	40	50	60	70	80	90
CMR3/6/6	6	0.5	0.37	TOTAL HEAD IN METERS	25	24	22	19	16	13	10
CMR3/6/8	8	0.75	0.55		34	32	29	25	21	17	13
CMR3/6/10	10	1.0	0.75		42	40	36	32	27	24	16
CMR3/6/12	12	1.25	0.93		50	48	43	38	32	26	19
CMR3/6/15	15	1.5	1.1		63	60	54	47	40	32	24

NEXORIS GROUP

V4 Submersible Pumpset

NEXORIS Group manufactures high quality and highly efficient water filled submersible pumpsets.



SALIENT FEATURES

1. International NEMA spline coupling.
2. Thrust Bearing used with resins impregnated carbon v/s SS segments to ensure thrust load.
3. Impeller & Diffusers are used with glass filled engineering polymer with stainless steel wear rings.
4. Specially design for low voltage application.
5. Rotors are dynamically balance to minimise noise & vibration.
6. Pump & motors are in fully stainless steel design.
7. Rotor are painted with special epoxy paint for long life.
8. All sleeves are hard chrome plated to ensure the long life in sandy condition.
9. All the pumps are supply with guide bush at suction end along with sand protection.
10. NRV provided for reduce the back flow.

APPLICATION

1. Domestic water supply.
2. Industrial.
3. Agriculture.
4. Solar pumping system.
5. Fountains, Garden.

MATERIAL OF CONSTRUCTION

MOTOR

Motor Shaft	:	Stainless steel AISI 410 / AISI 431.
Casting Part	:	Cast Iron FG 200 grade.
Thrust Bearing	:	Carbon v/s stainless steel
Stamping	:	Silicon steel.
Copper	:	EC Grade 99.9%

PUMP

Impeller & Diffuser	:	Glass Filled engineered polymer.
Pump Shaft	:	Fully Stainless Steel AISI 410
Suction Housing	:	Cast Iron FG 200 grade with leaded bronze guide bush.
NRV	:	Cast Iron FG 200
Sleeve	:	AISI 410 with hard chrome platting

TECHNICAL SPECIFICATION

Head Range	:	4 to 335 meter
Discharge Range	:	10 to 480 LPM
Motor Rating	:	0.5HP to 5.0HP in Single Phase - 230V, 50Hz, AC Supply 0.5HP to 7.5HP in Three Phase - 380V / 415V, 50Hz, AC Supply
Voltage Range	:	150V to 250V (1 Phase) 200V to 440V (3 Phase)

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NEXORIS GROUP

V-4 96 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

ECO Model

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1"(25 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	11	20	23	30	33	45	55
4CME1-0510	0.5	10	Head in Meters	61	55	50	45	40	30	20	10
4CME1-7512	0.75	12		73	66	60	54	48	36	24	12
4CME1-1018	1.0	18		110	99	90	81	72	54	36	18
4CME1-1525	1.5	25		153	138	125	113	100	75	50	25
4CME1-2030	2.0	30		183	165	150	135	120	90	60	30

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	13	20	27	40	40	55	65
4CME2-058	0.5	8	Head in Meters	49	44	40	36	32	24	16	8
4CME2-7510	0.75	10		61	55	50	45	40	30	20	10
4CME2-1012	1.0	12		73	66	60	54	48	36	24	12
4CME2-1015	1.0	15		92	83	75	68	60	45	30	15
4CME2-1520	1.5	20		122	110	100	90	80	60	40	20
4CME2-2025	2.0	25		153	138	125	113	100	75	50	25
4CME2-3030	3.0	30		183	165	150	135	120	90	60	30

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	25	35	45	65	60	75	90
4CME4-056	0.5	6	Head in Meters	37	33	30	27	24	18	12	6
4CME4-0758	0.75	8		49	44	40	36	32	24	16	8
4CME4-1010	1.0	10		61	55	50	45	40	30	20	10
4CME4-1515	1.5	15		92	83	75	68	60	45	30	15
4CME4-2020	2.0	20		122	110	100	90	80	60	40	20
4CME4-3025	3.0	25		153	138	125	113	100	75	50	25

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.5"(40 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	30	50	60	90	85	100	120
4CME5-0756	0.75	6	Head in Meters	37	33	30	27	24	18	12	6
4CME5-0108	1.0	8		49	44	40	36	32	24	16	8
4CME5-1512	1.5	12		73	66	60	54	48	36	24	12
4CME5-2015	2.0	15		92	83	75	68	60	45	30	15
4CME5-3020	3.0	20		122	110	100	90	80	60	40	20

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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V-4 96 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

ECO Model

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.5" (40 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	40	60	75	110	120	140	160
4CME7-0107	1.0	7	Head in Meters	43	39	35	32	28	21	14	7
4CME7-1510	1.5	10		61	55	50	45	40	30	20	10
4CME7-2012	2.0	12		73	66	60	54	48	36	24	12
4CME7-3015	3.0	15		92	83	75	68	60	45	30	15

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	45	60	80	135	140	160	180
4CME10-0106	1.0	6	Head in Meters	37	33	30	27	24	18	12	6
4CME10-0158	1.5	8		49	44	40	36	32	24	16	8
4CME10-2010	2.0	10		61	55	50	45	40	30	20	10
4CME10-3012	3.0	12		73	66	60	54	48	36	24	12

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	50	70	95	140	150	175	200
4CME12-0105	1.0	5	Head in Meters	31	28	25	23	20	15	10	5
4CME12-0157	1.5	7		43	39	35	32	28	21	14	7
4CME12-0208	2.0	8		49	44	40	36	32	24	16	8
4CME12-3010	3.0	10		61	55	50	45	40	30	20	10

Max. Head Per Stage : 16.5' Feet (5 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	100	130	170	210	250	310	380
4CM18-0206	2.0	6	Head in Meters	30	27	25	23	20	18	12	6
4CM18-0308	3.0	8		40	36	33	31	26	24	16	8

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-4 96 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Deluxe Model



Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1"(25 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	13	20	27	35	42	50	60
4CM1-0510	0.5	10	Head in Meters	61	55	50	45	40	30	20	10
4CM1-7512	0.75	12		73	66	60	54	48	36	24	12
4CM1-1018	1.0	18		110	99	90	81	72	54	36	18
4CM1-1525	1.5	25		153	138	125	113	100	75	50	25
4CM1-2030	2.0	30		183	165	150	135	120	90	60	30
4CM1-2035	2.0	35		214	193	175	158	140	105	70	35
4CM1-3040	3.0	40		244	220	200	180	160	120	80	40

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	20	25	30	45	45	60	70
4CM2-058	0.5	8	Head in Meters	49	44	40	36	32	24	16	8
4CM2-7510	0.75	10		61	55	50	45	40	30	20	10
4CM2-1012	1.0	12		73	66	60	54	48	36	24	12
4CM2-1015	1.0	15		92	83	75	68	60	45	30	15
4CM2-1520	1.5	20		122	110	100	90	80	60	40	20
4CM2-2025	2.0	25		153	138	125	113	100	75	50	25
4CM2-2028	2.0	28		171	154	140	126	112	84	56	28
4CM2-3030	3.0	30		183	165	150	135	120	90	60	30
4CM2-3035	3.0	35		214	193	175	158	140	105	70	35
4CM2-4040	4.0	40		244	220	200	180	160	120	80	40

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	25	32	50	70	75	85	105
4CM4-056	0.5	6	Head in Meters	37	33	30	27	24	18	12	6
4CM4-0758	0.75	8		49	44	40	36	32	24	16	8
4CM4-1010	1.0	10		61	55	50	45	40	30	20	10
4CM4-1515	1.5	15		92	83	75	68	60	45	30	15
4CM4-2020	2.0	20		122	110	100	90	80	60	40	20
4CM4-3025	3.0	25		153	138	125	113	100	75	50	25
4CM4-3028	3.0	28		171	154	140	126	112	84	56	28
4CM4-4032	4.0	32		195	176	160	144	128	96	64	32
4CM4-5036	5.0	36		220	198	180	162	144	108	72	36
4CM4-5040	5.0	40		244	220	200	180	160	120	80	40

