

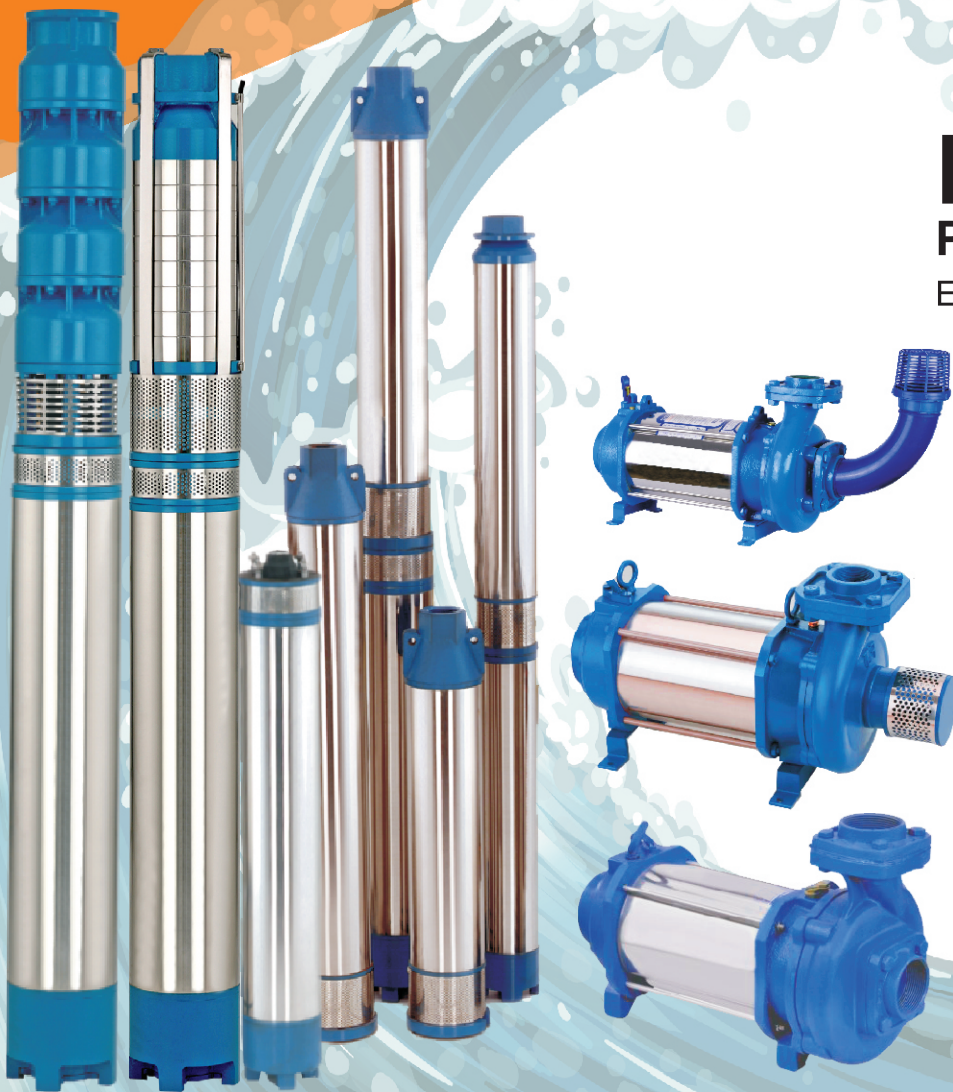


**PUMPS**

# Price List

Performance Chart

Effective From : 1 April 2018



**MADE IN INDIA - MAKE IN INDIA**



Founder & Promoter of **Prem Engineering Pvt. Ltd., Shri Narendrakumar C. Dave (Navinkaka)** has wide experience of over 60 years, with the endeavor of providing high quality products that combine performance with value pricing through continuous Research & Development & Services based on the needs of customers. The modest commencement progressed with time by time in different kind of products like Oil Engine, Spares, Electric Motors, Domestic Flour Mill Parts, tractor & Trolley as well as different kind of Forging & Machining components applicable to Automobile, Power & Agriculture sectors.

**Prem Engineering Pvt. Ltd.** Is manufacturer of Submersible Pumps Sets obtainable for different bore sizes like V-3 & V-4 (100mm), V-5 & V-6 (200mm), and Horizontal & Vertical Open well for various applications.

**Prem** with the efforts of well qualified & experienced team is highly conscious about quality using high class material resulting into the maximum utilization of products at affordable cost by the customer. We manufacture pumps in accordance with IS: 8034: 2002 with confirming to relevant BIS Standards.

Technical team of **Prem** is constantly engaged in development activities & Project Upgradation with the help of advance technology for improves efficiency, minimum maintenance, reduce running cost and easy installation. Motto of our technical team is excellent after sales services for customer satisfaction.

**Prem** submersible pump sets are designed & developed on the basis of real needs those demanded by customers of different geography for their diverse applications with ' Fit Once & Forget Forever ' . Our valued customers feedback are most welcome related to technical matter, function betterment, any special assistance required for installation, use, maintenance etc.

## WORTH OF **Prem** SUBMERSIBLE PUMP SET

### Material Construction

Stamping: Made from CRNO Grade imported sheet having high silicon.

Winding Wire: Made from EC grade 99.9% copper wire having high insulating capacity up to 5000 volt.

Copper Rod: Made from EC grade 99.9% copper.

Thrust Bearing Set: One segment from SS 304 grade and plate made from high grade Carbon having high head resisting capacity.

Motor Shaft: Made From SS 410,431

Bush: Lead Tin in bronze ( LTB-4 )

Bowl: Made from NORYL GFN2-701 Grade.

Motor Rotor: MicroFine Burnishing, Dynamically balanced with throughout grinding size and epoxy painted.

Pump & Motor Sleeve: Made from SS 410.

