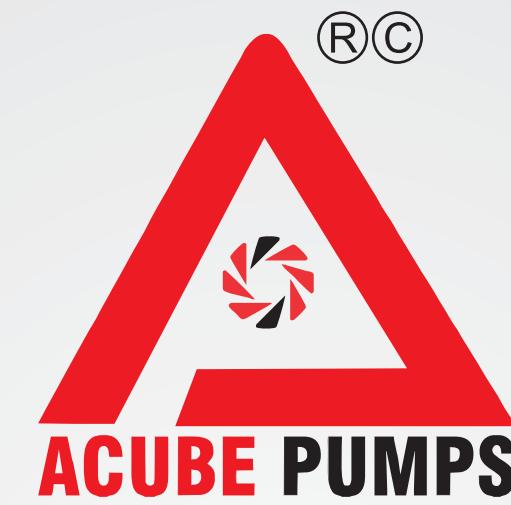


"The Pumping Innovation"

www.acubepumps.com



An Iso 9001:2015 Certified Company



"The Pumping
Innovation"

AN ISO 9001:2015 CERTIFIED COMPANY

The superior pumping choice.

A trusted history and
Innovative Future



works on

ACUBE ENGITECH CO.

survey no. 195, bhumeshwar ind area
kothariya, GUJARAT - INDIA

EMAIL: sales.acubepumps@gmail.com web: www.acubepumps.com



YouTube

logon to : acube pumps

www.acubepumps.com

I N D E X



1	Company profile	1
2	Important instruction & precautions	3
3	75 mm (v3) submersible pumpsets	5
4	100 mm (v4) submersible pumpsets (TARZAN)	7
5	100 mm (v4) submersible pumpsets (PREMIUM)	9
6	100 mm (v4) submersible pumpsets (DELUXE)	13
7	100 mm (v4mf) submersible pumpsets(mf series)	16
8	130 mm (v5) submersible pumpsets(noryl series)	18
9	130 mm (v5k35cs) submersible pumpsets(k35cs series)	20
10	130 mm (v5) submersible pumpsets(DELUXE)	23
11	130 mm (v5mf) submersible pumpsets(mf series)	26
12	150 mm (v6) submersible pumpsets(k40 series)	28
13	150 mm (v6) submersible pumpsets(mf series)	31
14	150 mm (v6) high head submersible pumpsets(k50 series)	34
15	175 mm (v6) high flow submersible pumpsets(v67j series)	38
16	200 mm (v6) high flow submersible pumpsets(v68j series)	40
17	Domestic openwell submersible pump	42
18	Agriculture openwell submersible pump	44
19	Agriculture openwell submersible pump (jumbo series)	46
20	Verticle openwell submersible pump	48
21	Technical specification	50



COMPANY PROFILE

"The Pumping Innovation"

ACUBE ENGITECH CO is one of the leading manufacturer of domestic, agriculture and industrial pumps for water solutions in India. Since 1998 we emphasizing on the prosperity and health of the customers. we are the value driven organization based on the strong foundations of reliability, innovation technology and trusted employees and vendors. We thrive to operate with a diverse portfolio of reliable and affordable pumpsets delivering world class performance through state-of-the-art manufacturing facility. Our energy-efficient motors and long lasting pumpsets cater to wide applications in agriculture, households, building & construction. and for solar operated pumping applications.

We have in-house casting foundry which is very important for long life of water pumps. company also owned in-house machining facility like German made Hacksaw Cutting Machine for shaft cutting .customized cnc and lathe machines for rotor shaft & rotor,casting and stator turning . Semi-automated drill machine for accurate drill operations .customized grining machine for accurate finishing of rotating parts .Singapore made burnishing machine for hardened a rotor. Balancing machine for the silent rotation of part we use the world class technology for the quality of high performing pumps.

All our group companies are ISO 9001:2015 certified for quality management. This shows our commitment to provide world class quality products & services using a systems approach to quality management.