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

NEXORIS GROUP

V-4 96 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Deluxe Model

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.5" (40 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	40	60	75	95	110	125	140
4CM5-0756	0.75	6	Head in Meters	37	33	30	27	24	18	12	6
4CM5-0108	1.0	8		49	44	40	36	32	24	16	8
4CM5-1512	1.5	12		73	66	60	54	48	36	24	12
4CM5-2015	2.0	15		92	83	75	68	60	45	30	15
4CM5-3020	3.0	20		122	110	100	90	80	60	40	20
4CM5-3022	3.0	22		134	121	110	99	88	66	44	22
4CM5-4025	4.0	25		153	138	125	113	100	75	50	25
4CM5-5030	5.0	30		183	165	150	135	120	90	60	30
4CM5-5032	5.0	32		195	176	160	144	128	96	64	32

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 1.5" (40 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	45	65	80	115	130	150	170
4CM7-0107	1.0	7	Head in Meters	43	39	35	32	28	21	14	7
4CM7-1510	1.5	10		61	55	50	45	40	30	20	10
4CM7-2012	2.0	12		73	66	60	54	48	36	24	12
4CM7-3015	3.0	15		92	83	75	68	60	45	30	15
4CM7-4020	4.0	20		122	110	100	90	80	60	40	20
4CM7-5025	5.0	25		153	138	125	113	100	75	50	25

Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	60	80	120	140	150	170	200
4CM10-0106	1.0	6	Head in Meters	37	33	30	27	24	18	12	6
4CM10-0158	1.5	8		49	44	40	36	32	24	16	8
4CM10-2010	2.0	10		61	55	50	45	40	30	20	10
4CM10-3012	3.0	12		73	66	60	54	48	36	24	12
4CM10-4015	4.0	15		92	83	75	68	60	45	30	15
4CM10-5020	5.0	20		122	110	100	90	80	60	40	20

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

NEXORIS GROUP

V-4 96 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Deluxe Model



Max. Head Per Stage : 20' Feet (6 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	90	100	130	150	165	190	220
4CM12-0105	1.0	5	Head in Meters ↑↓	31	28	25	23	**20**	15	10	5
4CM12-0157	1.5	7		43	39	35	32	**28**	21	14	7
4CM12-0208	2.0	8		49	44	40	36	**32**	24	16	8
4CM12-3010	3.0	10		61	55	50	45	**40**	30	20	10
4CM12-4012	4.0	12		73	66	60	54	**48**	36	24	12
4CM12-5015	5.0	15		92	83	75	68	**60**	45	30	15

Max. Head Per Stage : 16.5' Feet (5 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	100	130	170	230	250	310	380
4CM18-0155	1.5	5	Head in Meters ↑↓	25	23	21	20	**17**	15	10	5
4CM18-0206	2.0	6		30	28	25	23	**20**	18	12	6
4CM18-0207	2.0	7		35	32	29	27	**23**	21	14	7
4CM18-0309	3.0	9		45	41	38	35	**30**	27	18	9
4CM18-4010	4.0	10		50	46	42	39	**33**	30	20	10
4CM18-5014	5.0	14		70	64	59	55	**46**	42	28	14

NEXORIS GROUP

V-4 98 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Premium Model

Max. Head Per Stage : 24' Feet (7.3 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	15	20	23	28	32	36	44
4CMH1-1016	1.0	16	Head in Meters	117	112	96	88	80	72	64	48
4CMH1-1522	1.5	22		161	154	132	121	110	99	88	66
4CMH1-1524	1.5	24		175	168	144	132	120	108	96	72
4CMH1-2030	2.0	30		219	210	180	165	150	135	120	90
4CMH1-2032	2.0	32		234	224	192	176	160	144	128	96
4CMH1-3040	3.0	40		292	280	240	220	200	180	160	120
4CMH1-5055	5.0	55		402	385	330	303	275	248	220	165
4CMH1-6060	6.0	60		438	420	360	330	300	270	240	180
4CMH1-7570	7.5	70		511	490	420	385	350	315	280	210

Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	20	25	35	40	50	55	60
4CMH1S-1012	1.0	12	Head in Meters	91	84	72	66	60	54	48	36
4CMH1S-1518	1.5	18		137	126	108	99	90	80	72	54
4CMH1S-2024	2.0	24		182	168	144	132	120	108	96	72
4CMH1S-3035	3.0	35		266	245	210	193	175	150	140	105
4CMH1S-5050	5.0	50		380	350	300	275	250	225	200	150
4CMH1S-6055	6.0	55		418	385	303	303	275	248	220	165
4CMH1S-7565	7.5	65		494	455	390	358	325	293	260	195

Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	20	35	45	50	55	60	70
4CMH2-1010	1.0	10	Head in Meters	77	70	60	55	50	45	40	30
4CMH2-1515	1.5	15		116	105	90	83	75	68	60	45
4CMH2-2020	2.0	20		154	140	120	110	100	90	80	60
4CMH2-3030	3.0	30		231	210	180	165	150	135	120	90
4CMH2-5045	5.0	45		347	315	270	248	225	203	180	135
4CMH2-6050	6.0	50		385	350	300	275	250	225	200	150
4CMH2-7560	7.5	60		462	420	360	330	300	270	240	180



Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-4 98 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Premium Model



Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 1.25"(32 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	30	45	55	60	65	70	80
4CMH3-0108	1.0	8	Head in Meters	62	56	48	44	40	36	32	24
4CMH3-1512	1.5	12		92	84	72	66	60	54	48	36
4CMH3-2016	2.0	16		123	112	96	88	80	72	64	48
4CMH3-3025	3.0	25		193	175	150	138	125	113	100	75
4CMH3-5040	5.0	40		308	280	240	220	200	180	160	120
4CMH3-6045	6.0	45		347	315	270	248	225	203	180	135
4CMH3-7555	7.5	55		424	385	330	303	275	248	220	165

Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 1.50"(40 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	40	55	60	70	75	80	90
4CMH4-0107	1.0	7	Head in Meters	54	49	42	39	35	32	28	21
4CMH4-1510	1.5	10		77	70	60	55	50	45	40	30
4CMH4-2014	2.0	14		108	98	84	77	70	63	56	42
4CMH4-3020	3.0	20		154	140	120	110	100	90	80	60
4CMH4-3022	3.0	22		169	154	132	121	110	99	88	66
4CMH4-5036	5.0	36		277	252	216	198	180	162	144	108
4CMH4-6040	6.0	40		308	280	240	220	200	180	160	120
4CMH4-7545	7.5	45		347	315	270	248	225	203	180	135
4CMH4-7550	7.5	50		385	350	300	275	250	225	200	150

Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 1.50"(40 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	30	60	70	85	90	100	115
4CMH5-0106	1.0	6	Head in Meters	44	42	36	33	30	27	24	18
4CMH5-0159	1.5	9		67	63	54	50	45	41	36	27
4CMH5-2012	2.0	12		89	84	72	66	60	54	48	36
4CMH5-3018	3.0	18		133	126	108	99	90	81	72	54
4CMH5-5030	5.0	30		222	210	180	165	150	135	120	90
4CMH5-6035	6.0	35		259	245	210	193	175	158	140	105
4CMH5-7540	7.5	40		296	280	240	220	200	180	160	120

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

NEXORIS GROUP

V-4 98 mm

S.S. Body & Pump With Noryl Bowl Set. Suitable for Bore Dia 100mm.
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Premium Model



Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 2.0"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	35	75	85	100	110	115	130
4CMH7-0105	1.0	5	Head in Meters	37	35	30	28	25	23	20	15
4CMH7-0158	1.5	8		59	56	48	44	40	36	32	24
4CMH7-2010	2.0	10		74	70	60	55	50	45	40	30
4CMH7-3015	3.0	15		111	105	90	83	75	68	60	45
4CMH7-5025	5.0	25		185	175	150	138	125	113	100	75
4CMH7-6030	6.0	30		222	210	180	165	150	135	120	90
4CMH7-7535	7.5	35		259	245	210	193	175	158	140	105