## APPLICATION

- Irrigation
- Domestic Water Supply installation
- Drinking water supply installations for cities & rural vicinity
- Service water supply installations for industries & commerce
- Water circulation system
- Mining Drainage
- Sprinkler Irrigation
- Fountains
- Gardening & nurseries etc.



## ❖ GENERAL TERMS & CONDITIONS

- This Price Catalog supersedes all our previous Price Catalog.
- Prices are Extra of GST All other local Levies etc will be charged extra as applicable.
- Packing & Forwarding, Handling & postage charges will be extra whichever is applicable.
- Prices are subject to change without any prior notice.
- Payment in advance, against delivery or documents through reputed Bank as the case may be with confirmed purchase order.
- Goods once sold will not be taken back or replaced/exchanged under any circumstances.
- Warranty period is of Twelve Months from the date of Invoice against manufacturing defects only.
- Warranty does not cover Electrical Components including Motor Windings & Capacitors.
- Recital outcome are being at 230 volts for single phase & 415 volts for three phases at 50Hz, depending upon site situation.
- Considering constant development, all technical information including descriptions, specifications, model, type etc. will be charged without any former notice.
- Subject to **RAJKOT JURISDICTION** ONLY.



**DIAGRAM FOR CABLE JOINTING**



**Submersible Pump Use in...**





## PUMPS



Manufactures & Exporters :



***PREM*** ENGINEERING PVT. LTD

**Manu. : Submersible Pumps Set & Openwell Pumps**

Plot No. 334, G.I.D.C., Aji Ind. Estate, Phase II, Rajkot - 360 003. (India)

Mobile / Whatsapp : +91-94268 05805 | Ph. : +91-281-2387164, 2387295

**E-mail :** [info@anilengines.com](mailto:info@anilengines.com)

**Website :** [www.anilengines.com](http://www.anilengines.com)

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## V-4 Slim 75 mm Ø Suitable for 100 mm Bore Dia.

### SUBMERSIBLE PUMP SET (S.S. BODY & NORYL BOWL SET)

Loading Per Stage 0.042 H.P.

Maximum Head Per Stage - 15 Feet (4.5 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel
				25 mm (1")	10	18	20	25	35	40	50		
3AP - 2/12	0.5	12	-	Head In Meters	48	42	40	36	30	24	12		
3AP - 2/18	0.75	18	-		72	63	58	54	45	36	18		
3AP - 2/23	1.0	23	-		92	80	75	69	57	46	23		
3AP - 2/28	1.5	28	-		112	98	91	84	70	56	28		
3AP - 2/40	2.0	40	-		160	140	133	120	100	80	40		

Loading Per Stage 0.055 H.P.

Maximum Head Per Stage - 15 Feet (4.5 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel
				25 mm (1")	18	27	30	35	45	50	60		
3AP - 4/9	0.5	9	-	Head In Meters	36	31	29	27	22	18	9		
3AP - 4/14	0.75	14	-		56	49	45	42	35	28	14		
3AP - 4/18	1.0	18	-		72	63	58	54	45	36	18		
3AP - 4/23	1.5	23	-		92	80	75	69	57	45	23		
3AP - 4/35	2.0	35	-		140	120	113	105	85	70	35		

Loading Per Stage 0.077 H.P.

Maximum Head Per Stage - 15 Feet (4.5 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel
				32 mm (1.25")	20	30	40	50	65	75	80		
3AP - 7/6	0.5	6	-	Head In Meters	27	24	21	18	15	12	6		
3AP - 7/10	0.75	10	-		45	40	35	30	25	20	10		
3AP - 7/13	1.0	13	-		58	52	45	39	32	26	13		
3AP - 7/16	1.5	16	-		72	64	56	48	40	32	16		





## V-4 96 MM Ø Suitable for 100 mm Bore Dia.

### SUBMERSIBLE PUMP SET (S.S. BODY & NORYL BOWL SET)

Loading Per Stage 0.055 H.P.  
Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV 25 mm (1")	Discharge in LPM							Single Phase Without Panel	Three Phase Without Panel
					15	25	30	35	45	50	60		
4AP - 1/10	0.5	10		Head In Meters	55	45	42	40	35	25	15		
4AP - 1/12	0.75	12			66	54	50	48	42	30	18		
4AP - 1/14	0.75	14			77	63	59	56	49	35	21		
4AP - 1/16	1.0	16			88	72	67	64	56	40	24		
4AP - 1/18	1.0	18			99	81	76	72	63	45	27		
4AP - 1/24	1.5	24			132	108	101	96	84	60	36		
4AP - 1/35	2.0	35			193	158	147	140	123	88	53		
4AP - 1/45	3.0	45			248	203	189	180	158	113	68		

Loading Per Stage 0.075 H.P.  
Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV 25 mm (1")	Discharge in LPM							Single Phase Without Panel	Three Phase Without Panel
					20	35	40	45	55	65	70		
4AP - 2/7	0.5	7		Head In Meters	39	35	32	28	21	14	7		
4AP - 2/10	0.75	10			55	50	45	40	30	20	10		
4AP - 2/13	1.0	13			72	65	59	52	39	26	13		
4AP - 2/20	1.5	20			110	100	90	80	60	40	20		
4AP - 2/25	2.0	25			138	125	113	100	75	50	25		
4AP - 2/30	2.0	30			165	150	135	120	90	60	30		
4AP - 2/35	3.0	35			193	175	158	140	105	70	35		
4AP - 2/50	5.0	50			275	250	225	200	150	100	50		

Loading Per Stage 0.1 H.P.  
Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV 32 mm (1.25")	Discharge in LPM							Single Phase Without Panel	Three Phase Without Panel
					35	45	55	65	80	95	110		
4AP - 4/5	0.5	5		Head In Meters	28	25	23	20	15	10	5		
4AP - 4/8	0.75	8			44	40	36	32	24	16	8		
4AP - 4/10	1.0	10			55	50	45	40	30	20	10		
4AP - 4/15	1.5	15			83	75	68	60	45	30	15		
4AP - 4/20	2.0	20			110	100	90	80	60	40	20		
4AP - 4/28	3.0	28			155	140	126	112	84	56	28		
4AP - 4/42	5.0	42			232	210	189	168	126	84	42		





## V-4 96 MM Ø Suitable for 100 mm Bore Dia.

### SUBMERSIBLE PUMP SET (S.S. BODY & NORYL BOWL SET)

Loading Per Stage 0.125 H.P.

Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel	Three Phase Without Panel
				32 mm (1.25")	30	55	75	90	110	120	140			
4AP - 5/6	0.75	6		Head In Meters	33	30	27	24	18	12	6			
4AP - 5/8	1.0	8			44	40	36	32	24	16	8			
4AP - 5/12	1.5	12			66	60	54	48	36	24	12			
4AP - 5/16	2.0	16			88	80	72	64	48	32	16			
4AP - 5/24	3.0	24			132	120	108	96	72	48	24			
4AP - 5/35	5.0	35			193	175	158	140	105	70	36			

Loading Per Stage 0.150 H.P.

Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel	Three Phase Without Panel
				40 mm (1.5")	45	70	90	110	130	150	165			
4AP - 7/5	0.75	5		Head In Meters	27	25	22	20	15	10	5			
4AP - 7/7	1.0	7			38	35	31	28	21	14	7			
4AP - 7/10	1.5	10			55	50	45	40	30	20	10			
4AP - 7/14	2.0	14			77	70	63	56	42	28	14			
4AP - 7/20	3.0	20			110	100	90	80	60	40	20			
4AP - 7/30	5.0	30			165	150	135	120	90	60	30			

Loading Per Stage 0.2 H.P. 20 Feet Head

Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel	Three Phase Without Panel
				50 mm (2")	70	100	120	135	160	175	185			
4AP - 10/5	1.0	5		Head In Meters	27	25	22	20	15	10	5			
4AP - 10/8	1.5	8			44	40	36	32	24	16	8			
4AP - 10/10	2.0	10			55	50	45	40	30	20	10			
4AP - 10/15	3.0	15			82	75	67	60	45	30	15			
4AP - 10/23	5.0	23			126	115	103	92	69	46	23			







## V-4 96 MM Ø Suitable for 100 mm Bore Dia.

### SUBMERSIBLE PUMP SET (S.S. BODY & NORYL BOWL SET)

Loading Per Stage 0.250 H.P.  
Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel	Three Phase Without Panel
				50 mm (2")	50	100	130	150	175	200	235			
4AP - 12/6	1.5	6		Head In Meters	33	30	27	24	21	15	10			
4AP - 12/8	2.0	8			44	40	36	32	28	20	12			
4AP - 12/11	3.0	11			60	50	50	44	38	27	18			
4AP - 12/18	5.0	18			100	90	81	72	63	45	27			

Loading Per Stage 0.550 H.P.  
Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel	Three Phase Without Panel
				50 mm (2")	60	20	160	220	250	350	380			
4AP - 18/6	2.0	6		Head In Meters	29	27	24	21	18	12	10			
4AP - 18/8	3.0	8			38	36	32	28	24	16	12			
4AP - 18/14	5.0	14			67	63	56	50	33	28	21			

## V-4 HIGH HEAD SERIES

Loading Per Stage 0.250 H.P.  
Maximum Head Per Stage - 20 Feet (6 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM								Single Phase Without Panel	Three Phase Without Panel
				25 mm (1")	10	20	30	45	50	60	75			
4AP (H)2/30	3.0	30		Head In Meters	210	180	15	120	90	60	30			
4AP (H)2/50	5.0	50			350	300	250	200	150	100	50			
4AP (H)3/40	5.0	40			280	260	240	210	160	80	40			





**V-6 K Type 142 MM Ø Suitable for 150 mm Bore Dia. (S.S. Bowl 50 Feet Head)  
SUBMERSIBLE PUMP SET (S.S. BODY & S.S. PUMP WITH S.S. IMPELLER)**

Loading Per Stage 0.5 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Per Set
				50 mm (2")	40	80	90	110	135	160	190		
6AP - 50/6	3.0	6		Head In Meters	84	78	73	69	60	48	33		
6AP - 50/8	4.0	8			112	104	97	92	80	64	44		
6AP - 50/10	5.0	10			140	130	122	115	100	80	55		
6AP - 50/12	6.0	12			168	156	146	138	120	96	66		
6AP - 50/15	7.5	15			210	195	183	172	150	20	82		
6AP - 50/20	10.0	20			280	260	244	230	200	160	110		
6AP - 50/25	12.5	25			350	325	305	287	250	200	137		

Loading Per Stage 0.6 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Per Set
				50 mm (2")	60	110	130	150	170	190	225		
6AP - 60/5	3.0	5		Head In Meters	75	70	65	60	52	40	30		
6AP - 60/7	4.0	7			105	98	92	84	72	56	40		
6AP - 60/8	5.0	8			120	112	105	96	82	65	45		
6AP - 60/10	6.0	10			150	140	130	120	102	82	57		
6AP - 60/12	7.5	12			180	166	157	144	123	98	68		
6AP - 60/16	10.0	16			240	224	208	192	164	128	90		
6AP - 60/20	12.5	20			300	280	262	240	205	160	114		
6AP - 60/24	15.0	24			360	335	312	288	246	194	135		
6AP - 60/27	17.5	22			405	378	350	324	275	215	150		
6AP - 60/30	20.0	30			450	415	390	360	308	220	170		