We use the highly advanced and international standard equipment's for the quality of material used in the pumps .we use the AG winding joints machine for the quality cable joints .we have large water tank full with corrosive resistance chemical to perform a wound stator Megger test .we use soluable chemical for testing a pump after assembly which provide a corrosive resistance to casting parts and also usefull for silent rotation of the rotating parts.

we use the pressure gauge to check the ovality of bushes and casting uses in the assembly process .we use the burnishing tools for the standard clearance between rotating parts .we have advanced assembly line for the open well pumps which produces the openwell pump in a single minute .we are using the highly accurate machines like balancing ,burnishing machine for rotor manufacturing process .for the long life of the casting parts. We perform a Cathodic Electro Deposition(CED) process on every casting parts , and on rotor we perform the epoxy paints process to improve the life of the submersible motor .

In pump manufacturing process we use world class thread lock chemical to provide lifelong joint between casting parts and pump housing .we are using highly advanced control panel to test the performance of the pumps at variable voltage and frequency. For the sand proof solution each pumps pass through high pressure leakage test .we also ensure from the our vendors that all bearing parts pass through the universal tensile test (UTM),hardness ,thermal and porosity test. we have separate service center and after sale product analyzing team which continuously work to reduce the mechanical & electrical errors. We have highly qualified and experienced research and development team to provide us continuous new development with changing market needs.

As an organization, our focus has always been clear: BEST QUALITY AND BEST SERVICE for the costumers.

Being an ACUBE ENGITECH CO, we do offer the products from different facilities which include more than 1500 models for various water solutions. Our diversification has led to building long-term relations with farmers, households, architects, plumbing contractors & builders that have placed their trust in our superior quality products. We have one of the largest distributing networks with more than 300 trusted distributors and dealers .Till now company has more than 30 lacs satisfied customers all over in India .we have manufacturing capacity of more than 1.5 lacs pump sets per annum .

OUR VISION

"To improve people's lives through innovative solutions".

CORE VALUES:

excellent quality of products.
customers satisfaction.
employee encouragement.
innovations to every time.

BHAG

"To become the most favourable brand in asia by doing 3000 cr. turnover with presence in 40 country by 2035."



Accreditations and Approvals

NSIC
ISO 9001 : 2015

राष्ट्रीय लघु उद्योग सिंगम लिमिटेड
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)

S.No. NTG-0000662
Branch Office NSIC Technical Services Centre Bhav Nagar Road, All Industrial Estate
Ph : 0281-2387613238739788 Fax : 0281-2387729
Email : ntsca@nsic.co.in Website : www.nsco.co.in

GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE

(Valid From 24/05/2019 to 23/05/2021)
Ref.No NSIC/GP/NTG/2019/6715 Date: 24/05/2019
Factory Address:
Survey No.195P, Plot No.14, Bhumeshwar Industrial Area Estate, Kothariya, RAJKOT, GUJARAT- 360004

Name of the Partners
BEE CONSERVE IT

ENERGY IS LIFE
ऋजा दक्षता व्यूरो
(पारा संकार, वित्त मंत्रालय)
BUREAU OF ENERGY EFFICIENCY
(Government of India, Ministry of Power)

No:- BEE/ACE/0309/15/20/008/OPS Date:07-02-2020 11:35:22

To,
MR SATISHBHAI DHIRUBHAI DESAI (PARTNER)
ACUBE ENGITECH CO.
SURVEY NO.195,PLOT NO.14BHUMESHWAR INDUSTRIES AREA-E,
kothariya,rajkot
Rajkot
Gujarat
RAJKOT -360004
Mobile No - 9537820551

भारतीय मानक व्यूरो
BUREAU OF INDIAN STANDARDS
(राजकोट शाखा कार्यालय)
(Rajkot Branch Office)

ए. वी. नं. 364/P. F.P. No. 364/P. नं. 13/Ward No. 13, Survey No. 195P, Plot No. 14, Bhumeshwar Industrial Area Estate / Crystal Mall, वारा लघु उद्योग के पास / Near Bharat Petrol Pump, कालावड रोड / Kalawad Road, राजकोट / RAJKOT - 360005, ગુજરાત / Gujarat
GSTIN : 24AAAB0431G1ZH PAN No. : AAAB0431G1ZH
टेल: / Phone : 0281-2563981, 2563982, 2563984, 2563978
फैक्स / Fax : 0281-2563983
ई-मेल / E-mail : rjbs@bs.gos.in
वेब / Web : http://www.bs.gov.in