Max. Head Per Stage : 25' Feet (7.6 Meter) — **Outlet (NRV) : 2.0"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	60	120	145	155	170	180	210
4CMH12-0156	1.5	6	Head in Meters	44	42	36	33	30	27	24	18
4CMH12-0208	2.0	8		59	56	48	44	40	36	32	24
4CMH12-3012	3.0	12		79	84	72	66	60	54	48	36
4CMH12-5018	5.0	18		131	126	108	99	90	81	72	54
4CMH12-6022	6.0	22		161	154	132	121	110	99	88	66
4CMH12-7525	7.5	25		183	175	150	138	125	113	100	75

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-4 Mix Flow

S.S. Motor Body 98 mm & Pump with Noryl Bowl Set
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Premium Model

Max. Head Per Stage : 18' Feet (5.5 Meter)

Outlet (NRV) : 2.0" (50 MM)

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	100	150	210	270	320	370	410
4CMF18-0155	1.5	5	Head in Meters ↑ ↓	27	25	23	20	18	15	13	10
4CMF18-0207	2.0	7		37	35	32	28	25	21	18	14
4CMF18-0309	3.0	9		48	45	41	36	32	27	23	18
4CMF18-5016	5.0	16		85	80	72	64	56	48	40	32

Max. Head Per Stage : 18' Feet (5.5 Meter)

Outlet (NRV) : 2.50" (65 MM)

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	140	190	250	320	370	420	460
4CMF20-0206	2.0	6	Head in Meters ↑ ↓	33	30	27	24	21	18	15	12
4CMF20-0308	3.0	8		44	40	36	32	28	24	20	16
4CMF20-5014	5.0	14		77	70	63	56	49	42	35	28

V-4 Q-Type

S.S. Motor Body 96 mm Pump C.I. Bowl with Noryl Impeller
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Deluxe Model

Max. Head Per Stage : 17' Feet (5.2 Meter)

Outlet (NRV) : 2.5" (65 MM)

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	120	200	250	330	350	420	460
4CMQ18-0206	2.0	6	Head in Meters ↑ ↓	31	28	24	21	18	15	12	9
4CMQ18-0309	3.0	9		46	42	36	32	27	23	18	14
4CMQ18-5015	5.0	15		77	71	60	53	45	38	30	23

V-4 Q-Type

S.S. Motor Body 98 mm Pump C.I. Bowl with Noryl Impeller
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2850 RPM)

Premium Model

Max. Head Per Stage : 17' Feet (5.2 Meter)

Outlet (NRV) : 2.5" (65 MM)

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	0	120	200	250	330	350	420	460
4CMQ18-6018	6.0	18	Head in Meters ↑ ↓	92	85	72	63	54	45	36	27
4CMQ18-7521	7.5	21		107	99	84	74	63	53	42	32

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

NEXORIS GROUP

V6 (50 FT)

Submersible Pumpset



Nexoris Group makes highly efficient durable and best quality V6 (50 ft.) high head submersible pumpset with water filled submersible motors.

SALIENT FEATURES

1. High efficient investment casting process diffusers are use with AISI 304 Material.
2. All the rotating parts are balance in precision grade to reduce vibration & noise.
3. All guide bushes are protected with sand guards.
4. Upper thrust provision provided in each model.
5. All pumps are provided with suction guide support.
6. All Bearing sleeves are provided with hard crome platting.
7. Carbon V/S Stainless steel thrust bearing are provided to withstand high thrust load.
8. Pumps are Design for maximum water discharge.
9. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation.
10. Rotors are painted with special epoxy paint for long life.

APPLICATION

1. Irrigation/Sprinkler
2. Commodity water supply
3. Industrial
4. High rise buildings
5. Sprinklers

MATERIAL OF CONSTRUCTION

MOTOR

Motor Shaft	:	Fully Stainless steel AISI 410.
Stamping	:	Silicon steel.
Casting Part	:	Cast Iron FG 200 grade.
Thrust Bearing	:	Carbon v/s Stainless Steel.
Copper	:	EC grade min 99.90%.

PUMP

Diffuser	:	SS 304 Investment Casting
Pump Shaft	:	Fully Stainless Steel AISI 410
Suction Housing	:	Cast Iron FG 200 grade.
Impeller	:	Stainless Steel AISI 410.
Sleeve	:	AISI 410 with hard chrome platting.

TECHANICAL SPECIFICATION

Head Range	:	10 to 450 meter
Discharge Range	:	40 to 780 LPM
Motor Rating	:	3.0 HP to 30 HP in three phase. - 380V / 415 V, 50 Hz, AC Supply 3.0 HP to 5.0 HP in single phase. - 230V, 50Hz. AC Supply
Voltage Range	:	160V to 250V (1 Phase) 200V to 440V (3 Phase)

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NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump S.S. - 304 Bowl With SS - 304/410 Impeller.
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

50' Feet Head

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	40	60	95	115	140	170	210
6CM-506	3.0	6	Head in Meters ↑↓	87	84	78	72	60	54	42
6CM-508	4.0	8		116	112	104	96	80	72	56
6CM-5010	5.0	10		145	140	130	120	100	90	70
6CM-5012	6.0	12		174	168	156	144	120	108	84
6CM-5015	7.5	15		218	210	195	180	150	135	105
6CM-5020	10.0	20		290	280	260	240	200	180	140
6CM-5025	12.5	25		363	350	325	300	250	225	175
6CM-5030	15.0	30		435	420	390	360	300	270	210

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	70	100	130	150	170	190	225
6CM-605	3.0	5	Head in Meters ↑↓	75	70	65	60	50	40	25
6CM-607	4.0	7		105	98	91	84	70	56	35
6CM-608	5.0	8		120	112	104	96	80	64	40
6CM-6010	6.0	10		150	140	130	120	100	80	50
6CM-6012	7.5	12		180	168	156	144	120	96	60
6CM-6016	10.0	16		240	224	208	192	160	128	80
6CM-6020	12.5	20		300	280	260	240	200	160	100
6CM-6024	15.0	24		360	336	312	288	240	192	120
6CM-6028	17.5	28		420	392	364	336	280	224	140
6CM-6030	20.0	30		450	420	390	360	300	240	150

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	80	130	160	200	220	260	310
6CM-804	3.0	4	Head in Meters ↑↓	60	56	52	48	40	32	20
6CM-805	4.0	5		75	70	65	60	50	40	25
6CM-806	5.0	6		90	84	78	72	60	48	30
6CM-808	6.0	8		120	112	104	96	80	64	40
6CM-8010	7.5	10		150	140	130	120	100	80	50
6CM-8012	10.0	12		180	168	156	144	120	96	60
6CM-8015	12.5	15		225	210	195	180	150	120	75
6CM-8018	15.0	18		270	252	234	216	180	144	90
6CM-8022	17.5	22		330	308	286	264	220	176	110
6CM-8025	20.0	25		375	350	325	300	250	200	125
6CM-8030	25.0	30		450	420	390	360	300	240	150

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump S.S. - 304 Bowl With SS - 304/410 Impeller.
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

50' Feet Head

TURBO Model Available



Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2" (50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	100	180	200	260	300	350	410
6CM-1003	3.0	3	Head in Meters	45	42	39	**36**	30	24	15
6CM-1004	4.0	4		60	56	52	**48**	40	32	20
6CM-1005	5.0	5		75	70	65	**60**	50	40	25
6CM-1006	6.0	6		90	84	78	**72**	60	48	30
6CM-1008	7.5	8		120	112	104	**96**	80	64	40
6CM-10010	10.0	10		150	140	130	**120**	100	80	50
6CM-10012	12.5	12		180	168	156	**144**	120	96	60
6CM-10015	15.0	15		225	210	195	**180**	150	120	75
6CM-10018	17.5	18		270	252	234	**216**	180	144	90
6CM-10020	20.0	20		300	280	260	**240**	200	160	100
6CM-10025	25.0	25		375	350	325	**300**	250	200	125
6CM-10030	30.0	30		450	420	390	**360**	300	240	150