Loading Per Stage 0.8 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Per Set
				50 mm (2")	70	130	160	200	220	270	300		
6AP - 80/4	3.0	4		Head In Meters	60	56	52	48	39	30	22		
6AP - 80/5	4.0	5			75	70	65	60	48	38	26		
6AP - 80/6	5.0	6			90	84	78	72	58	45	32		
6AP - 80/8	6.0	8			120	112	104	96	78	60	42		
6AP - 80/10	7.5	10			150	140	130	120	96	75	54		
6AP - 80/12	10.0	12			180	166	156	144	116	90	64		
6AP - 80/15	12.5	15			225	210	195	180	145	112	80		
6AP - 80/18	15.0	18			270	250	234	216	175	135	96		
6AP - 80/22	17.5	22			330	308	286	264	211	165	118		
6AP - 80/25	20.0	25			375	350	325	300	240	187	135		

Loading Per Stage 1 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Per Set
				65 mm (2.5")	80	100	200	250	310	350	400		
6AP - 100/3	3.0	3		Head In Meters	45	42	39	36	30	24	15		
6AP - 100/4	4.0	4			60	56	52	48	40	32	20		
6AP - 100/5	5.0	5			75	70	65	60	50	40	24		
6AP - 100/6	6.0	6			90	84	78	72	60	48	28		
6AP - 100/8	7.5	8			120	112	104	96	80	62	40		
6AP - 100/10	10.0	10			150	140	130	120	100	80	48		
6AP - 100/12	12.5	12			180	168	156	144	120	96	58		
6AP - 100/15	15.0	15			225	210	195	180	150	120	72		
6AP - 100/18	17.5	18			270	252	234	216	180	144	87		
6AP - 100/20	20.0	20			300	280	260	240	200	160	396		
6AP - 100/25	25.0	25		375	350	325	300	250	200	50			





**V-6 K Type 142 MM Ø Suitable for 150 mm Bore Dia. (S.S. Bowl 50 Feet Head)  
SUBMERSIBLE PUMP SET (S.S. BODY & S.S. PUMP WITH S.S. IMPELLER)**

Loading Per Stage 1.25 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV 65 mm (2.5")	Discharge in LPM								Only Pump	Three Phase Per Set
					110	230	280	340	410	460	520			
6AP-H 125/3	4.0	3		Head In Meters	45	42	40	36	30	24	16			
6AP-H 125/4	5.0	4			60	56	53	48	40	32	20			
6AP-H 125/5	6.0	5			75	70	66	60	50	40	25			
6AP-H 125/6	7.5	6			90	84	80	72	60	48	30			
6AP-H 125/8	10.0	8			120	112	106	96	80	64	40			
6AP-H 125/10	12.5	10			150	139	133	120	100	80	50			
6AP-H 125/12	15.0	12			180	168	160	144	120	96	60			
6AP-H 125/14	17.5	14			210	195	195	168	140	112	70			
6AP-H 125/16	20.0	16			240	224	212	192	160	128	80			
6AP-H 125/20	25.0	20			300	280	266	240	200	160	106			

Loading Per Stage 1.5 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV 65 mm (2.5")	Discharge in LPM								Only Pump	Three Phase Per Set
					120	300	360	400	500	550	650			
6AP-H 150/2	3.0	2		Head In Meters	30	28	26	24	18	15	10			
6AP-H 150/3	5.0	3			45	42	40	36	26	22	15			
6AP-H 150/4	6.0	4			60	56	52	48	36	29	20			
6AP-H 150/5	7.5	5			75	70	65	60	44	36	25			
6AP-H 150/7	10.0	7			105	98	90	84	62	50	35			
6AP-H 150/8	12.5	8			120	112	104	96	70	58	40			
6AP-H 150/10	15.0	10			150	140	130	120	88	72	50			
6AP-H 150/12	17.5	12			180	168	156	144	105	86	60			
6AP-H 150/13	20.0	13			195	182	170	156	115	94	65			
6AP-H 150/16	25.0	16			240	224	208	192	142	112	80			

Loading Per Stage 2.0 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV 65 mm (2.5")	Discharge in LPM								Only Pump	Three Phase Per Set
					135	380	410	530	600	700	820			
6AP-H 200/2	4.0	2		Head In Meters	30	28	26	24	20	15	8			
6AP-H 200/3	6.0	3			45	42	40	36	30	23	11			
6AP-H 200/4	7.5	4			60	56	53	48	40	30	15			
6AP-H 200/5	10.0	5			75	70	66	60	50	37	18			
6AP-H 200/6	12.5	6			90	84	80	72	60	45	22			
6AP-H 200/8	15.0	8			120	112	105	96	80	60	28			
6AP-H 200/9	17.5	9			135	126	118	108	90	66	32			
6AP-H 200/10	20.0	10			150	140	135	120	100	74	35			
6AP-H 200/12	25.0	12			180	168	155	144	120	90	42			





## V-6 K Type 142 MM Ø Suitable for 150 mm Bore Dia. C.I. Bowl 50 Feet Head

**SUBMERSIBLE PUMP SET (S.S. MOTOR BODY & C.I. PUMP BOWL & NYLON-6 IMPELLER WITH S.S. NECK RING)**

Loading Per Stage 0.6 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Per Set
				50 mm (2")	60	110	130	150	170	190	225		
6AP - 60/5	3.0	5		Head In Meters	75	70	65	60	52	40	30		
6AP - 60/7	4.0	7			105	98	92	84	72	56	40		
6AP - 60/8	5.0	8			120	112	105	96	82	65	45		
6AP - 60/10	6.0	10			150	140	130	120	102	82	57		
6AP - 60/12	7.5	12			180	166	157	144	123	98	68		
6AP - 60/16	10.0	16			240	224	208	192	164	128	90		
6AP - 60/20	12.5	20			300	280	262	240	205	160	114		

Loading Per Stage 0.8 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Without Panel
				50 mm (2")	70	130	160	200	220	270	300		
6AP - 80/4	3.0	4		Head In Meters	60	56	52	48	39	30	22		
6AP - 80/5	4.0	5			75	70	65	60	48	38	26		
6AP - 80/6	5.0	6			90	84	78	72	58	45	32		
6AP - 80/8	6.0	8			120	112	104	96	78	60	42		
6AP - 80/10	7.5	10			150	140	130	120	96	75	54		
6AP - 80/12	10.0	12			180	166	156	144	116	90	64		
6AP - 80/15	12.5	15			225	210	195	180	145	112	80		
6AP - 80/18	15.0	18			270	250	234	216	175	135	96		