स्पीड पोर्ट
हमारा संदर्भ : RJBO/L- 76000120609 दिनांक 22/09/2020
विषय : आई एस - IS 9283:2013 के अनुसार सी एम/एल - 7600120609 का नवीकरण
M/s ACUBE ENGITECH CO., SURVEY NO.195P, PLOT NO. 14, BHUMESHWAR INDUSTRIAL AREA-E, KOTHARIYA, DISTRICT: RAJKOT, GUJARAT-360004

भारतीय मानक व्यूरो
BUREAU OF ENERGY EFFICIENCY
(Government of India, Ministry of Power)

No:- BEE/ACE/0309/15/20/010/OPS Date:12-03-2020 11:15:24

To,
MR SATISHBHAI DHIRUBHAI DESAI (PARTNER)
ACUBE ENGITECH CO.
SURVEY NO.195,PLOT NO.14BHUMESHWAR INDUSTRIES AREA-E,
kothariya,rajkot
Rajkot
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स्पीड पोर्ट
हमारा संदर्भ : RJBO/L- 7600013107 दिनांक 10/11/2020
विषय : आई एस - IS 14220-2018 के अनुसार सी एम/एल - 7600013107 का नवीकरण
M/s ACUBE ENGITECH CO., SURVEY NO. 195P, PLOT NO. 14, BHUMESHWAR INDUSTRIAL AREA-E, KOTHARIYA, DISTRICT: RAJKOT, GUJARAT-360004

महोदय,
उपरोक्त अनुमति अनुग्रहित के नवीकरण हेतु आपके आवेदन के संदर्भ में, आपको सूचित किया जाता है कि यह 11/06/2020 से 02/11/2021 तक नवीकृत किया जाता है।

ISO CERTIFICATE

TQS Quality Certification Service ISO 9001

Certificate of Registration

Certificate No. TQS/QMS/478378412-11

This is to Certify that the Management System of the

ACUBE ENGITECH CO.

Survey No. 195, Bhumeshwar Ind. Area - C, 40 - Feet Main Road, Kothariya, Rajkot 360004, Gujarat - India

Has been independently assessed and found to be compliance with the requirements of standard detailed below

ISO 9001:2015

This Certificate Is Valid For The Following Scope

"Manufacture & Supply Of Submersible Pump, Openwell Pump, Electric Motor, Turbine Pump, Self Priming Pump, Other Pump Service"

Initial Registration Date 03 Nov. 2020 Issue Date : 03 Nov. 2020
1st Surveillance on or before 03 Nov. 2021 Valid Until : 02 Nov. 2023
2nd Surveillance on or before 03 Nov. 2022

Smith
Managing Director
TQS Quality Certification Service

TQS Quality Certification Service,
B 203, Atharv Appartment,Virar Road,Nala Sopara, Mumbai 421 203.
The certificate of Registration remains the property of TQS Quality Certification Service and shall be returned immediately upon request. For more information our website.
E : info@isoindia.org.in, W : www.isoindia.org.in
For current validity of this certification please visit our website.

भारतीय मानक व्यूरो
BUREAU OF INDIAN STANDARDS
(Ministry of Consumer Affairs, Food & Public Distribution-Govt. of India)
राजकोट शाखा कार्यालय /Rajkot Branch Office :
राजकोट शाखा कार्यालय /Rajkot Branch Office : Opp. Crystal Mall, वारा लघु उद्योग के पास, Near Bharat Petrol Pump, कालावड रोड, Kalyan Road, राजकोट - 360 005, ગુજરાત / Gujarat, फ़ोन / Tel. : 0281-2563981, 2563982, 2563984, 2563978 4-409-4000 | E-mail : rjbs@bs.gov.in | Website : www.bs.gov.in