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	120	230	280	340	410	470	530
6CM-1253	4.0	3	Head in Meters	45	42	39	**36**	30	24	15
6CM-1254	5.0	4		60	56	52	**48**	40	32	20
6CM-1255	6.0	5		75	70	65	**60**	50	40	25
6CM-1256	7.5	6		90	84	78	**72**	60	48	30
6CM-1258	10.0	8		120	112	104	**96**	80	64	40
6CM-12510	12.5	10		150	140	130	**120**	100	80	50
6CM-12512	15.0	12		180	168	156	**144**	120	96	60
6CM-12514	17.5	14		210	196	182	**168**	140	112	70
6CM-12516	20.0	16		240	224	208	**192**	160	128	80
6CM-12520	25.0	20		300	280	260	**240**	200	160	100
6CM-12524	30.0	24		360	336	312	**288**	240	192	120

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump S.S. - 304 Bowl With SS - 304/410 Impeller.
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

50' Feet Head

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	130	260	350	400	470	530	600
6CM-1502	3.0	2	Head in Meters	30	28	26	24	20	16	10
6CM-1503	5.0	3		45	42	39	36	30	24	15
6CM-1504	6.0	4		60	56	52	48	40	32	20
6CM-1505	7.5	5		75	70	65	60	50	40	25
6CM-1507	10.0	7		105	98	91	84	70	56	35
6CM-1508	12.5	8		120	112	104	96	80	64	40
6CM-15010	15.0	10		150	140	130	120	100	80	50
6CM-15012	17.5	12		180	168	156	144	120	96	60
6CM-15013	20.0	13		195	182	169	156	130	104	65
6CM-15016	25.0	16		240	224	208	192	160	128	80
6CM-15020	30.0	20		300	280	260	240	200	160	100

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	140	350	400	500	580	670	760
6CM-2002	4.0	2	Head in Meters	30	28	26	24	20	16	10
6CM-2003	6.0	3		45	42	39	36	30	24	15
6CM-2004	7.5	4		60	56	52	48	40	32	20
6CM-2005	10.0	5		75	70	65	60	50	40	25
6CM-2006	12.5	6		90	84	78	72	60	48	30
6CM-2008	15.0	8		120	112	104	96	80	64	40
6CM-2009	17.5	9		135	126	117	108	90	72	45
6CM-20010	20.0	10		150	140	130	120	100	80	50
6CM-20012	25.0	12		180	168	156	144	120	96	60
6CM-20015	30.0	15		225	210	195	180	150	120	75

Max. Head Per Stage : 50' Feet (15 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	220	460	510	610	700	770	840
6CM-2502	5.0	2	Head in Meters	30	28	26	24	20	16	10
6CM-2503	7.5	3		45	42	39	36	30	24	15
6CM-2504	10.0	4		60	56	52	48	40	32	20
6CM-2505	12.5	5		75	70	65	60	50	40	25
6CM-2506	15.0	6		90	84	78	72	60	48	30
6CM-2507	17.5	7		105	98	91	84	70	56	35
6CM-2508	20.0	8		120	112	104	96	80	64	40
6CM-25010	25.0	10		150	140	130	120	100	80	50
6CM-25012	30.0	12		180	168	156	144	120	96	60

TURBO Model Available



Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump S.S. -304 Bowl With S.S.-304/410 Impeller
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

70' Feet Head



Max. Head Per Stage : 70' Feet (21 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	30	50	70	80	90	110	130	140
6CM-7605	3.0	5	Head in Meters	95	90	85	80	75	60	50	45
6CM-7607	4.0	7		133	126	119	112	105	84	70	63
6CM-7608	5.0	8		152	144	136	128	120	96	80	72
6CM-76010	6.0	10		190	180	170	160	150	120	100	90
6CM-76012	7.5	12		228	216	204	192	180	144	120	108
6CM-76016	10.0	16		304	288	272	256	240	192	160	144
6CM-76020	12.5	20		380	360	340	320	300	240	200	180
6CM-76024	15.0	24		456	432	408	384	360	288	240	216

Max. Head Per Stage : 70' Feet (21 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	70	100	115	130	145	180	205	215
6CM-7804	3.0	4	Head in Meters	76	72	68	64	60	48	40	36
6CM-7805	4.0	5		95	90	85	80	75	60	50	45
6CM-7806	5.0	6		114	108	102	96	90	72	60	54
6CM-7808	6.0	8		152	144	136	128	120	96	80	72
6CM-78010	7.5	10		190	180	170	160	150	120	100	90
6CM-78012	10.0	12		228	216	204	192	180	144	120	108
6CM-78015	12.5	15		285	270	255	240	225	180	150	135
6CM-78018	15.0	18		342	324	306	288	270	216	180	162
6CM-78022	17.5	22		418	396	374	352	330	264	220	198
6CM-78025	20.0	25		475	450	425	400	375	300	250	225

Max. Head Per Stage : 70' Feet (21 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM								
			LPM	110	140	160	175	195	240	275	290
6CM-71003	3.0	3	Head in Meters	57	54	51	48	45	36	30	27
6CM-71004	4.0	4		76	72	68	64	60	48	40	36
6CM-71005	5.0	5		95	90	85	80	75	60	50	45
6CM-71006	6.0	6		114	108	102	96	90	72	60	54
6CM-71008	7.5	8		152	144	136	128	120	96	80	72
6CM-710010	10.0	10		190	180	170	160	150	120	100	90
6CM-710012	12.5	12		228	216	204	192	180	144	120	108
6CM-710015	15.0	15		285	270	255	240	225	180	150	135
6CM-710018	17.5	18		342	324	306	288	270	216	180	162
6CM-710020	20.0	20		380	360	340	320	300	240	200	180
6CM-710025	25.0	25		475	450	425	400	375	300	250	225

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump S.S.-304 Bowl With S.S.-304/410 Impeller
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

70' Feet Head

Max. Head Per Stage : 70' Feet (21 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	170	205	225	250	270	330	360	375
6CM-71253	4.0	3	Head in Meters	57	54	51	48	45	36	30	27
6CM-71254	5.0	4		76	72	68	64	60	48	40	36
6CM-71255	6.0	5		95	90	85	80	75	60	50	45
6CM-71256	7.5	6		114	108	102	96	90	72	60	54
6CM-71258	10.0	8		152	144	136	128	120	96	80	72
6CM-712510	12.5	10		190	180	170	160	150	120	100	90
6CM-712512	15.0	12		228	216	204	192	180	144	120	108
6CM-712514	17.5	14		266	252	238	224	210	168	140	126
6CM-712516	20.0	16		304	288	272	256	240	192	160	144
6CM-712520	25.0	20		380	360	340	320	300	240	200	180

Max. Head Per Stage : 70' Feet (21 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	200	240	265	290	315	390	415	440
6CM-71502	3.0	2	Head in Meters	38	36	34	32	30	24	20	18
6CM-71503	5.0	3		57	54	51	48	45	36	30	27
6CM-71504	6.0	4		76	72	68	64	60	48	40	36
6CM-71505	7.5	5		95	90	85	80	75	60	50	45
6CM-71507	10.0	7		133	126	119	112	105	84	70	63
6CM-71508	12.5	8		152	144	136	128	120	96	80	72
6CM-715010	15.0	10		190	180	170	160	150	120	100	90
6CM-715012	17.5	12		228	216	204	192	180	144	120	108
6CM-715013	20.0	12		247	234	221	208	195	156	130	117
6CM-715016	25.0	16		304	288	272	256	240	192	160	144