Loading Per Stage 1.0 H.P. 50 Feet Head (15 Meter)

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Without Panel
				65 mm (2.5")	80	100	200	250	310	350	400		
6AP - 100/3	3.0	3		Head In Meters	45	42	39	36	30	24	15		
6AP - 100/4	4.0	4			60	56	52	48	40	32	20		
6AP - 100/5	5.0	5			75	70	65	60	50	40	24		
6AP - 100/6	6.0	6			90	84	78	72	60	48	28		
6AP - 100/8	7.5	8			120	112	104	96	80	62	40		
6AP - 100/10	10.0	10			150	140	130	120	100	80	48		
6AP - 100/12	12.5	12			180	168	156	144	120	96	58		
6AP - 100/15	15.0	15			225	210	195	180	150	120	72		
6AP - 100/18	17.5	18			270	252	234	216	180	144	87		
6AP - 100/20	20.0	20			300	280	260	240	200	160	96		





**V-6 K Type 142 MM Ø Suitable for 150 mm Bore Dia.  
C.I. Bowl 50 Feet Head**

**SUBMERSIBLE PUMP SET (S.S. MOTOR BODY & C.I. PUMP BOWL & NYLON-6 IMPELLER WITH S.S. NECK RING)  
Loading Per Stage 1.25 H.P. 50 Feet Head (15 Meter)**

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Without Panel
				65 mm (2.5")	110	230	280	340	410	460	520		
6AP H 125/3	4.0	3		Head In Meters	45	42	40	36	30	24	16		
6AP H 125/4	5.0	4			60	56	53	48	40	32	20		
6AP H 125/5	6.0	5			75	70	66	60	50	40	25		
6AP H 125/6	7.5	6			90	84	80	72	60	48	30		
6AP H 125/8	10.0	8			120	112	106	96	80	64	40		
6AP H 125/10	12.5	10			150	139	133	120	100	80	50		
6AP H 125/12	15.0	12			180	168	160	144	120	96	60		
6AP H 125/14	17.5	14			210	195	195	168	140	112	70		
6AP H 125/16	20.0	16			240	224	212	192	160	128	80		

**Loading Per Stage 1.5 H.P. 50 Feet Head (15 Meter)**

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Without Panel
				65 mm (2.5")	120	300	360	400	500	550	650		
6AP H 150/2	3.0	2		Head In Meters	30	28	26	24	18	15	10		
6AP H 150/3	5.0	3			45	42	40	36	26	22	15		
6AP H 150/4	6.0	4			60	56	52	48	36	29	20		
6AP H 150/5	7.5	5			75	70	65	60	44	36	25		
6AP H 150/7	10.0	7			105	98	90	84	62	50	35		
6AP H 150/8	12.5	8			120	112	104	96	70	58	40		
6AP H 150/10	15.0	10			150	140	130	120	88	72	50		
6AP H 150/12	17.5	12			180	168	156	144	105	86	60		
6AP H 150/13	20.0	13			195	182	170	156	115	94	65		

**Loading Per Stage 2 H.P. 50 Feet Head (15 Meter)**

Model No.	H.P.	Stage	ISI	NRV	Discharge in LPM							Only Pump	Three Phase Without Panel
				65 mm (2.5")	135	380	410	530	600	700	820		
6AP H 200/2	4.0	2		Head In Meters	30	28	26	24	20	15	8		
6AP H 200/3	6.0	3			45	42	40	36	30	23	11		
6AP H 200/4	7.5	4			60	56	53	48	40	30	15		
6AP H 200/5	10.0	5			75	70	66	60	50	37	18		
6AP H 200/6	12.5	6			90	84	80	72	60	45	22		
6AP H 200/8	15.0	8			120	112	105	96	80	60	28		
6AP H 200/9	17.5	9			135	126	118	108	90	66	32		
6AP H 200/10	20.0	10			150	140	135	120	100	74	35		





**V-6 Q Type 142 MM Ø Suitable for 150 mm Bore Dia.  
C. I. Bowl 33 Feet Head**

**SUBMERSIBLE PUMP SET (S.S. MOTOR BODY & C.I. PUMP BOWL WITH S.S. IMPELLER)**

Loading Per Stage 1 H.P. 33 Feet Head (10 Meter)

Model No.	H.P.	Stage	ISI	NRV 65 mm (2.5")	Discharge in LPM										Only Pump	Three Phase Per Set
					320	360	410	460	530	710	790	835	880			
6AP - 10/3	3.0	3		Head In Meters	25	23	22	19	19	10	7	5	2			
6AP - 10/4	4.0	4			33	31	29	25	25	13	9	6	2			
6AP - 10/5	5.0	5			41	39	37	31	31	17	12	8	3			
6AP - 10/6	6.0	6			49	47	44	37	37	20	14	9	3			
6AP - 10/8	7.5	8			66	62	58	50	50	26	18	12	4			
6AP - 10/10	10.0	10			82	78	73	62	62	33	23	15	5			
6AP - 10/12	12.5	12			98	94	88	74	74	40	28	18	5			
6AP - 10/15	15.0	15			123	117	110	93	93	50	35	23	8			
6AP - 10/17	17.5	17			139	133	124	105	105	56	39	26	9			
6AP - 10/20	20.0	20			164	156	146	124	124	66	46	30	10			

Loading Per Stage 1.25 H.P. 37 Feet Head (11.3 Meter)