स्पीड पोर्ट
हमारा संदर्भ : RJBO/L- 7600120609 दिनांक 22/09/2020
विषय : आई एस - IS 9283:2013 के अनुसार सी एम/एल - 7600120609 का नवीकरण
M/s ACUBE ENGITECH CO., SURVEY NO.195P, PLOT NO. 14, BHUMESHWAR INDUSTRIAL AREA-E, KOTHARIYA, DISTRICT: RAJKOT, GUJARAT-360004

भारतीय मानक व्यूरो
BUREAU OF ENERGY EFFICIENCY
(Government of India, Ministry of Power)

No:- BEE/ACE/0309/15/20/010/OPS Date:12-03-2020 11:15:24

To,
MR SATISHBHAI DHIRUBHAI DESAI (PARTNER)
ACUBE ENGITECH CO.
SURVEY NO.195,PLOT NO.14BHUMESHWAR INDUSTRIES AREA-E,
kothariya,rajkot
Rajkot
Gujarat
RAJKOT -360004
Mobile No - 9537820551

भारतीय मानक व्यूरो
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(Rajkot Branch Office)

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स्पीड पोर्ट
हमारा संदर्भ : RJBO/L- 7600013107 दिनांक 10/11/2020
विषय : आई एस - IS 14220-2018 के अनुसार सी एम/एल - 7600013107 का नवीकरण
M/s ACUBE ENGITECH CO., SURVEY NO. 195P, PLOT NO. 14, BHUMESHWAR INDUSTRIAL AREA-E, KOTHARIYA, DISTRICT: RAJKOT, GUJARAT-360004

महोदय,
उपरोक्त अनुमति अनुग्रहित के नवीकरण हेतु आपके आवेदन के संदर्भ में, आपको सूचित किया जाता है कि यह 03/11/2020 से 02/11/2021 तक नवीकृत किया जाता है।

यह घान में रखा जाए कि अधिनियम की धारा 13 की उप - धारा (2) के खंड (ब) के अधीन प्रदान की गई अनुमति लिस अवधि के लिए प्रदान की गई है, उनकी समाप्ति पर समाप्त ही आगी, जब तक नवीकरण या नवीकरण आव्याप्ति नहीं हुआ हो। अतः आपस अनुरोध है कि अगले नवीकरण हेतु अनुग्रहित की समाप्ति से तीन माह पहले आइएस को आवेदन करें।

CE MARKING

CE Compliance Certificate
Certificate of compliance

TQS Quality Certification Service ISO 9001

Registration No.:
CE / 1524021306-06

Acube Engitech Co.

Address:
Survey No. 195,
Bhumeswar Ind. Area - C,
40 Feet Main Road,
Kothariya, Rajkot 360004,
Gujarat - India

In Compliance With The Standard :
CE MARKING
Directive 640/2009/EC And LVD 98/37/EC

For The Following Product :
1. Submersible Pump, Openwell Pump
2. Electric Motor And Turbine Pump
3. Self Priming Pump,

TCF Number :
001/2013

The present certificate exclusively refers to the product mentioned above and certifies that the above mentioned products have been manufactured as per the TCF deposited in TQS quality certification service. Any changes or modification implemented on the mentioned product will not be covered by this certificate.

Initial Registration Date	21 June 2021	Issue Date	21 June 2021
1 st Surveillance on or before	21 June 2022	Valid Until	20 June 2024
2 nd Surveillance on or before	21 June 2023		

Smith
Managing Director
TQS Quality Certification Service

CE

TQS Quality Certification Service,
B 203, Atharv Appartment,Virar Road,Nala Sopara, Mumbai 421 203.
For current validity of this certification please visit our website.
E : info@isoindia.org.in, W : www.isoindia.org.in
This Certificate is Only Valid When Confirmed by Data Listed Our Website