Max. Head Per Stage : 70' Feet (21 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	300	335	370	400	435	535	580	600
6CM-72002	4.0	2	Head in Meters	38	36	34	32	30	24	20	18
6CM-72003	6.0	3		57	54	51	48	45	36	30	27
6CM-72004	7.5	4		76	72	68	64	60	48	40	36
6CM-72005	10.0	5		95	90	85	80	75	60	50	45
6CM-72006	12.5	6		114	108	102	96	90	72	60	54
6CM-72008	15.0	8		152	144	136	128	120	96	80	72
6CM-72009	17.5	9		171	162	153	144	135	108	90	81
6CM-720010	20.0	10		190	180	170	160	150	120	100	90
6CM-720012	25.0	12		228	216	204	192	180	144	120	108



Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump C.I. Bowl With S.S.-410 Impeller
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 Hz, 2880 RPM)

40' Feet Head

TURBO Model Available



Max. Head Per Stage : 37' Feet (11.5 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	0	40	70	100	115	130	150
6CMC-3010	3.0	10	Head in Meters	115	110	100	90	80	70	60
6CMC-3013	4.0	13		150	143	130	117	104	91	78
6CMC-3015	5.0	15		173	165	150	135	120	105	90
6CMC-3018	6.0	18		207	198	180	162	144	126	108
6CMC-3024	7.5	24		276	264	240	216	192	168	144
6CMC-3025	7.5	25		288	275	250	225	200	175	150
6CMC-3030	10.0	30		345	330	300	270	240	210	180

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	70	80	110	130	150	160	180
6CMC-407	3.0	7	Head in Meters	81	77	70	63	56	49	42
6CMC-4010	4.0	10		115	110	100	90	80	70	60
6CMC-4012	5.0	12		138	132	120	108	96	84	72
6CMC-4015	6.0	15		173	165	150	135	120	105	90
6CMC-4018	7.5	18		207	198	180	162	144	126	108
6CMC-4020	7.5	20		230	220	200	180	160	140	120
6CMC-4024	10.0	24		276	264	240	216	192	168	144
6CMC-4025	10.0	25		288	275	250	225	200	175	150
6CMC-4030	12.5	30		345	330	300	270	240	210	180

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	90	120	145	170	190	215	240
6CMC-506	3.0	6	Head in Meters	69	66	60	54	48	42	36
6CMC-508	4.0	8		92	88	80	72	64	56	48
6CMC-5010	5.0	10		115	110	100	90	80	70	60
6CMC-5012	6.0	12		138	132	120	108	96	84	72
6CMC-5015	7.5	15		173	165	150	135	120	105	90
6CMC-5020	10.0	20		230	220	200	180	160	140	120
6CMC-5025	12.5	25		288	275	250	225	200	175	150
6CMC-5030	15.0	30		345	330	300	270	240	210	180

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-6 142 mm

S.S. Motor Body & Pump C.I. Bowl With S.S.-410 Impeller
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

40' Feet Head

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	135	160	190	215	240	260	290
6CMC-605	3.0	5	Head in Meters	58	55	50	45	40	35	30
6CMC-607	4.0	7		81	77	70	63	56	49	42
6CMC-608	5.0	8		92	88	80	72	64	56	48
6CMC-6010	6.0	10		115	110	100	90	80	70	60
6CMC-6012	7.5	12		138	132	130	108	96	84	72
6CMC-6016	10.0	16		184	176	160	144	128	112	96
6CMC-6020	12.5	20		230	220	200	180	160	140	120
6CMC-6025	15.0	25		288	275	250	225	200	175	150
6CMC-6028	17.5	28		322	308	280	252	224	196	168
6CMC-6030	20.0	30		345	330	300	270	240	210	180

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	55	180	220	260	290	340	370
6CMC-804	3.0	4	Head in Meters	46	44	40	36	32	28	24
6CMC-805	4.0	5		58	55	50	45	40	35	30
6CMC-806	5.0	6		69	66	60	54	48	42	36
6CMC-808	6.0	8		92	88	80	72	64	56	48
6CMC-8010	7.5	10		115	110	100	90	80	70	60
6CMC-8012	10.0	12		138	132	120	108	96	84	72
6CMC-8015	12.5	15		173	165	150	135	120	105	90
6CMC-8018	15.0	18		207	198	180	162	144	126	108
6CMC-8022	17.5	22		253	242	220	198	176	154	132
6CMC-8025	20.0	25		288	275	250	225	200	175	150

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 2"(50 MM)**

MODEL NO.	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	220	240	280	310	350	380	410
6CMC-1003	3.0	3	Head in Meters	35	33	30	27	24	21	18
6CMC-1004	4.0	4		46	44	40	36	32	28	24
6CMC-1005	5.0	5		58	55	50	45	40	35	30
6CMC-1006	6.0	6		69	66	60	54	48	42	36
6CMC-1008	7.5	8		92	88	80	72	64	56	48
6CMC-10010	10.0	10		115	110	100	90	80	70	60
6CMC-10012	12.5	12		138	132	120	108	96	84	72
6CMC-10015	15.0	15		173	165	150	135	120	105	90
6CMC-10018	17.5	18		207	198	180	162	144	126	108
6CMC-10020	20.0	20		230	220	200	180	160	140	120

TURBO Model Available



Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V6 (Radial / Mix flow) Submersible Pumpset



Nexoris Group makes highly efficient durable and best quality V6 submersible pumpset with water filled submersible motors.

SALIENT FEATURES

1. Robust construction to ensure durability of pumpset.
2. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation.
3. All the rotating parts are dynamically balance to reduce vibration & noise.
4. Carbon Bearing v/s Stainless Steel Segments are used to withstand high thrust load.
5. All guide bushes are protected with sand guards.
6. Bearing sleeves are provided with hard chrome platting for better life in sandy conditions.
7. Rotors are painted with special epoxy paint for long life.
8. NRV are provided for reduce back pressure.
9. Motors are also available in single phase and three phase design.
10. Motor design for wide voltage range.

APPLICATION

1. Sprinkler & drip irrigation system.
2. Irrigation in farms.
3. Domestic & Industrial water supply.
4. Fire Fighting system.
5. Solar pumping system.

MATERIAL OF CONSTRUCTION

MOTOR

Motor Shaft	:	Fully Stainless steel AISI 410.
Stamping	:	Silicon steel.
Casting Part	:	Cast Iron FG 200 grade.
Thrust Bearing	:	Carbon v/s Stainless Steel.
Copper	:	EC grade min 99.90%.

PUMP

Pump Shaft	:	Fully Stainless Steel AISI 410
Suction Housing	:	Cast Iron FG 200 grade.
Impeller	:	Stainless Steel AISI 410/ Glass filled engineering polymer
Diffuser	:	Cast Iron FG 200 grade.
Sleeve	:	AISI 410 with hard chrome platting.

TECHNICAL SPECIFICATION

Head Range	:	A) Radial flow-13 to 245 meters B) Mix Flow- 9 to 216 meters
Discharge Range	:	A) Radial flow-70 to 450 LPM B) Mix Flow-200 to 1150 LPM
Motor Rating	:	3.0 HP to 30 HP in three phase, 380V / 415 V, 50Hz, AC Supply 3.0 HP to 5.0 HP in single phase, 230V / 50Hz AC Supply
Voltage Range	:	160V to 250V (1 Phase) 200V to 440V (3 Phase)

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NEXORIS GROUP

V-6 Q-Type

S.S. Motor Body Dia 142 mm & Pump C.I. Bowl With S.S.-410 Impeller
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

40' Feet Head

TURBO Model Available



Max. Head Per Stage : 35' Feet (10.6 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	140	290	360	390	460	490	530
6CMQ-08/4	3.0	4	Head in Meters	40	36	32	28	24	20	16
6CMQ-08/5	4.0	5		50	45	40	35	30	25	20
6CMQ-08/6	5.0	6		60	54	48	42	36	30	24
6CMQ-08/8	6.0	8		80	72	64	56	48	40	32
6CMQ-08/10	7.5	10		100	90	80	70	60	50	40
6CMQ-08/12	10.0	12		120	108	96	84	72	60	48
6CMQ-08/15	12.5	15		150	135	120	105	90	75	60
6CMQ-08/18	15.0	18		180	162	144	126	108	90	72
6CMQ-08/22	17.5	22		220	198	176	154	132	110	88
6CMQ-08/25	20.0	25		250	225	200	175	150	125	100

