C.R.I. PUMPS

Pumping trust... Worldwide.

TINY PUMPS..
TIDY PERFORMANCE...

- Double VPI Technology
- F-Class Insulation
- High Operating Efficiency
- Wide Voltage Operation

TINY PUMPSET | PERFORMANCE CATALOGUE

VISION, MISSION AND VALUES

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of

Commitment, Reliability and Innovation.

ABOUT C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.

60+
Years of **Engineering Expertise**

120+
Countries have our strong **global presence**

21+
Manufacturing Units around the World

30000+
Outlets to serve our Customers

10000+
Products for various applications

1500+
Service Centres to support our Customers

22 Times
EEPC Award Winner for **Export Excellence**

8 Times
NEC Award Winner for **Energy Savings**

Fludyn Advanced Technology Centre.
Recognized by Ministry of Science & Technology, Govt. of India.

C.R.I. PIPES C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

C.R.I. WIRES & CABLES C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

C.R.I. SOLAR PUMPING SYSTEM C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.

Mini Selfpriming Monoblock Pumpset - GLAD | GLAD PRO | ELSA | ELSA PRO | MIKI | SHINE | ROYALE | ROYALE PRIDE | ROYALE PRO | ELSA MAX Series

C.R.I. Selfpriming monoblock pumpsets are power-driven by a totally enclosed fan cooled AC induction two pole motor, suitable for continuous duty. Motor stator is made of low watt loss silicon laminations assembled under pressure and rigidly locked in the frame. The windings are of high - grade enameled copper wire and are varnish impregnated. Pumps volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics.

SALIENT FEATURES

- Double VPI technology • F-Class insulation prevents from overheating
- Quick suction lifting characteristics • Precise design ensures minimum noise level
- In-built thermal overload protector.

APPLICATIONS

- Domestic • Small garden • Pressure boosting • Construction curing
- RO Feeder • House watering systems.

SPECIFICATIONS	GLAD / GLAD PRO / ELSA / ELSA PRO / MIKI / SHINE / ROYALE / ROYALE PRIDE / ROYALE PRO / ELSA MAX
Power range	0.37kW - 1.1kW (0.5HP - 1.5HP)
Speed	2880 RPM
Versions	Single Phase 220-240 V, 50 Hz AC supply
Maximum total head	60 Metre
Maximum flow rate	4290 LPH (4.2 m^3/hr)
Maximum suction lift	8 Metre
Nominal size (suction x delivery)	15x15 & 25x25 mm

PERFORMANCE CHART | MINI SELFPRIMING MONOBLOCK PUMPSET - GLAD, GLAD PRO, ELSA Series

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet							
						6	8	10	12	15	18	21	25
						20	26	33	39	49	59	69	82
						Discharge in LPH							
GLAD 50	0.37	0.5	SELF PRIMING	25 X 25	8	2040	1720	1620	1460	1210	900	560	
GLAD 100	0.75	1	SELF PRIMING	25 X 25	8	2625	2415	2255	1920	1600	1365	1035	530

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet							
						6	8	10	12	15	18	21	25
						20	26	33	39	49	59	69	82
						Discharge in LPH							
GLAD PRO 50	0.37	0.5	SELF PRIMING	25 X 25	8	2050	1800	1725	1550	1270	960	670	
GLAD PRO 100	0.75	1	SELF PRIMING	25 X 25	8	2660	2490	2280	2060	1725	1390	1070	560

Pro denoted models are copper-coated windings

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet										
						6	8	10	12	15	18	21	25	28	30	32
						20	26	33	39	49	59	69	82	91	98	104
						Discharge in LPH										
ELSA 50	0.37	0.5	SELF PRIMING	25x25	8	2095	1920	1750	1610	1400	1155	925	685	430		
ELSA 51	0.37	0.5	SELF PRIMING	25x25	8	1975	1780	1625	1490	1280	1030	915	480	240		
ELSA 100	0.75	1	SELF PRIMING	25x25	8	2965	2730	2520	2330	2050	1755	1410	950	615	300	
ELSA 101	0.75	1	SELF PRIMING	25x25	8	3140	3065	2875	2700	2440	2190	1845	1440	1110	815	520
ELSA 102	0.75	1	SELF PRIMING	25x25	8	3000	2780	2520	2320	1980	1610	1320	860	430	215	

PERFORMANCE CHART

MINI SELFPRIMING MONOBLOCK PUMPSET - ELSA PRO, MIKI, SHINE Series

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet											
						6	8	10	12	15	18	21	25	28	30	32	35
						20	26	33	39	49	59	69	82	91	98	104	115
						Discharge in LPH											
ELSA PRO 51	0.37	0.5	SELF PRIMING	25x25	8	1975	1780	1625	1490	1280	1030	915	480	240			
ELSA PRO 54	0.37	0.5	SELF PRIMING	25x25	8	1985	1795	1625	1475	1250	1050	815	430				
ELSA PRO 102	0.75	1	SELF PRIMING	25x25	8	3000	2780	2520	2320	1980	1610	1320	860	430	215		
ELSA PRO 104	0.75	1	SELF PRIMING	25x25	8	2990	2760	2585	2385	2150	1910	1690	1440	1245	1080	930	685

Pro denoted models are copper-coated windings

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet										
						6	8	10	12	15	18	21	25	28	30	35
						20	26	33	39	49	59	69	82	92	98	115
						Discharge in LPH										
MIKI 50	0.37	0.5	SELF PRIMING	25x25	8	2100	1928	1802	1557	1372	1030	824	600	250		
MIKI 100	0.75	1	SELF PRIMING	25x25	8	3340	3186	3060	2916	2700	2412	2160	1872	1638	1404	830

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet											
						6	8	10	12	15	18	21	25	26	28	30	32
						20	26	33	39	49	59	69	82	85	92	98	104
						Discharge in LPH											
MIKI 50 C	0.37	0.5	SELF PRIMING	25x25	8	2150	2060	1860	1650	1440	1260	1030	780	550	300		
MIKI 55 C	0.37	0.5	SELF PRIMING	25x25	8	2826	2600	2400	2221	1950	1668	1340	905	583	285		
MIKI 100 C	0.75	1.0	SELF PRIMING	25x25	8	3140	3065	2875	2700	2440	2190	1845	1440	1300	1110	815	520