Important Instructions

1. Please read carefully and follow the instructions in our installation manual
2. Pump should never be operated dry. Pump should be run for few minutes at least once in two- three days to prevent from seizing
3. Use appropriate size, good quality cable and starter
4. To reduce the risk of electric shock or injury by disconnecting power before working on or around the pumping system. Appropriate earthing is compulsory
5. Performance data given in the tables are at rated rpm and only indicative. To get optimum performance the pump set should be operated between 60% to 80% of total head. Due to continuous improvements, specifications and designs are subject to change without prior notice
6. Select and install the pump sets for the recommended head range (high lighted yellow zone in selection tables.)
7. Pipe friction and fitting losses need to be taken into account while calculating the total head before selecting suitable pump set.
8. In view of continuous improvements on existing products, information and performance values provided are subjected to change without notice
9. Proper sizes mentioned in mm and are nominal sizes are the nearest conversion to inches. Pipe threads are provided as per BSP standard use ISI marked and law friction good quality piece. Pipe size must never be smaller than pump outlet connection size
10. Reduce no. of bends, elbows. T-bends, as much as possible in the pipe line.
11. Fill submersible motor of Bore well and open well pump sets with clear cold fresh drinking water before commissioning
12. Suitable overload relay for three phase and MCB/Relay for single phase products and to be provided as an electrical safety measure for the machine
13. Direction of rotation Anticlockwise when viewed frame NRV side of the pump.
14. Allow at least 5 minutes between subsequent starts to avoid shock ar oscillation in the pump.
15. All pump sets are suitable for pumping clear cold. non aggressive water without any abrasive solid particles or fiber with following characteristics

Temperature	33° C (max.)
Permissible amount of sand	25 gm /m3 (max.)
Chlorides	500 ppm (max.)
Total dissolved solids	3000 ppm (max.) 3
Hardness (drinking water)	00 (max.)
Turbidity	50 ppm silica scale max.)
Viscosity	1.75 x 10 ¹ m ² /sec
Specific gravity	1.004 (max.)
pH	6.5 to 8.5

Precautions



You are requested to take the following aspects under consideration during the selection process

1. voltage condition at site If single phase then stability of the neutral.
2. Ensure proper starter condition with appropriate relay setting.
3. For calculating yield of water in bore well or open well, consider 80% of total yield.
4. Maximum lower water level in the bore well, including draw down.
5. Actual requirement of water as per customer need.
6. Whether there is a problem of sand in bore well / open well
7. Whether quality and the size of delivery pipe is proper or not.
8. Actual irrigation area of land.
9. Always consider the require head Suction head Max, draw down during summer+ground elevation + + pipe frictional losses fittings i e elbow, bend, valves losses). Consider 10% more than the actual duty point head after deduction of all the losses i e. pipe loss, voltage loss, frequency loss etc.

You are requested to ensure that customer / mechanics should take Precautions during installation / operation in the field.

1. Never run the pump outside the water even for a second else it will damage the parts
2. Check the power supply voltage, phase and neutral
3. After coupling motor & pump never knock it down else alignment will run out
4. Start capacitor is only for starting of the motor so never press button for more than 3 seconds.
5. Never direct electric line on the start capacitor in your starter panel board.
6. Never run the pump without earth in Check the service line from motor to electric pole for proper wire gauge, connections are not loose.
7. Safe guard Panel board from water and moisturized atmosphere
8. Always keep the panel in erect position and never allow dropping on it, Always earth it.
9. Check the bore well depth and install the pump set 15 to 20 feet up from the bottom.
10. Do not apply oil, grease and any chemical liquid to motor
11. Ensure Non return valve in pipe fitting to prevent back flow.
12. Ensure fitting of strainer with bend for openwell submersible pumps.
13. Ensure Protection from rain / shower for Mini monoblock / Monoblock pumps / shallow well pumps.