Max. Head Per Stage : 36' Feet (10.7 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	200	370	420	490	550	570	620
6CMQ-10/2	2.0	2	Head in Meters	20	18	16	14	12	10	8
6CMQ-10/3	3.0	3		30	27	24	21	18	15	12
6CMQ-10/4	4.0	4		40	36	32	28	24	20	16
6CMQ-10/5	5.0	5		50	45	40	35	30	25	20
6CMQ-10/6	6.0	6		60	54	48	42	36	30	24
6CMQ-10/8	7.5	8		80	72	64	56	48	40	32
6CMQ-10/10	10.0	10		100	90	80	70	60	50	40
6CMQ-10/12	12.5	12		120	108	96	84	72	60	48
6CMQ-10/15	15.0	15		150	135	120	105	90	75	60
6CMQ-10/20	20.0	20		200	180	160	140	120	100	80

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 2.5"(65 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	200	350	450	530	600	700	750
6CMQ-12/3	4.0	3	Head in Meters	33	30	27	24	21	18	15
6CMQ-12/4	5.0	4		44	40	36	32	28	24	20
6CMQ-12/5	6.0	5		55	50	45	40	35	30	25
6CMQ-12/6	7.5	6		66	60	54	48	42	36	30
6CMQ-12/8	10.0	8		88	80	72	64	56	48	40
6CMQ-12/10	12.5	10		110	100	90	80	70	60	50
6CMQ-12/12	15.0	12		132	120	108	96	84	72	60
6CMQ-12/14	17.5	14		154	140	126	112	98	84	70
6CMQ-12/16	20.0	16		176	160	144	128	112	96	80
6CMQ-12/20	25.0	20		220	200	180	160	140	120	100

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V-6 Q-Type

S.S. Motor Body Dia 142 mm & Pump C.I. Bowl With S.S.-410 Impeller
Suitable for Bore Dia 150mm. (Three Phase 415V, 50 HZ, 2880 RPM)

Turbo Model Available

Max. Head Per Stage : 40' Feet (12 Meter) — **Outlet (NRV) : 3" (75 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	270	440	560	600	710	770	860
6CMQ-15/2	3.0	2	Head in Meters	22	20	18	16	14	12	10
6CMQ-15/3	5.0	3		33	30	27	24	21	18	15
6CMQ-15/4	6.0	4		44	40	36	32	28	24	20
6CMQ-15/5	7.5	5		55	50	45	40	35	30	25
6CMQ-15/7	10.0	7		77	70	63	56	49	42	35
6CMQ-15/8	12.5	8		88	80	72	64	56	48	40
6CMQ-15/10	15.0	10		110	100	90	80	70	60	50
6CMQ-15/12	17.5	12		132	120	108	96	84	72	60
6CMQ-15/13	20.0	13		143	130	117	104	91	78	65
6CMQ-15/16	25.0	16		176	160	144	128	112	96	80

Max. Head Per Stage : 42' Feet (12.8 Meter) — **Outlet (NRV) : 3" (75 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	430	550	670	780	850	900	980
6CMQ-20/2	4.0	2	Head in Meters	22	20	18	16	14	12	10
6CMQ-20/3	6.0	3		33	30	27	24	21	18	15
6CMQ-20/4	7.5	4		44	40	36	32	28	24	20
6CMQ-20/5	10.0	5		55	50	45	40	35	30	25
6CMQ-20/6	12.5	6		66	60	54	48	42	36	30
6CMQ-20/8	15.0	8		88	80	72	64	56	48	40
6CMQ-20/9	17.5	9		99	90	81	72	63	54	45
6CMQ-20/10	20.0	10		110	100	90	80	70	60	50
6CMQ-20/12	25.0	12		132	120	108	96	84	72	60

Max. Head Per Stage : 45' Feet (13.7 Meter) — **Outlet (NRV) : 3" (75 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM							
			LPM	520	700	870	950	1100	1200	1300
6CMQ-25/2	5.0	2	Head in Meters	22	20	18	16	14	12	10
6CMQ-25/3	7.5	3		33	30	27	24	21	18	15
6CMQ-25/4	10.0	4		44	40	36	32	28	24	20
6CMQ-25/5	12.5	5		55	50	45	40	35	30	25
6CMQ-25/6	15.0	6		66	60	54	48	42	36	30
6CMQ-25/7	17.5	7		77	70	63	56	49	42	35
6CMQ-25/8	20.0	8		88	80	72	64	56	48	40
6CMQ-25/10	25.0	10		110	100	90	80	70	60	50



Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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NEXORIS GROUP

V7 (Janta Model) Submersible Pumpset



Nexoris Group makes highly efficient durable and best Quality V7 submersible pumpset with water filled submersible motors.

SALIENT FEATURES

1. Motor design for wide voltage range.
2. All the rotating parts are balance in precision grade to reduce vibration & noise..
3. Pumps are Design for maximum water discharge.
4. Rotor are painted with special epoxy paint for long life.
5. All pumps are provided with suction guide support.
6. All Bearing sleeves are provided with hard chrome platting.
7. Carbon V/S Stainless steel thrust bearing are provided to withstand high thrust load.
8. Top and suction guide bushes are well protected by sand guards.
9. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation .
10. Upper thrust provision provided in each model.

APPLICATION

1. High rise buildings
2. Commodity water supply.
3. Hotels, Dairies and bungalows.
4. Irrigation/Sprinkler

MATERIAL OF CONSTRUCTION

MOTOR

Copper	:	EC grade min 99.90%.
Stamping	:	Silicon steel.
Casting Part	:	Cast Iron FG 200 grade.
Thrust Bearing	:	Carbon v/s Stainless Steel.
Motor Shaft	:	Fully Stainless steel AISI 410.

PUMP

Pump Shaft	:	Fully Stainless Steel AISI 410
Suction Housing	:	Cast Iron FG 200 grade.
Impeller	:	Stainless Steel AISI 410
Diffuser	:	Cast Iron FG 200 grade.
Sleeve	:	AISI 410 with hard chrome platting.

TECHNICAL SPECIFICATION

Head Range	:	9 to 120 meter
Discharge Range	:	600 to 1700 LPM
Motor Rating	:	3.0 HP to 25 HP in three phase 380V / 415 V, 50Hz, AC Supply 3.0 HP to 5.0 HP in single phase, 230V, 50Hz, AC Supply
Voltage Range	:	160V to 250V (1 Phase) 200V to 440V (3 Phase)

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NEXORIS GROUP

V-6 Motor to V7 Pump

S.S. Motor Body Dia 142 mm & Pump C.I. Bowl With S.S.-410 Impeller
Suitable for Bore Dia 200mm. (Three Phase 415V, 50 HZ, 2880 RPM)

TURBO Model Available



Max. Head Per Stage : 55' Feet (17 Meter) — **Outlet (NRV) : 3"(75 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM						
			LPM	450	650	750	850	950	1000	1050
7CM-25/2	5.0	2	Head in Meters	29	27	25	22	20	19	16
7CM-25/3	7.5	3		44	41	38	33	30	29	24
7CM-25/4	10.0	4		58	54	50	44	40	38	32
7CM-25/5	12.5	5		73	68	63	55	50	48	40
7CM-25/6	15.0	6		87	81	75	66	60	57	48
7CM-25/7	17.5	7		102	95	88	77	70	67	56
7CM-25/8	20.0	8		116	108	100	88	80	76	64
7CM-25/10	25.0	10		145	135	125	110	100	95	80

Max. Head Per Stage : 60' Feet (18 Meter) — **Outlet (NRV) : 4"(100 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM						
			LPM	650	750	900	1000	1080	1150	1250
7CM-30/2	6.0	2	Head in Meters	29	26	24	22	20	18	16
7CM-30/3	10.0	3		44	39	36	33	30	27	24
7CM-30/4	12.5	4		58	52	48	44	40	36	32
7CM-30/5	15.0	5		73	65	60	55	50	45	40
7CM-30/6	17.5	6		87	78	72	66	60	54	48
7CM-30/7	20.0	7		102	91	84	77	70	63	56
7CM-30/8	25.0	8		116	104	96	88	80	72	64