C : Cast Iron Motor Body

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet								
						6	8	10	12	15	18	21	25	30
						20	26	33	39	49	59	69	82	98
						Discharge in LPH								
SHINE 50	0.37	0.5	SELF PRIMING	25x25	8	2088	2000	1800	1600	1400	1220	1000	760	
SHINE 100	0.75	1	SELF PRIMING	25x25	8	3050	2850	2650	2500	2350	2120	1900	1800	1400

PERFORMANCE CHART

MINI SELFPRIMING MONOBLOCK PUMPSET - ROYALE, ROYALE D PLUS, ROYALE E PLUS, ROYALE PRIDE, ROYALE PRO Series

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet														
						6	8	10	12	15	18	21	25	30	35	40	45	50	55	58
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	190
						Discharge in LPH														
ROYALE 52*	0.37	0.5	SELF PRIMING	25x25	8	3150	2950	2808	2600	2448	2200	2088	1800	1500						
ROYALE 100*	0.75	1	SELF PRIMING	25x25	8	3100	3000	2900	2700	2600	2480	2350	2196	1980	1728	1368				
ROYALE 150	1.1	1.5	SELF PRIMING	25x25	8	3888	3800	3750	3700	3600	3500	3400	3300	3060	2750	2450	2000	1350		
ROYALE D PLUS 50	0.37	0.5	SELF PRIMING	25x25	8	2800	2736	2550	2350	2160	1944	1728	1365	936	504					
ROYALE D PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576
ROYALE E PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet														
						6	8	10	12	15	18	21	25	30	35	40	45	50	55	60
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	197
						Discharge in LPH														
ROYALE PRIDE 50	0.37	0.5	SELF PRIMING	25 X 25	8	3025	2830	2740	2500	2220	2000	1740	1500	1010	525					
ROYALE PRIDE 100	0.75	1	SELF PRIMING	25 X 25	8	4010	3620	3575	3520	3330	3050	3000	2675	2260	1910	1580	1200	700		
ROYALE PRIDE 100C	0.75	1	SELF PRIMING	25 X 25	8	4010	3620	3575	3520	3330	3050	3000	2675	2260	1910	1580	1200	700		
ROYALE PRIDE 151	1.1	1.5	SELF PRIMING	25 X 25	8	4290	4250	4200	4140	4050	4000	3900	3840	3655	3600	3290	2950	2460	1910	1100

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet												
						6	8	10	12	15	18	21	25	30	35	40	45	50
						20	26	33	39	49	59	69	82	98	115	131	148	164
						Discharge in LPH												
ROYALE PRO 52	0.37	0.5	SELF PRIMING	25x25	8	3075	2870	2660	2495	2290	2180	1870	1580	1165				
ROYALE PRO 100	0.75	1	SELF PRIMING	25x25	8	3240	3225	3203	3185	3131	3033	2865	2605	2275	1980	1600	1225	880

* Marked pumpset are having ISI licence | D Plus : Die-cast motor body | E Plus : Extruded motor body | ES : Extension Shaft.

PERFORMANCE CHART

MINI SELFPRIMING MONOBLOCK PUMPSET - ELSA MAX Series

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts, 50Hz, A.C. Supply.

Wonder Suction

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet													
						6	8	10	12	15	18	21	25	30	35	40	45	50	55
						20	26	33	39	49	59	69	82	98	115	131	148	164	180
						Discharge in LPH													
ELSA MAX 50	0.37	0.5	WONDER SUCTION	15x15	8	1700	1650	1590	1460	1330	1250	1080	720						
ELSA MAX 51	0.37	0.5	WONDER SUCTION	25x25	8	2000	1870	1765	1620	1476	1330	1115	865						
ELSA MAX 100	0.75	1	WONDER SUCTION	25x25	8	2100	1980	1910	1800	1655	1550	1440	1260	1045	790				
ELSA MAX 101	0.75	1	WONDER SUCTION	25x25	8	2050	1900	1800	1700	1500	1400	1200	900						
ELSA MAX 150	1.1	1.5	WONDER SUCTION	25x25	8	3400	3150	3100	3050	2950	2900	2800	2700	2400	2200	2000	1650	1300	900

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump Casing	Cast Iron
Bracket & Rear Cover	Cast Iron / Aluminium
Volute Casing	Forged SS
Rotor	Aluminium Die Cast
Motor Body	Aluminium Extruded / Die Cast / Cast Iron

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Motor Shaft	SS
Cooling Fan	Poly Propylene - Co Polimer
Cooling Fan Cover	Poly Propylene - Co Polimer / MS
Impeller	High Tensile Brass
Mechanical Seal	Carbon & Ceramic

ACM Series

C.R.I. Centrifugal Monoblock pumpsets are powered by a totally enclosed fan cooled AC induction two pole motor. Motor stator is made of low watt loss silicon steel laminations assembled under pressure and rigidly locked in the frame. The windings are of high-grade enameled copper wire offer excellent resistance and are varnish impregnated. Construction of motor frame and usage of quality materials result in high performance and low temperature rise thereby increasing the life cycle of the motor.

SALIENT FEATURES

• High operating efficiency resulting in lower power consumption • Inbuilt with thermal overload protector in all single phase pumpsets upto 2 HP • Specially designed for wide voltage operation • SS 304 impellers are used in specific pump models to increase the life of the pump • Dynamically balanced rotating parts including rotor and impeller ensures minimum vibration and longer life • Back pull-out design for easy servicing and repair • Double shielded ball bearings, so no need of external lubrication • Available in CI & Aluminium frame.

Virat

APPLICATIONS

• Domestic • Irrigation • Farms • Gardens • Industry • Civil applications.