Model No.	H.P.	Stage	ISI	NRV 65 mm (2.5")	Discharge in LPM										Only Pump	Three Phase Per Set
					300	410	440	490	550	610	650	725	880			
6AP - 12/3	4.0	3		Head In Meters	31	28	27	25	24	20	19	15	9			
6AP - 12/4	5.0	4			41	37	35	33	31	27	25	20	12			
6AP - 12/5	6.0	5			51	46	44	42	39	33	31	25	15			
6AP - 12/6	7.5	6			61	55	53	50	47	40	37	30	18			
6AP - 12/8	10.0	8			81	73	71	67	63	53	49	40	24			
6AP - 12/10	12.5	10			102	92	88	83	78	67	62	50	30			
6AP - 12/12	15.0	12			122	110	106	100	94	80	74	60	36			
6AP - 12/14	17.5	14			142	128	124	117	110	93	86	70	42			
6AP - 12/16	20.0	16			163	147	141	133	125	107	99	80	46			

Loading Per Stage 1.5 H.P. 39 Feet Head (12 Meter)

Model No.	H.P.	Stage	ISI	NRV 65 mm (2.5")	Discharge in LPM										Only Pump	Three Phase Per Set
					300	500	560	650	725	825	900	950	1000			
6AP - 15/3	5.0	3		Head In Meters	30	27	26	23	21	18	15	12	9			
6AP - 15/4	6.0	4			40	36	34	31	28	24	20	16	12			
6AP - 15/5	7.5	5			50	45	43	39	35	30	25	20	15			
6AP - 15/6	10.0	6			60	54	51	47	42	36	30	24	18			
6AP - 15/7	10.0	7			70	63	60	55	49	42	35	28	21			
6AP - 15/8	12.5	8			80	72	68	62	56	48	40	32	24			
6AP - 15/10	15.0	10			100	90	85	78	70	60	50	40	30			
6AP - 15/12	17.5	12			120	108	102	94	84	72	60	48	36			
6AP - 15/13	20.0	13			130	117	111	101	91	78	65	52	39			
6AP - 15/16	25.0	16			160	144	136	125	112	96	80	64	48			





**V-6 Q Type 142 MM Ø Suitable for 150 mm Bore Dia.  
C. I. Bowl 33 Feet Head**

**SUBMERSIBLE PUMP SET (S.S. MOTOR BODY & C.I. PUMP BOWL WITH S.S. IMPELLER)**

Loading Per Stage 2 H.P. 38 Feet Head (11.6 Meter)

Model No.	H.P.	Stage	ISI	NRV 75 mm (3")	Discharge in LPM								Only Pump	Three Phase Per Set	
					455	550	640	700	850	980	1100	1150			1250
6AP - 20/3	6.0	3		Head In Meters	32	30	29	27	24	21	18	15	9		
6AP - 20/4	7.5	4			42	40	38	36	32	28	24	20	12		
6AP - 20/5	10.0	5			53	50	48	45	40	35	30	25	15		
6AP - 20/6	12.5	6			64	60	58	54	48	42	36	30	18		
6AP - 20/7	15.0	7			74	70	67	63	56	49	42	35	21		
6AP - 20/8	17.5	8			85	80	77	72	64	56	48	40	24		
6AP - 20/10	20.0	10			106	100	96	90	80	70	60	50	30		
6AP - 20/12	25.0	12			127	120	115	108	96	84	72	60	36		

Loading Per Stage 2.5 H.P. 48 Feet Head (14.5 Meter)

Model No.	H.P.	Stage	ISI	NRV 75 mm (3")	Discharge in LPM								Only Pump	Three Phase Per Set	
					330	625	820	860	1050	1077	1220	1355			1460
6AP - 25/2	5.0	2		Head In Meters	27	22	21	20	17	16	13	10	7		
6AP - 25/3	7.5	3			40	33	31	30	26	24	20	15	10		
6AP - 25/4	10.0	4			53	44	41	40	35	33	27	20	13		
6AP - 25/5	12.5	5			67	55	52	50	43	42	33	25	17		
6AP - 25/6	15.0	6			80	66	62	60	52	50	40	30	20		
6AP - 25/7	17.5	7			93	77	72	70	61	58	47	35	23		
6AP - 25/8	20.0	8			107	88	83	80	69	67	53	40	27		
6AP - 25/10	25.0	10			133	110	103	100	87	83	67	50	33		





## S.S. Horizontal Openwell Pump Set (V-6 Body)

### Domestic Horizontal Openwell Submersible Pump Set (S.S. Modor Body)

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS													Single Phase	Three Phase	
				6	8	10	12	14	16	18	20	22	24	26	28	30			
AP-DH 05/25	0.5	25 x 25		Discharge in L.P.M	150	130	120	105	90	80	60	-	-	-	-	-	-		-
AP-DH 10/25	1.0	25 x 25			-	-	-	240	220	200	180	160	130	95	-	-	-		
AP-DH 15/25	1.5	25 x 25			-	-	-	-	270	280	250	230	200	170	120	-	-		
AP-DH 20/25	2.0	25 x 25			-	-	-	-	290	-	280	260	230	200	180	130	110		

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS													Single Phase	Three Phase	
				6	8	10	12	14	16	18	20	22	24	26	28	30			
AP-DH 10/38	1.0	38 x 38		Discharge in L.P.M	-	-	-	360	310	310	220	190	150	-	-	-	-		
AP-DH 15/38	1.5	38 x 38			-	-	-	-	320	320	280	230	200	130	-	-	-		
AP-DH 20/38	2.0	38 x 38			-	-	-	-	-	-	320	250	220	150	70	-	-		

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS													Single Phase	Three Phase	
				10	12	14	16	18	20	22	24	26	28	30	32	34			
AP-DH 15/50	1.5	50 x 50		Discharge in L.P.M	460	440	420	390	340	300	-	-	-	-	-	-	-		
AP-DH 20/50	2.0	50 x 50			-	480	460	430	400	370	320	280	200	140	80	-	-		
AP-DH 30/50H	3.0	50 x 50			470	460	450	440	430	400	370	320	280	220	150	-	-		
AP-DH 30/50	3.0	65 x 50			650	600	560	530	460	420	350	240	-	-	-	-	-		
AP-DH 50/50	5.0	65 x 50			780	760	720	660	600	550	500	400	260	200	-	-	-	-	