Max. Head Per Stage : 65' Feet (20 Meter) — **Outlet (NRV) : 4"(100 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM						
			LPM	750	960	1050	1120	1240	1340	1400
7CM-40/2	7.5	2	Head in Meters	29	26	24	22	20	18	16
7CM-40/3	12.5	3		44	39	36	33	30	27	24
7CM-40/4	15.0	4		58	52	48	44	40	36	32
7CM-40/5	20.0	5		73	65	60	55	50	45	40
7CM-40/6	25.0	6		87	78	72	66	60	54	48

Max. Head Per Stage : 65' Feet (20 Meter) — **Outlet (NRV) : 4"(100 MM)**

MODEL	H.P.	STAGE	DISCHARGE IN LPM						
			LPM	1020	1180	1260	1300	1450	1540	1600
7CM-50/1	5.0	1	Head in Meters	15	13	12	11	10	9	8
7CM-50/2	10.0	2		29	26	24	22	20	18	16
7CM-50/3	15.0	3		44	39	36	33	30	27	24
7CM-50/4	20.0	4		58	52	48	44	40	36	32
7CM-50/5	25.0	5		73	65	60	55	50	45	40

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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V-7 Horizontal Openwell

S.S. Motor Body
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2880 RPM)

MODEL	H.P.	Suc. X Del. Size in inch	TOTAL HEAD IN METERS													
			DISCHARGE IN LPM													
			6	8	10	12	14	16	18	20	22	24	26	28	30	32
CMSS-05/25	0.5	1" X 1"	140	120	100	90	70	50	30	–	–	–	–	–	–	–
CMSS-10/25	1.0	1" X 1"	–	–	250	220	200	180	160	140	110	90	50	–	–	–
CMSS-15/40	1.5	1.5" X 1.5"	–	–	380	360	340	320	290	250	200	150	60	–	–	–
CMSS-20/50	2.0	2" X 2"	–	–	–	480	450	420	380	340	270	220	130	–	–	–
CMSS-30/50	3.0	2.5" X 2"	–	–	635	610	530	500	480	450	380	340	250	160	80	–
CMSS-50/50	5.0	2.5" X 2"	–	–	–	720	680	640	590	530	470	420	370	290	190	80

V-7 Horizontal Openwell

C.I. Motor Body
(Single Phase 220 V, Three Phase 415V, 50 HZ, 2880 RPM)

MODEL	H.P.	Suc. X Del. Size in inch	TOTAL HEAD IN METERS													
			DISCHARGE IN LPM													
			6	8	10	12	14	16	18	20	22	24	26	28	30	32
CMCI-20/50	2.0	2" X 2"	–	–	–	480	450	420	380	340	270	220	130	–	–	–
CMCI-30/50	3.0	2.5" X 2"	–	–	635	610	530	500	480	450	380	340	250	160	80	–
CMCI-50/50	5.0	2.5" X 2"	–	–	–	720	680	640	590	530	470	420	370	290	190	80

V-9 Horizontal Openwell

S.S. Motor Body
(Three Phase 415V, 50 HZ, 2880 RPM)

PREMIUM MODEL

MODEL	H.P.	Suc. X Del. Size in inch	TOTAL HEAD IN METERS																		
			DISCHARGE IN LPM																		
			13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49
CM-317	3.0	2.5"X2.5"	680	650	600	480	450	310	180	–	–	–	–	–	–	–	–	–	–	–	–
CM-325	3.0	2.5"X2.0"	–	–	520	500	480	450	380	320	210	–	–	–	–	–	–	–	–	–	–
CM-523	5.0	2.5"X2.5"	1080	980	920	860	800	720	660	540	490	400	–	–	–	–	–	–	–	–	–
CM-531	5.0	2.5"X2.0"	–	750	730	715	700	670	630	600	550	510	490	440	370	280	190	–	–	–	–
CM-627	6.5	2.5"X2.5"	–	–	1060	1020	950	880	830	760	680	560	560	400	–	–	–	–	–	–	–
CM-735	7.5	2.5"X2.5"	–	–	–	1150	1080	1050	1000	940	880	820	750	680	570	450	300	–	–	–	–
CM-743	7.5	2.5"X2.0"	–	–	–	780	760	740	720	700	680	650	630	610	590	550	530	500	470	380	250
CM-1041	10.0	2.5"X2.5"	–	–	–	1400	1340	1290	1240	1190	1140	1080	1030	950	900	820	710	630	540	450	400

V-9 SS Horizontal Openwell



Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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V-9 Horizontal Openwell

C.I. Motor Body
(Three Phase 415V, 50 HZ, 2880 RPM)

PREMIUM MODEL

MODEL	H.P.	Suc. X Del. Size in inch	TOTAL HEAD IN METERS														
DISCHARGE IN LPM			10	13	16	19	22	25	28	31	34	37	40	43	46	49	52
CMCI-531	5.0	2.5"X2.0"	–	680	650	620	600	580	540	490	410	350	100	–	–	–	–
CMCI-522	5.0	3.0"X2.5"	1030	990	930	860	770	610	470	–	–	–	–	–	–	–	–
CMCI-519	5.0	3.0"X3.0"	1180	1080	980	930	790	660	480	250	–	–	–	–	–	–	–
CMCI-513	5.0	4.0"X4.0"	1300	1100	770	300	–	–	–	–	–	–	–	–	–	–	–
CMCI-740	7.5	2.5"X2.0"	–	–	–	–	900	880	840	800	730	680	620	500	390	200	–
CMCI-734	7.5	3.0"X2.5"	–	1200	1170	1100	1060	1080	920	860	730	560	240	–	–	–	–
CMCI-722	7.5	3.0"X3.0"	1300	1270	1240	1170	1120	1080	960	800	680	520	–	–	–	–	–
CMCI-719	7.5	4.0"X4.0"	2050	1890	1730	1450	1190	650	–	–	–	–	–	–	–	–	–
CMCI-716	7.5	5.0"X5.0"	2430	2170	1880	1600	1250	–	–	–	–	–	–	–	–	–	–
CMCI-1043	10.0	2.5"X2.0"	–	–	–	–	940	920	900	870	840	800	750	680	630	550	360
CMCI-1037	10.0	2.5"X2.5"	–	–	–	1180	1140	1110	1050	1030	970	900	840	730	600	350	–
CMCI-1025	10.0	3.0"X3.0"	–	1300	1200	1180	1150	1100	1060	1000	980	900	810	710	560	–	–
CMCI-1022	10.0	4.0"X4.0"	2260	2200	2100	1940	1700	1560	1370	1100	650	–	–	–	–	–	–
CMCI-1019	10.0	5.0"X5.0"	2800	2580	2400	2200	1850	1580	1000	–	–	–	–	–	–	–	–

MODEL	H.P.	Suc. X Del. Size in inch	TOTAL HEAD IN METERS														
DISCHARGE IN LPM			34	38	42	46	50	54	58	62	66	70	74	78	82	86	89
CMCI-1250	12.5	2.5"X2.0"	740	710	690	680	670	660	590	530	400	–	–	–	–	–	–
CMCI-1246	12.5	2.5"X2.5"	1140	1050	980	860	780	560	400	–	–	–	–	–	–	–	–
CMCI-1238	12.5	3.0"X3.0"	1300	1180	1050	860	600	250	–	–	–	–	–	–	–	–	–
CMCI-1558	15.0	2.5"X2.0"	–	750	730	700	690	670	660	640	620	570	430	150	–	–	–
CMCI-1550	15.0	2.5"X2.5"	1060	1000	990	980	970	910	480	260	–	–	–	–	–	–	–
CMCI-1542	15.0	3.0"X3.0"	1350	1250	1050	970	830	650	360	–	–	–	–	–	–	–	–
CMCI-2066	20.0	3.0"X2.5"	–	–	–	940	920	900	880	870	860	840	770	450	–	–	–
CMCI-2054	20.0	3.0"X3.0"	–	1380	1330	1310	1300	1250	1100	980	380	–	–	–	–	–	–
CMCI-2570	25.0	3.0"X2.5"	–	–	–	940	930	920	910	900	890	885	880	850	830	750	550
CMCI-2562	25.0	3.0"X3.0"	–	1450	1400	1370	1360	1350	1340	1310	1150	1050	850	450	–	–	–