SPECIFICATIONS	ACM | VIRAT
Power range	0.37 kW - 0.75 kW (0.5 HP - 1 HP)
Speed	2880 RPM
Version	Single phase 220 - 240V; Three phase 380 - 415V, 50Hz, A.C. Supply
Maximum total head	35 Metre | 34 Metre
Maximum flow rate	2.9 LPS (10.4m^3/hr)
Maximum suction lift	7 Metre
Method of starting	Permanent Split Capacitor (PSC)
Nominal pumpset size (S x D)	25 x 25 & 32 x 25 mm

PERFORMANCE CHART | CENTRIFUGAL MONOBLOCK PUMPSET - ACM / VIRAT Series

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts I Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.4	2.2	2.6	3.8	4.2	4.6	5.4	6.1	6.8	7.6	8.3	9.0	9.71	10.4	Star Rating
					lps	0	0.4	0.6	0.7	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	
ACM 0*	CI	0.37	0.5	25x25	Head in Metres	19	18	17	16	15	15	14	13	9	8						
ACM 2S*	CI	0.37	0.5	25x25		29		26	25	24	23	23	22	18							5
ACM 44*	CI	0.55	0.75	25x25		35		30	29	28	28	28	26	17	18						5
T/ACM 2*	AL	0.75	1	25x25		31		28	27	26	25	25	24	23	18	13					
ACM 24	CI	0.75	1	25x25		34	31	31	30	30	30	30	25								
ACM A0	AI	0.37	0.5	25x25		18		16	16	14	13	13	12								
ACM A1*	AL/CI	0.37	0.5	25x25		20		19.8	19.6	18.4	17.9	17.3									
ACM A2S*	AL	0.37	0.5	25x25		27		24	23	22	21	20	19	13							5
ACM A2*	AL/CI	0.75	1	25x25		33		31	30	29	28	28	27	14							5
ACM A24*	CI	0.75	1	25x25		34		32	32	31	30	30	29	15							5
ACM A3-H	AL	0.75	1	32x25		28				24	23	23	22	22	21	20	19	18	15	14	

DISCHARGE

Model	Body	kW	HP	Suction x Delivery in mm	m^3/hr	0	2.2	2.6	3.8	4.2	4.6	5.4	6.1	6.8
					lps	0	0.6	0.7	1.0	1.2	1.3	1.5	1.7	1.8
ACM PRO 44	CI	0.55	0.75	25x25	Head in Metres	35	30	29	28	28	28	26	17	18
ACM PRO A2	AL/CI	0.75	1	25x25		33	31	30	29	28	28	27	14	
ACM PRO A24	AL	0.75	1	25x25		34	32	32	31	30	30	29	15	

DISCHARGE

Model	Body	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.37	2.20	2.59	3.78	4.18	4.61	5.40	6.12	6.84	7.56	8.28	9.00	9.72	10.44	Star Rating
					lps	0	0.38	0.61	0.72	1.05	1.16	1.28	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	
VIRAT 524	AL	0.37	0.5	25x25	Head in Metres	15		12.5		11.5	11	10	9	7	5						
VIRAT 525	AL	0.37	0.5	25x25		18		16	16	14	13	13	12								
VIRAT 525N / ES	AL/CI	0.37	0.5	25x25		19	18	17	16	15	15	14	13	9	8						
VIRAT 525M / ES	AL	0.37	0.5	25x25		21		20	19	18	18	17									
VIRAT 525H*	AL	0.37	0.5	25x25		27		24	23	22	21	20	19								5
VIRAT 1025*	AL	0.75	1	25x25		33		31	30	29	28	28									5
VIRAT 1025HH*	AL	0.75	1	25x25		34		32	32	31	30	30	29								5
VIRAT 1025M*	AL	0.75	1	32x25		28				24	23	23	22	22	21	20	19	18	15	14	

DISCHARGE

* Marked pumpset are having ISI licence | S - Sleek | H/HH - High Head | ES - Extension Shafts Available | Pro denoted models are copper-coated windings.

PERFORMANCE CHART | CENTRIFUGAL MONOBLOCK PUMPSET - VIRAT Series

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts

Model	Body	kW	HP	Suction x Delivery in mm	m^3/hr	0	4.50	6.80	7.31	7.60	8.21	8.39	8.57	9.00
					lps	0	1.25	1.89	2.03	2.11	2.28	2.33	2.38	2.50
VIRAT 1025H	AL	0.75	1	32x25	Head in Metres	33	30	29	29	28	28	27	27	26

DISCHARGE

Model	Body	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.37	2.20	2.59	3.78	4.18	4.61	5.40	6.12	6.84	7.56	8.28	9.00	9.72	10.44
					lps	0	0.38	0.61	0.72	1.05	1.16	1.28	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90
VIRAT PRO 526	AL	0.37	0.5	25x25	Head in Metres	18		16	16	14	13	13	12							
VIRAT PRO 1025#	AL	0.75	1	25x25		33		31	30	29	28	28								
VIRAT PRO 1025HH	AL	0.75	1	25x25		34		32	32	31	30	30	29							
VIRAT PRO 1025M	AL	0.75	1	32x25		28				24	23	23	22	22	21	20	19	18	15	14

DISCHARGE

Pro denoted models are copper-coated windings | # Marked models are available in CI / Noryl Impeller.

ACM	
Part Name	**Material**
Rear Cover / Bracket	Cast Iron
Motor Frame	Cast Iron / Aluminium
Shaft	SS 410
Impeller	Cast Iron / SS 304 / Noryl
Pump Casing	Cast Iron
Mechanical Seal	Carbon & Ceramic

VIRAT	
Part Name	**Material**
Pump Casing	Cast Iron
Impeller	Cast Iron & Noryl
Front Bracket	Cast Iron
Motor Frame	Cast Iron & Aluminium
Back Cover	Cast Iron & Aluminium
Mechanical Seal	Carbon & Ceramic
Cooling Fan	Polypropylene
Cooling Fan Cover	Poly Propylene - Co Polimer / MS

Plano Ultra

Plano

CSS Series

CSS-4S Series

selfy+

IS : 14220
CM/L-6697301

POWER SAVINGS GUIDE

C.R.I. Horizontal Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water inside the motor. Plano & CSS Series must be filled with clear, cold, drinking water as detailed in our operator's manual.

Selfy+ Regenerative open well submersible pumpsets are uniquely designed for silent operation. It works under the water and operates direct suction. To avoid ingress of water inside the motor, sealing is made of Mechanical seal and Oil Seal. Cast Iron Motor Body construction ensures Rigidity and Higher Cooling effect.

SALIENT FEATURES

• Rigid construction • Long durability • High operating efficiency • Motor is designed with higher cooling effect to ensure the life • Easy to dismantle and repair • Available in SS 304, CI and Noryl impellers • Noise free operation and low maintenance.