## S.S. Horizontal Openwell Pump Set (V-8 Body)

### Horizontal Openwell Submersible Pump Set (S.S. Modor Body)

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS														Three Phase
				12	15	18	21	24	27	30	33	36	39	42	45	48	51	
AP-H30/50	3.0	65 x 50		Discharge in L.P.M	550	500	480	400	350	250	150	-	-	-	-	-	-	
AP-H50/50	5.0	65 x 50			730	700	650	600	540	450	300	180	-	-	-	-	-	
AP-H50/50H	5.0	65 x 50			670	660	650	620	560	480	380	280	160	-	-	-	-	
AP-H60/50	6.0	65 x 50			-	750	700	680	640	550	480	400	210	120	-	-	-	
AP-H75/50	7.5	65 x 50			-	-	800	750	680	650	600	540	480	380	250	120	-	
AP-H100/50	10.0	65 x 50			-	-	-	-	700	680	650	600	560	520	470	400	330	240

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS														Three Phase
				12	15	18	21	24	27	30	32	34	36	38	40	42	44	
AP-H30/65	3.0	65 x 65		Discharge in L.P.M	800	650	500	240	150	-	-	-	-	-	-	-	-	
AP-H50/65	5.0	65 x 65			1050	950	870	720	570	330	200	-	-	-	-	-	-	
AP-H60/65	6.0	65 x 65			1250	1170	1100	950	770	680	500	350	225	-	-	-	-	
AP-H75/65	7.5	65 x 65			1250	1200	1100	1000	950	800	750	650	500	300	-	-	-	
AP-H100/65	10.0	65 x 65			1100	1000	1030	990	970	950	930	910	850	720	700	550	320	200

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS														Three Phase	
				10	12	14	16	18	20	22	24	26	28	30	32	34	36		
AP-H75/80	7.5	80 x 80		Discharge in L.P.M	1480	1450	1400	1300	1250	1200	1150	1000	900	700	400	320	-	-	
AP-H100/80	10.0	80 x 80			1550	1520	1480	1450	1400	1350	1320	1280	1250	1200	1150	820	680	-	
AP-H75/100	7.5	100 x 100			1700	1650	1620	1500	1200	900	870	500	300	-	-	-	-	-	
AP-H100/100	10.0	100 x 100			1900	1850	1790	1650	1500	1200	1000	700	700	400	270	-	-	-	





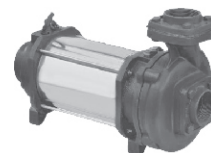
## C.I. Horizontal Openwell Pump Set (V-8 Body)

### Horizontal Openwell Submersible Pump Set (C.I. Modor Body)

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS														Three Phase
				12	15	18	21	24	27	30	33	36	39	42	45	48	51	
AP - H50/50	5.0	65 x 50	Discharge in L.P.M	730	700	650	600	540	450	300	180	-	-	-	-	-	-	
AP - H50/50H	5.0	65 x 50		670	660	650	620	560	480	380	280	160	-	-	-	-	-	
AP - H60/50	6.0	65 x 50		-	750	700	680	640	550	480	400	210	120	-	-	-	-	
AP - H75/50	7.5	65 x 50		-	-	800	750	680	650	600	540	480	380	250	120	-	-	
AP - H100/50	10.0	65 x 50		-	-	-	-	700	680	650	600	560	520	470	400	330	240	

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS														Three Phase
				12	15	18	21	24	27	30	32	34	36	38	40	42	44	
AP - H50/65	5.0	65 x 50	Discharge in L.P.M	1050	950	870	720	570	330	200	-	-	-	-	-	-		
AP - H60/65	6.0	65 x 50		1250	1170	1100	950	770	680	500	350	225	-	-	-	-		
AP - H75/65	7.5	65 x 50		1250	1200	1100	1000	950	800	750	650	500	300	-	-	-		
AP - H100/65	10.0	65 x 50		1100	1000	1030	990	970	950	930	910	850	720	700	550	320	200	

Model No.	H.P.	Suc X Dell Size mm	ISI	TOTAL HEAD IN METERS														Three Phase
				10	12	14	16	18	20	22	24	26	28	30	32	34	36	
AP - H75/80	7.5	80 x 80	Discharge in L.P.M	1480	1450	1400	1300	1250	1200	1150	1000	900	700	400	320	-	-	
AP - H100/80	10.0	80 x 80		1550	1520	1480	1450	1400	1350	1320	1280	1250	1200	1150	820	680	-	
AP - H75/100	7.5	100 x 100		1700	1650	1620	1500	1200	900	870	500	300	-	-	-	-	-	
AP - H100/100	10.0	100 x 100		1900	1850	1790	1650	1500	1200	1000	700	700	400	270	-	-	-	