MODEL	H.P.	Suc. X Del. Size in inch	TOTAL HEAD IN METERS														
DISCHARGE IN LPM			10	12	15	18	21	24	27	30	33	36	39	42	45	48	51
CMCI-1227	12.5	4.0"X4.0"	–	–	2400	2150	1970	1750	1550	1250	850	480	–	–	–	–	–
CMCI-1218	12.5	5.0"X5.0"	3050	2850	2600	2420	1970	1700	1300	–	–	–	–	–	–	–	–
CMCI-1530	15.0	4.0"X4.0"	–	–	2460	2310	2230	2100	1880	1600	1300	1050	600	–	–	–	–
CMCI-1521	15.0	5.0"X5.0"	3100	3050	2850	2700	2500	2200	1850	1400	800	–	–	–	–	–	–
CMCI-2033	20.0	4.0"X4.0"	–	–	–	–	2800	2600	2300	2150	2000	1900	1750	1350	700	–	–
CMCI-2030	20.0	5.0"X5.0"	–	3250	3200	3150	3090	3000	2800	2450	2000	1700	850	–	–	–	–
CMCI-2542	25.0	4.0"X4.0"	–	–	–	–	–	2750	2650	2550	2400	2300	2100	1900	1800	1370	740
CMCI-2536	25.0	5.0"X5.0"	–	3300	3250	3200	3150	3120	3090	3000	2800	2450	2000	1700	850	–	–
CMCI-2524	25.0	6.0"X6.0"	–	5100	4600	4400	4000	3800	3200	2500	1600	–	–	–	–	–	–

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

Note : 30HP, 40HP, 50HP, 60HP Openwell Also Available

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GENERAL SPECIFICATION

PRESSURE			POWER			HEAD			DISCHARGE		
1 Atmosphere	=	1.033 kg / cm^2	1 H.P. (Si)	=	0.746 kw	1 mts.	=	3.28 ft.	1 Lmp Gallon	=	4.546 Ltrs.
1 Atmosphere	=	14.7 lb / $inch^2$		=	746 watts	1 ft.	=	0.3048 m	1 US Gallon	=	3.785 Ltrs.
1 Atmosphere	=	10.34 mwc	1 H.P. (Metric)	=	0.736 kw	1 kg / cm^2	=	10 mtrs	1 Cum	=	1000 Ltrs.
1 lb / inch2	=	0.704 mwc		=	736 watts				1 Cu ft	=	28.32 Ltrs.
1 lb / inch2	=	2.13 ft. Wc	1 kw	=	1000 watts				1 m3 / hr	=	16.67 Lpm.
									1 m3 / Sec	=	60000 Lpm.
									1 Lit / Sec	=	60 Lpm.

SINGLE PHASE SUB. PUMP SET CAPACITOR AND CABLE SELECTION CHART

HP	Approx Power Consumption Unit per Hour (Kw/H)	Voltage Range in Running	Required Run Capacitor MFD	Start Capacitor MFD	Average Amp. @ 220 V	Required 3-Core Copper Flat Cable (Sq.mm)
0.50	0.9	220 - 180	36	120 / 150	5.0 - 5.5	1.5
		170 - 140	50			1.5
0.75	1.2	220 - 180	36	120 / 150	5.5 - 6.0	1.5
		170 - 140	50			1.5
1.00	1.5	220 - 180	50	120 / 150	7.0 - 8.0	1.5
		170 - 140	60			2.5
1.50	2.1	220 - 180	60	150 / 200	9.5 - 11.5	2.5
		170 - 140	60+25			2.5
2.00	2.7	220 - 180	85	200 / 250	12.0 - 14.5	2.5
		170 - 140	85+25			4.0
3.00	3.5	220 - 180	50+50	200 / 250	16.0 - 21.0	4.0
		170 - 140	50+50+25			6.0
5.00	5.1	220 - 180	50+50+50	200 / 250	22.0 - 30.0	6.0
		170 - 140	72+50+50			6.0

V-6 SUBMERSIBLE PUMP SET 3 PHASE 415 V, 50 Hz POWER CONSUMPTION UNIT / HOUR (Kw/h)

H.P.	3	4	5	6	7.5	10	12.5	15	17.5	20	25
Ave. AMP @ 415 V	6.5	8.5	10	12	14.5	19.5	25	29	34	39	48
Approx. Power Consumption in Kw/h	3.2	4.2	5.1	6.2	7.5	9.7	12	14.5	16.5	18.5	22.7

Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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SUBMERSIBLE PUMP SET CABLE SELECTION CHART THREE PHASE 415 V, 50 Hz

LENGTH IN METERS

HP	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500
3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	6.0
4.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	10.0	10.0
5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	6.0	10.0	10.0	10.0	10.0
6.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	6.0	6.0	10.0	10.0	10.0	10.0	16.0
7.5S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	4.0	4.0	6.0	6.0	10.0	10.0	10.0	16.0	16.0	16.0
7.5D	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	4.0	6.0	10.0	10.0	10.0
10.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	4.0	6.0	6.0	10.0	10.0	10.0	16.0
12.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	4.0	4.0	6.0	6.0	10.0	10.0	10.0	16.0	16.0	16.0
15.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	6.0	6.0	10.0	10.0	16.0	16.0	16.0	16.0
17.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	10.0	10.0	16.0	16.0	160.	25.0	25.0
20.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	10.0	10.0	16.0	16.0	25.0	25.0	25.0
25.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	10.0	10.0	16.0	16.0	25.0	25.0	25.0

SUBMERSIBLE PUMP SET CABLE SELECTION CHART SINGLE PHASE 220 V, 50 Hz

LENGTH IN METERS

HP	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500
0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4.0	4.0	6.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2.0	1.5	1.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	6.0	6.0	10.0	10.0	10.0	10.0	10.0	16.0	16.0	16.0	16.0	16.0
3.0	1.5	1.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	10.0	10.0	10.0	16.0	16.0	16.0	16.0	25.0	25.0	25.0	25.0	25.0
4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	10.0	10.0	16.0	16.0	16.0	16.0	25.0	25.0	25.0	35.0	35.0	35.0
5.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	10.0	10.0	10.0	16.0	16.0	25.0	25.0	25.0	35.0	35.0	35.0	35.0	35.0
7.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	10.0	10.0	10.0	16.0	16.0	25.0	25.0	25.0	35.0	35.0	35.0	35.0	35.0

APPROX. HEAD & DISCHARGE LOSS DUE TO VOLTAGE VARIATION

THREE PHASE

VOLTAGE	HEAD LOSS %	DISCHARGE LOSS %
415	NIL	NIL
350	2%	8%
300	10%	12%
250	17%	18%

SINGLE PHASE

VOLTAGE	HEAD LOSS %	DISCHARGE LOSS %
220	NIL	NIL
180	3%	8%
160	10%	18%

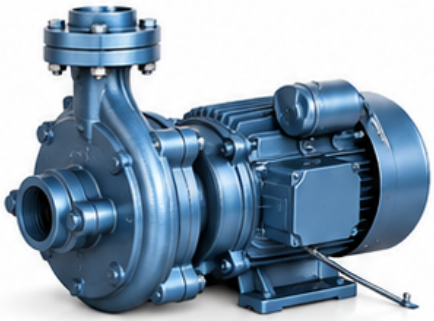
Note : Above all discharge are approx Pump set result (output) It may reduce due to pipe loss, Voltage & frequency drop.

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