APPLICATIONS

• Domestic • Multi storey buildings • Irrigation • Gardens • Rural water supply • Fountains

SPECIFICATIONS	PLANO / PLANO ULTRA / CSS / SELFY+
Power range	0.37 kW - 1.5 kW (0.5HP - 2HP)
Speed	2850 / 1440 RPM
Version	Single phase 220 - 240V; Three phase 380 - 415V, 50Hz, A.C. Supply
Maximum total head	57 Metre
Maximum flow rate	10 LPS (36 m^3/hr)
Method of starting	Capacitor Start Capacitor Run / Capacitor Start & Run / Direct Online
Maximum starts per hour	10 times
Nominal outlet size	25, 32, 40 & 50 mm

PERFORMANCE CHART | HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - CSS, PLANO Series

2850 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts I Three Phase – 380 - 415 Volts, 50Hz, A.C. Supply

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	Star Rating
				lps	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	
CSS 3H*	0.75	1	25x25	Head in Metres	33	32	30	28	25	20	14			5
CSS 24HH*	0.75	1	25x25		33	31	29	27	26	24	22			5
CSS 25HH	1.1	1.5	25x25		40	37	34	30	25					
CSS 26HH (1P /3P)	1.1	1.5	25x25		46	44	41	38	34	25				
CSS 27HH (1P /3P)	1.1	1.5	25x40		46	44	41	38	34	25				
CSS 28HH	1.1	1.5	25x40		40	37	34	30	25					
CSS 4S	1.5	2	32		57	55	54	51	45	35	23	9		

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2	27.0	28.8	30.6	32.4	34.2	36.0	Star Rating
				lps	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10	
CSS 9*	1.1	1.5	50x50	Head in Metres	16.7	16.5	16.5	16.3	16.1	15.9	15.6	15.3	15.0	14.6	14.0	13.2	12.2	11.0	10.0	8.8	7.5					
CSS 14*	1.5	2	50x50		22.3	22.2	22.0	21.8	21.6	21.2	20.8	20.4	19.8	19.4	18.9	18.2	17.4	16.5	15.4	14.3	13.2	12.0	10.5	8.9	7.0	5
CSS 14E*	1.5	2	50x50		22.2			22.0	21.9	21.7	21.5	21.3	21.0	20.8	20.2	19.5	18.8	18.0	17.2	16.2	15.2	14.0	13.0	11.8	9.8	5
CSS 16HH* (1P /3P)	1.5	2	50x40		33.2	33.0	32.6	32.0	31.3	30.5	29.5	28.4	27.2	25.8	23.8											5

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0.0	1.0	1.8	2.7	3.6	4.5	4.7	5.4	5.6	6.5	7.2	7.4	7.6	7.7	8.6	9.4	10.1	10.4	Star Rating
				lps	0.0	0.3	0.5	0.8	1.0	1.3	1.3	1.5	1.5	1.8	2.0	2.1	2.1	2.2	2.4	2.6	2.8	2.9	
PLANO 50*	0.37	0.5	25x25	Head in Metres	17		16.5	16	15	14.5	14	13.5	13	12	11	10	9	8					
PLANO 52N	0.37	0.5	25x25		21		20	20	19	18	18	17	16	15	14	14	14	13	12	9	9	8	
PLANO 104* (1P /3P)	0.75	1	25x25		33	32	30		28	24	23	22	22	21	20	19	19	18	17	15	13		5
PLANO 102N	0.75	1	32x25		35	33	31	30	28	27	27	26	25	24	24	23	22	21	18	15	14		
PLANO 106	0.75	1	25x25		32		28	26	25	24	23.5	23	22	21.5	21	20.5	20	19	18.5	18			5
PLANO 150 (1P /3P)	1.1	1.5	32x25		42		39	38	37	36	36	34	34	31	29	29	28	28	25	22	16		5
PLANO 151	1.1	1.5	32x40		42	39	38	37	36	36	34	34	31	29	29	28	28	25	22	16			

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.8	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2	27.0	28.8	29.5	30.6	Star Rating
				lps	0.0	0.5	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.2	8.5	
PLANO 152	1.1	1.5	40x40	Head in Metres	22.3	22.2	21.8	21.5	20.9	20.0	19.7	19.3	18.6	17.8	17.0	16.0							5
PLANO 200	1.5	2	50x50		22.0		21.5	21.3	21.0	20.8	20.5	20.1	19.7	19.3	18.7	18.1	17.5	16.6	15.7	15.1	14.8	14.1	

* Marked pumpset are having ISI licence | CSS 25HH, CSS 26HH, CSS 27HH, CSS 28HH & CSS 3H are SS Impeller | HH - High head | 1P/3P denoted models are available with Single Phase & Three Phase.

PERFORMANCE CHART

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - PLANO, PLANO ULTRA, SELFY+ Series

2850 RPM At Rated Voltage - Single Phase 220 - 240 Volts, 50Hz, A.C. Supply

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.44	1.80	3.60	4.32	5.40	5.80	6.84	7.20	8.0	9.0	10.0	10.8	11.5
				lps	0.0	0.4	0.5	1.0	1.2	1.5	1.6	1.9	2.0	2.2	2.3	2.5	2.8	3.0
PLANO 153	1.1	1.5	25x25	Head in Metres	47	45	44.5	43	42	40	39.5	37.5	37	35.5	33	30	29	26.5

DISCHARGE

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	1.44	1.80	3.60	4.32	5.40	5.76	6.84	7.20	7.92	8.28	9.0	10.1	10.8	11.5	12.2	12.6	13.0	14.4	15.8	16.2	18.0
				lps	0.0	0.4	0.5	1.0	1.2	1.5	1.6	1.9	2.0	2.2	2.3	2.5	2.8	3.0	3.2	3.4	3.5	3.6	4.0	4.4	4.5	5.0
PLANO 201	1.5	2	40x40	Head in Metres	32.0		31.0	30.6		30.2			29.6		29.3	29	28.2		27.8	27.5	27.3		25.7	24	23.6	21.4
PLANO 202	1.5	2	25x25		47.0	44.9	44.6	42.7	41.8	40.2	39.5	37.6	36.9	35.2		33.0	30.3	28.8	26.4							
PLANO 203	1.5	2	50x50		47.0	45.1	44.8	42.9	42.0	40.4	39.7	37.8	37.1	35.7		33.2	30.5	29.0	26.6							

DISCHARGE

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	0.78	1.8	2.7	3.6	4.5	4.68	5.4	5.55	6.48	7.2	7.4	7.56	7.74	8.64
				lps	0.0	0.3	0.5	0.75	1	1.25	1.3	1.5	1.54	1.8	2	2.05	2.1	2.15	2.4
PLANO ULTRA 50	0.37	0.5	25x25	Head in Metres	17		16	15	14.5	14	13.5	13	12.5	11.5	10.5	9.5	8.5	8	7.5
PLANO ULTRA 100	0.75	1	25x25		29	27	25	24	23	22	22	21.5	21	21	20	19.5	18	17	16