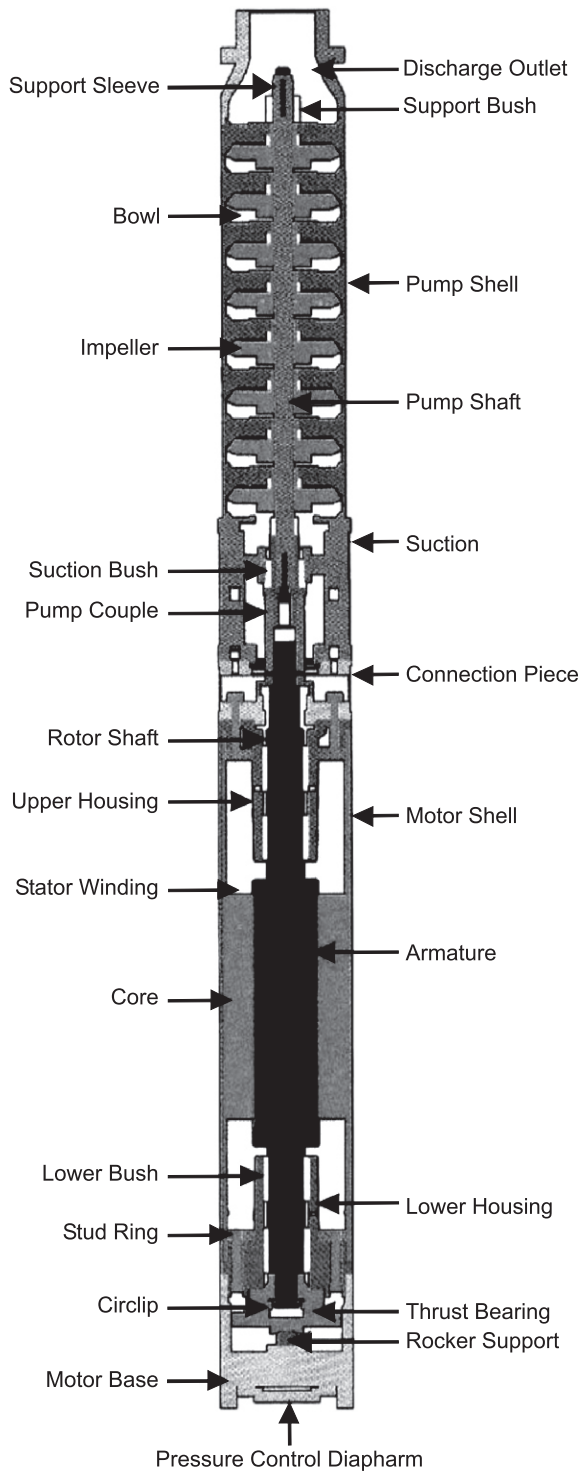
V-6 (Maxi. Dia 142 mm) Submersible Motor (S.S. Body)			V-4 Slim (Maxi. Dia 75 mm) Submersible Motor (S.S. Body)			V-4 (Maxi. Dia 96 mm) Submersible Motor (S.S. Body)			
Model No.	H.P.		Model No.	H.P.		Model No.	H.P.		
6AP - M30	3.0		3AP - M05	0.5		4AP-M05	0.5		
6AP - M40	4.0		3AP - M07	0.75		4AP-M07	0.75		
6AP - M50	5.0		3AP - M10	1.0		4AP-M10	1		
6AP - M60	6.0		3AP - M15	1.5		4AP-M15	1.5		
6AP - M75	7.5		3AP - M20	2.0		4AP-M20	2		
6AP - M100	10.0					4AP-M30	3		
6AP - M125	12.5					4AP-M50	5		
6AP - M150	15.0								
6AP - M175	17.5								
6AP - M200	20.0								
6AP - M250	25.0								

Single Phase Submersible Pump Set & Cable Selection Chart						
H.P.	0.50	0.75	1.00	1.50	2.00	3.00
Volatge	230 - To - 180	230 - To - 180	230 - To - 180	230 - To - 180	230 - To - 180	230 - To - 180
Start Capacitor	120 - To - 150	150 - To - 200	150 - To - 200	150 - To - 200	250 - To - 200	250 - To - 300
Run Capacitor	36	36	36 + 15	36 + 36	36 + 36	36 + 36 + 36
Cable Selection	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	2.5 Sq. mm	4.0 Sq. mm
Ampere	6.5 Amp.	6.5 Amp.	8 Amp.	12 Amp.	14 Amp.	20 Amp.
Voltage	170 - To - 230	170 - To - 230	170 - To - 230	170 - To - 230	170 - To - 230	170 - To - 230
Run Capasitor	36 + 15	36 + 15	36 + 36	36 + 36 + 15	36 + 36 + 36	36 + 36 + 36 + 15
Cable Selection	1.5 Sq. mm	1.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm	4.0 Sq. mm	6.0 Sq. mm
<b>Aprox. Power Consumpt on kw At Std. V</b>	<b>0.70 Unit/Hour</b>	<b>1.00 Unit/Hour</b>	<b>1.25 Unit/Hour</b>	<b>1.75 Unit/Hour</b>	<b>2.50 Unit/Hour</b>	<b>3.30 Unit/Hour</b>

GENREL SPECIFICATION			
PRESSURE	DISCHARGE	HEAD	POWER
1 Atmosphere = 1.033 Kg/Cm <sup>2</sup>	1 lpm Gallon = 4.546 Ltrs.	1 mt. = 3.28 ft.	1 H.P. (si) = 0.746 kw
1 Atmosphere = 14.7 lb/inch <sup>2</sup>	1 US Gallon = 3.785 Ltrs.	1 ft. = 0.3048 m	= 746 watts
1 Atmosphere = 10.34 mwc	1 Cum = 1000 Ltrs.	1kg / cm <sup>3</sup> = 10 mtrs.	1 H.P. (metric) = 0.736 kw
1lb / inch <sup>2</sup> = 0.704 mwc	1 Cu ft. = 28.32 Ltrs.		=736 watts
1 lb / inch <sup>2</sup> = 2.31 ft. wc	1m <sup>3</sup> / hr = 16.67 Lpm.		1 Kw = 1000 Watts
	1m <sup>3</sup> / hr = 60000 Lpm.		
	1 Lit / Sec = 60 Lpm.		



## STRUCTURE OF SUBMERSIBLE PUMP SET



## SPARES



To, \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Manufactures & Exporters :**

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**ENGINEERING PVT. LTD**

**Plot No. 334, G.I.D.C., Aji Ind. Estate, Phase II,  
Rajkot - 360 003. (India)**

**Mobile / Whatsapp : +91-94268 05805**

**Ph. : +91-281-2387164, 2387295**

**E-mail : [info@anilengines.com](mailto:info@anilengines.com)**

**Website : [www.anilengines.com](http://www.anilengines.com)**

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