DISCHARGE

1440 RPM At Rated Voltage - Single Phase 220 - 240 Volts, 50Hz, A.C. Supply

Model	kW	HP	Suction x Delivery in mm	Speed	m^3/hr	0	0.61	0.8	1.01	1.4	1.8	2.2	2.6	3.0	3.38	3.82
					lps	0	0.17	0.22	0.28	0.39	0.5	0.61	0.72	0.83	0.94	1.06
SELFY 50+	0.37	0.5	25x25	1440	Head in Metres	27	24	23	21	19	16	13	10			
SELFY 100+	0.75	1	25x25	1440		50	46	45	42	37	32	28	23	17	13	9

DISCHARGE

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Motor Body	SS / MS / CI
Impeller	Cast Iron / Noryl / SS 304 / High Tensile Brass
Casing	Cast Iron
Rear Cover	Cast Iron
Shaft	SS 410

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Front Bracket	Cast Iron
Shaft Seal	Nitrile Butyl Rubber
Thrust Assembly	LTB vs SS with Ferobestos / Graphite Carbon vs SS 410
Diaphragm	High Nitrile Rubber

Vertical Openwell Submersible Pumpset - LTK Series

LTK Series

C.R.I. Vertical Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/sand into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water inside the motor.

SALIENT FEATURES

• High operating efficiency • Motor is designed with higher cooling effect to ensure the life
• Easy to dismantle and repair • Noise-less operation.

APPLICATIONS

• Domestic • Multi storey buildings • Irrigation • Gardens • Industrial • Rural water supply

SPECIFICATIONS	LTK
Power range	0.75 kW & 1.1 kW (1HP & 1.5HP)
Speed	2850 RPM
Version	Single phase 220 - 240V, 50Hz, A.C. Supply
Maximum total head	89 Metre
Maximum flow rate	1.66 LPS (6 m^3/hr)
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	10 times
Nominal outlet size	32 mm

PERFORMANCE CHART

VERTICAL OPENWELL SUBMERSIBLE PUMPSET - LTK Series

2850 RPM At Rated Voltage - Single Phase 220 - 240 Volts, 50Hz, A.C. Supply

Model	kW	HP	Stage	Outlet Size in mm	m^3/hr	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
					lps	0	0.42	0.55	0.69	0.83	0.97	1.11	1.25	1.39	1.66
LTK 3E/07M	0.75	1	9	32	Head in Metres	73	68	67	62	59	51	50	45	26	11
LTK 3E/11M	1.1	1.5	11	32		89	83	79	72	67	61	60	45	37	13

DISCHARGE

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Stator Shell	Mild Steel
Diaphragm	High Nitrile Rubber
Lower Housing / Upper Housing	Cast Iron
Shaft	SS 410
Shaft Seal	Nitrile Butyl Rubber
Thrust Assembly	SS 420 with Graphite Carbon
Journal Bushes	Carbon
Check Valve Housing	Cast Iron
Casing / Outer Shell	SS
Impeller	Noryl
Diffuser Chamber - LTK Series	Noryl
Suction inter Connector	Cast Iron
Pump Shaft	SS 304
Coupling	SS 410

Regenerative Selfpriming Monoset Pumpset - SELFY Series

C.R.I. Selfy Regenerative Selfpriming Monoset Pumps are powered by a totally enclosed fan cooled (TEFC) and Screen Protected Drip Proof (SPDP) AC induction two pole and four pole motors suitable for continuous duty. Construction of motor frame and usage of quality materials result in high performance and low temperature raise, thereby increasing the life cycle of the motor.

SALIENT FEATURES

• Good suction lift characteristics • Accurate function of centrifugal governor & switch ensures the longer life of the motor • Specially designed mesh is provided in pump to avoid foreign particles • Special graded casting used in pump portion to prevent the wear & tear • High tensile brass impeller is used to increase the life of pump.

APPLICATIONS

• Domestic • Drinking water • Gardens • Civil applications.

SPECIFICATIONS	SELFY
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	1440 & 2880 RPM
Version	Single phase 220 – 240V, 50Hz, A.C. Supply
Maximum total head	55 Metre
Maximum flow rate	64 LPM (3.82 m^3/hr)
Maximum suction lift	8 Metre (slow speed) / 6 metre (high speed)
Method of starting	Capacitor Start Capacitor Run / Permanent Split Capacitor
Nominal pumpset size (S x D)	25 x 25 mm

PERFORMANCE CHART

REGENERATIVE SELFPRIMING MONOSET PUMPSET - SELFY Series

1440 / 2880 RPM At Rated Voltage - Single Phase - 220 - 240 Volts, 50Hz, A.C. Supply

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m^3/hr	0	0.61	0.80	1.01	1.40	1.80	2.20	2.60	3.00	3.38	3.82
							lpm	0	10	13	17	23	30	37	43	50	56	64
SELFY 50	AL	0.37	0.5	25x25	2880	6	Head in Metres	50	41	38	34	27	19	13	10			
SELFY 51	CI	0.37	0.5	25x25	2880	6		50	41	38	34	27	19	13	10			
SELFY 104	CI	0.75	1	25x25	2880	8		55	48	46	43	34	27					
SELFY 107	MS	0.75	1	25x25	1440	8		41	38	35	32	29	24	20	16	12	8	4

DISCHARGE

Selfy 107 available with SS Impeller.

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m^3/hr	0	0.61	0.80	1.01	1.40	1.80	2.20	2.60	3.00	3.38	3.82
							lpm	0	10	13	17	23	30	37	43	50	56	64
SELFY PRO 107	MS	0.75	1	25x25	1440	8	Head in Metres	41	38	35	32	29	24	20	16	12	8	4

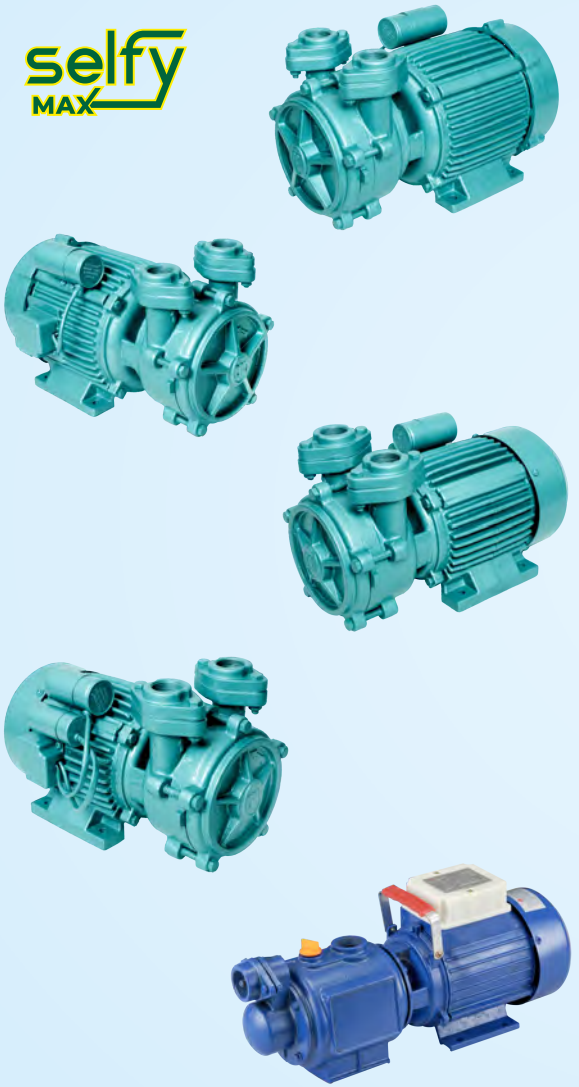
DISCHARGE

Pro denoted models are copper-coated windings | Selfy Pro 107 available with SS Impeller.

MATERIAL OF CONSTRUCTION - PUMPSET	
Part Name	**Material**
Pump casing	Cast Iron
Motor body	Cast Iron / Mild Steel / Aluminium
Shaft	SS - 410
Impeller	High Tensile Brass / SS
Bracket	Cast Iron
Mechanical Seal	Carbon & Ceramic

CI - Cast Iron | AL - Aluminium Motor Body | MS - Mild Steel.

Regenerative Selfpriming Monoset Pumpset - SELFY MAX Series



C.R.I.'s Selfy Max series was precisely designed with maximized stability and performance. Selfy Max is a regenerative pump which powered by TEFC design, four pole, AC induction motor and it is best suitable for continuous duty. Motor stator is made of low watt loss silicon steel with bulky construction of motor frame. The usage of quality materials and precisely designed components provides, high performance and low temperature raise, thereby increasing the life cycle of the motor.

SALIENT FEATURES

• Maximised stability by rigid construction • Maximised starting torque ensures trouble free operations • Maximised efficiency of 25% to 30% • Maximised accuracy of centrifugal governor and switch • Powerful suction lifting capacity.

APPLICATIONS

• Domestic • Drinking water • Gardens • Civil applications.

SPECIFICATIONS	SELFY MAX
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	1440 RPM
Version	Single phase 220V, 50Hz, A.C. Supply
Maximum total head	80 Metre
Maximum flow rate	64 LPM (3.82 m^3/hr)
Maximum suction lift	8 Metre (Slow Speed) / 9 Metre (High Speed - Screw Type Version)
Method of starting	Capacitor Start & Run / Capacitor Start Capacitor Run
Nominal pumpset size (S x D)	25 x 25 mm

PERFORMANCE CHART

REGENERATIVE SELFPRIMING MONOSET PUMPSET - SELFY MAX Series

1440 RPM At Rated Voltage - Single Phase - 220 Volts, 50Hz, A.C. Supply

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m^3/hr	0	0.61	0.78	1.02	1.38	1.80	2.22	2.58	3.00	3.36	3.84
							lpm	0	10	13	17	23	30	37	43	50	56	64
SELFY MAX 50	CI	0.37	0.5	25x25	1440	8	Head in Metres	31	28	27	25.5	23	19.5	16	13	9		
SELFY MAX 51	CI	0.37	0.5	25x25	1440	8		31	28	27	25.5	23	19.5	16	13	9		
SELFY MAX 100	CI	0.75	1.0	25x25	1440	8		51	48	45	42.5	39	37	33	28	20	14	13
SELFY MAX 101	CI	0.75	1.0	25x25	1440	8		51	48	45	42.5	39	37	33	28	20	14	13

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m^3/hr	0	0.10	0.20	0.36	0.47	0.59	0.71	0.97	1.0	1.2	1.3	1.4	1.5	1.54	1.58	1.65	1.7
							lpm	0	1.6	3.6	6	7.8	9.8	12	16.2	16.8	20	21.6	23	25	26	26.5	27.6	28.2
SELFY MAX 102	CI	1.1	1.5	25x25	2880	9	Head in Metres	80	70	60	55	50	45	40	35	30	25	21	18	15	12	10	8	6

Selfy Max 102 Screw type version.

MATERIAL OF CONSTRUCTION - PUMPSET	
Part Name	**Material**
Pump casing	Cast Iron
Motor body	Cast Iron
Impeller	High Tensile Brass
Bracket	Cast Iron
Mechanical Seal	Carbon & Ceramic

CI - Cast Iron

Centrifugal Jet Selfpriming Pumpset - SHALO Series

Shalo

30 FT Suction

C.R.I. Centrifugal jet self priming pumpsets pump casing and ejector unit are designed carefully to give the best possible hydraulic efficiency and good suction lift characteristics. Motor stator is made of low watt loss ferro silicon steel laminations assembled under pressure and rigidly locked in the frame. Construction of motor frame and usage of quality materials result in high performance and low temperature raise, thereby increasing the life cycle of the motor.

SALIENT FEATURES

• 30 feet suction lifting capacity • Specially designed for shallow well applications • High operating efficiency resulting in lower power consumption • Inbuilt thermal overload protector • In-built non return valve • Specially coated pumps available for fertigation application.

APPLICATIONS

• Shallow well • Small farms • Domestic • Pressure boosting • Gardens • Fertigation • Drinking water supply

SPECIFICATIONS	SELFY MAX
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	2880 RPM
Version	Single phase 220V, 50Hz, A.C. Supply
Maximum total head	47 Metre
Maximum flow rate	56.6 LPM (3.4 m^3/hr)
Maximum suction lift	9 Metre
Method of starting	Permanent Split Capacitor (PSC)
Nominal pumpset size (S x D)	25 x 25 mm

PERFORMANCE CHART

CENTRIFUGAL JET SELFPRIMING PUMPSET - SHALO Series

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	0.6	0.8	1.0	1.4	1.8	2.2	2.6	3.0	3.4
				lpm	0	10.0	13.3	16.6	23.3	30.0	36.6	43.3	50.0	56.6
SHALO 4	0.37	0.5	25x25	Head in Metres	37	34	32	31	28	25	22	20	16	
SHALO 7 / 7S	0.37	0.5	25x25		38	34	33	32	29	26	23	19		
SHALO 50	0.37	0.5	25x25		36	32	30	29	27	25	23	20		
SHALO 3	0.75	1	25x25		41	38	36	35	32	30	27	25	17	11
SHALO 8	0.75	1	25x25		46	42	40	39	36	33	30	26		
SHALO 8S	0.75	1	25x25		43	38	37	36	33	30	27	23	16	
SHALO 9S	0.75	1	25x25		39	35	34	33	30	27	24	20		
SHALO 100	0.75	1	25x25		39	35	34	33	31	29	27	25		
SHALO 101SS	0.75	1	25x25		41	37	36	35	34	32	29	27		
SHALO 102SS	0.75	1	25x25		39	35	34	33	31	29	27	25		
SHALO 150	1.1	1.5	25x25		42	36	34	34	32	30	28			

SS - Stainless Steel Casing.

Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	0.6	0.8	1.0	1.4	1.8	2.2	2.6
				lpm	0	10	13.3	16.7	23.3	30	36.7	43.3
SHALO PRO 50	0.37	0.5	25x25	Head in Metres	35	29	28.5	27.5	25.5	24	22.5	21
SHALO PRO 100	0.75	1.0	25x25		39	35	34	33	31	29	27	25
SHALO PRO 150	1.1	1.5	25x25		42	36	35	34	32	30	28	

Pro denoted models are copper-coated windings

PERFORMANCE CHART

CENTRIFUGAL JET SELFPRIMING PUMPSET - SHALO Series

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts, 50Hz, A.C. Supply.

SPECIALLY DESIGNED FOR FERTIGATION APPLICATION

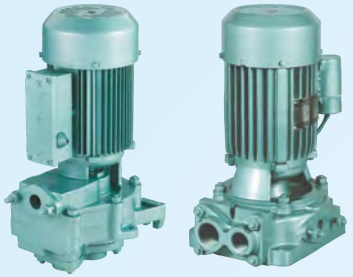
Model	kW	HP	Suction x Delivery in mm	m^3/hr	0	0.8	1.0	1.4	1.8	2.2	2.6
				lpm	0	13.3	16.6	23.3	30.0	36.6	43.3
SHALO 2	0.55	0.75	25x25	Head in Metres	47	38	36	31	28	26	20

DISCHARGE

MATERIAL OF CONSTRUCTION - PUMPSET	
Part Name	**Material**
Impeller	Cast iron / Noryl
Motor body	Aluminium
Shaft	SS-410
Bracket	Cast iron
Pump casing	Cast iron / SS
Mechanical Seal	Carbon & Ceramic

Deepwell Centrifugal Jet Pumpset - AJ / BP Series

AJ & BP Series



C.R.I. Deep well Jet Centrifugal Pumpsets volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. These Pumpsets are powered by a totally enclosed fan cooled (TEFC) and screen protected drip proof (SPDP), AC induction two pole motor, suitable for continuous duty. Construction of motor frame and usage of quality materials result in high performance and low temperature raise, thereby increasing the life cycle of the motor.

C.R.I. Deep well Jet Centrifugal pumpsets are available in twin type and packer type versions. Twin type is suitable for borewells with a diameter of 75mm and above. In twin type jet Pumpsets, there are two pipes viz. suction pipe and pressure pipe which connects the jet assembly to the pump. Pressurized water flows through the pressure pipe to the nozzle from the pump casing. Water sucked through the foot valve and the water passing through the nozzle mix together and flow through the suction pipe into the pump. Packer type jet pump is suitable for 50mm and 75mm borewells. The casing of tube well does the function of pressure pipe, i.e. Pressurized water flows through the tube well casing and enters the nozzle. Hence one pipe is eliminated.

SALIENT FEATURES

• Good suction lift characteristics • High operating efficiency resulting in lower power consumption • Inbuilt thermal over load protector • The pumpset can be installed both in horizontal and vertical position • Available in CI, Bronze and Noryl Impellers • Available in Aluminium & CI Frame motor body.

APPLICATIONS

• Domestic • Farms • Gardens • Civil applications.

SPECIFICATIONS	AJ / BP Series
Power range	0.37 kW - 1.5 kW (0.5HP - 2HP)
Speed	2880 RPM
Version	Single phase 220 - 240V, 50Hz, A.C. Supply
Maximum suction lift/ head	92 Metre
Maximum flow rate	50 LPM (3 m^3/hr)
Method of starting	Permanent Split Capacitor (PSC)
Nominal pumpset size (S x P x D)	32 x 25 x 25 & 40 x 32 x 25 mm

PERFORMANCE CHART

SINGLE STAGE DEEPWELL CENTRIFUGAL JET PUMPSET - AJ / BP Series

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs											
					Suction	Press-ure	Delivery		m^3/hr	0.39	0.49	0.60	0.79	1.00	1.39	1.80	2.20	2.59	3.00
									lpm	6.65	8.27	10	13.33	16.67	23.33	30	36.67	43.33	50
A5/AJ5*	AL/CI	0.37	0.5	100	32	25	25	13.7	Head in Metres	31	29	27	23	21	16				
A6/AJ2*	CI	0.75	1	100	32	25	25	15.2				32	30	25	20	14			
A6/AJ9*	CI	0.75	1	100	32	25	25	15.2		41	39	35	31	26	22				
A25/AJ2*	AL	0.75	1	100	32	25	25	15.2		36	34	33	30	28	22	17	13		
A25/AJ9*	AL	0.75	1	100	32	25	25	15.2		42	39	36	31	25	15				
A26/AJ7	AL	0.75	1	115	40	32	25	15.2		25	25	24	23	22	20	18	16	14	13
A9/AJ9*	AL	1.1	1.5	100	32	25	25	15.2		52	48	45	39	22					

DISCHARGE

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs											
					Suction	Press-ure	Delivery		m^3/hr	0.6	0.73	0.86	0.94	1.04	1.17	1.2	1.3	1.4	1.5	1.6
									lpm	10	12	14	16	17	20	20	22	23	25	27
A29/AJ9	AL	0.75	1	100	32	25	25	15.2	Head in Metres	46	43	40	37	35	32.5	30	27.5	25	22.5	20

DISCHARGE

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs													
						Suction	Press-ure	Delivery		m^3/hr	0.72	0.79	0.86	0.94	1.01	1.08	1.15	1.22	1.3	1.37	1.44	1.51	1.62	1.73
										lpm	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24	25.2	27	28.8
A10N/AJ1(LH)	CI	0.75	1	1	100	32	25	25	50	Head in Metres	37	35	34	33	32	30	29	28	27	27	26	24	19	11

DISCHARGE

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs											
					Suction	Press-ure	Delivery		m^3/hr	0.39	0.49	0.60	0.79	1.00	1.39	1.80	2.20	2.59	3.00
									lpm	6.65	8.27	10	13.33	16.67	23.33	30	36.67	43.33	50
A12/AJ2S	SS	0.75	1	100	32	25	25	15.2	Head in Metres		33	30	28	23	18	6			

DISCHARGE

* Marked pumpset are having ISI licence | CI - Cast Iron | AL - Aluminium Motor Body | SS - Stainless Steel.

PERFORMANCE CHART

DOUBLE STAGE CENTRIFUGAL JET PUMPSET (HORIZONTAL MODEL) - AJ Series

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs													
						Suction	Press-ure	Delivery		m^3/hr	0.33	0.38	0.40	0.46	0.54	0.60	0.65	0.68	0.70	0.72	0.73	0.75
										lpm	5.5	6.33	6.67	7.67	9	10	10.83	11.33	11.67	12	12.17	12.5
A10N/AJ1	CI	0.75	1	2	100	32	25	25	15.2	Head in Metres	60	57	55	52	47	45	41	40	37	36	34	28

DISCHARGE

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs											
						Suction	Press-ure	Delivery		m^3/hr	0.25	0.35	0.49	0.54	0.63	0.70	0.85	0.92	0.94	0.98
										lpm	4.17	5.83	8.17	9.00	10.12	11.67	14.17	15.33	15.67	16.33
A10/AJ10	AL	0.75	1	2	100	32	25	25	15.2	Head in Metres	58	55	49	46	43	40	37	33	30	28

DISCHARGE

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs										
						Suction	Press-ure	Delivery		m^3/hr	0.35	0.45	0.55	0.70	0.79	0.90	1.02	1.08	1.09
										lpm	5.82	7.5	9.17	11.67	13.33	15	17	18	18.33
A10N/AJ9	CI	0.75	1	2	100	32	25	25	15.2	Head in Metres	53	47	44	38	35	33	30	27	21

DISCHARGE

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs												
						Suction	Press-ure	Delivery		m^3/hr	0.14	0.22	0.30	0.35	0.42	0.53	0.61	0.73	0.82	0.92	1.03
										lpm	2.38	3.67	5.07	5.82	6.95	8.77	10.12	12.2	13.67	15.25	17.17
A40S/AJ9	CI	1.1	1.5	2	100	32	25	25	15.2	Head in Metres	54	51.5	49	48	46	42	39	35	33	30	23

DISCHARGE

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs												
						Suction	Press-ure	Delivery		m^3/hr	0.49	0.54	0.60	0.66	0.72	0.79	0.84	0.90	1.00	1.09	1.16
										lpm	8.33	9	10	11	12	13.33	14	15	16.67	18.33	19.33
A40/AJ9*	CI	1.1	1.5	2	100	32	25	25	16.8	Head in Metres	61	58	56	54	51	49	47	43	39	25	16

DISCHARGE

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs															
						Suction	Press-ure	Delivery		m^3/hr	0.14	0.16	0.17	0.18	0.20	0.23	0.25	0.27	0.28	0.29	0.31	0.32	0.33	0.35	0.38
										lpm	8.3	9.7	10.3	11.0	12.2	13.7	15.0	16.2	16.7	17.5	18.3	19.2	20.0	20.8	22.5
A18/AJ9	CI	1.5	2	2	100	32	25	25	16.8	Head in Metres	73	68	64	61	58	55	52	49	46	43	40	37	35	33	28

DISCHARGE

* Marked pumpset are having ISI licence | CI - Cast Iron | AL - Aluminium Motor Body.

PERFORMANCE CHART

DOUBLE STAGE CENTRIFUGAL JET PUMPSET (HORIZONTAL MODEL) - AJ Series

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m^3/hr	0.30	0.35	0.40	0.44	0.45	0.46	0.49	0.55	0.58	0.60	0.62	0.64	0.65	0.66	0.68	0.70
						Suction	Press-ure	Delivery		lpm	5	5.83	6.67	7.33	7.5	7.67	8.33	9.17	9.67	10	10.33	10.67	10.83	11	11.33	11.67
A40/AJ1	CI	1.1	1.5	2	100	32	25	25	16.8	Head in Metres	85	82	76	73	71	71	69	68	66	64	63	62	60	58	57	56
A18/AJ1	CI	1.5	2	2	100	32	25	25	16.8		92	89	85	82	81	79	78	74	72	71	70	69	66	65	52	37

DISCHARGE

SINGLE STAGE CENTRIFUGAL JET PUMPSETS (PACKER TYPE) - BP Series

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts

Three Phase – 380 - 415 Volts 50Hz, A.C. Supply.

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m^3/hr	0	0.39	0.49	0.60	0.79	1.00	1.39	1.80
					Suction	Press-ure	Delivery		lpm	0	6.65	8.27	10	13.33	16.67	23.33	30
AP8/2	CI	0.75	1	50	32	25	25	15.2	Head in Metres	33	28	27	25	23	20	16	13
BP8/2	CI	0.75	1	50	32	25	25	15.2		32	27	25	24	21	20	16	13
BP9/2	AL	0.75	1	50	32	25	25	15.2		45	33	31	28	22	18		
BP8/3	AL	0.75	1	80	40	32	25	15.2		54	30	29	28	26	24	21	17

DISCHARGE

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump Casing	Cast Iron
Bracket / Rear Cover	Cast Iron
Impeller	Cast Iron / Bronze / Noryl
Motor Frame	Cast Iron / Aluminium / Mild Steel / SS
Shaft	SS 410
Mechanical Seal	Carbon & Ceramic
Jet Assembly	Gun metal

* Marked pumpset are having ISI licence | CI - Cast Iron | AL - Aluminium Motor Body.

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