75mm (v3) Submersible Pumpsets



Acube brand makes highly efficient durable and best quality V3 submersible pump set with water filled motors

SALIENT FEATURES

- Light weight and compact.
- fully stainless steel stator tube body.
- Lip seals and Bushes are well protected by sand guards.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Better efficiency and consistent performance.
- All hardware are stainless steel and All rubber parts are which NBR.
- Impeller and diffusers are high quality 30% glass filled engineering polymer.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Domestic water supply Apartment, building and Hotel
- Dairies, cattle and poultry farms
- Fire fighting pressure booster
- Solar pumping stations
- Fountains, lawn, garden
- Unshaped and crooked 4" borehole

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Pump housing	Stainless Steel
Bearing housing	C I FG 200	Impeller	Noryl-GFN3
Motor shaft	SS AISI 410	Diffuser	Noryl-GFN3
Bush bearing	BRONZE LTB-4	Pump shaft	SS AISI 410
Thrust bearing	AISI 420/ CARBON	Suction housing	CI FG 200

TECHNICAL SPECIFICATION

HEAD RANGE : 6 TO 100 METERS
DISCHARGE RANGE : 10 TO 90 LPM
MOTOR RATING : 0.5 HP TO 1.5 HP
VOLTAGE RANGE : 140V TO 240 V

75mm (v3) Submersible Pumpsets



SELECTION CHART FOR ACUBE (75MM) 3" SUBMERSIBLE PUMP SETS

Pumpsets (max dia 72* mm) Suitable for 80 mm borewell size or above (Min.Bore dia-80mm)
Performance chart at 2900 rpm ,230V, single phase, 50 Hz AC, supply

25 LPM SERIES		OUTLET SIZE : 25 MM						2900 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	10	15	20	25	30
AP3S0510	10	0.5	0.37	Head Meters					
AP3S7515	15	0.75	0.56	40	38	35	32	28	24
AP3S1020	20	1.0	0.75	60	56	52	47	41	36
AP3S1525	25	1.5	1.12	80	75	70	63	55	48
				104	98	91	83	75	62
									52

35 LPM SERIES		OUTLET SIZE : 25 MM						2900 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	20	25	30	35	40
AP3S0508	8	0.5	0.37	Head Meters					
AP3S7512	12	0.75	0.56	35	32	30	27	24	20
AP3S1015	15	1.0	0.75	51	48	44	39	34	28
AP3S1520	20	1.5	1.12	64	60	55	49	42	35
				80	75	67	62	53	45
									38

45 LPM SERIES		OUTLET SIZE : 25 MM						2900 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	30	35	40	45	50
AP3S7510	10	0.75	0.56	Head Meters					
AP3S1012	12	1.0	0.75	39	37	33	30	27	23
AP3S1515	15	1.5	1.12	48	42	38	34	30	28
				71	67	60	54	48	41
									32

100mm (v4) Submersible Pumpsets(TARZAN)



Acube brand makes highly efficient durable and best quality V4 submersible pump set with water filled motors

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Impeller and diffusers are high quality 30% glass filled engineering polymer.
- All sleeves are hard chrome plated to ensure the long life in sandy condition.
- Lip seals and bushes are well protected by sand guards for sand friendly operation.
- Polymer parts are well protected by metallic wear ring.
- Heavy duty specially designed carbon thrust bearing.
- Built in NRV with minimum friction to prevent back flow.
- Easy in assembly and disassembly for servicing.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Domestic water supply
- Housing complex, bungalows.
- Dairies, cattle and poultry farms
- Fire fighting, pressure booster
- Solar pumping stations
- Fountains, lawn, garden

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	Noryl_GFN3
Bearing housing	CI FG 200	Diffuser	Noryl_GFN3
Motor shaft	SS AISI 410	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	CI FG 200
Thrust bearing	AISI 420 / CARBON	NRV	CI FG 200
Stamping	Silicon steel	Bush bearing	Nitrile rubber

NOTE:

1. Motor upto 1.5HP are available in single phase .
2. Standard single phase motor is designed for rated voltage 230V.
3. Selected models are also available with ISI mark/BEE star Rating,

100mm (v4) Submersible Pumpsets(TARZAN)

SELECTION CHART FOR ACUBE (100MM) 4" SUBMERSIBLE PUMP SETS

Pumpsets (max dia 100* mm) Suitable for 80 mm borewell size or above (Min.Bore dia-100mm)
Performance chart at 2900 rpm ,230V, single phase, 50 Hz AC, supply

30 LPM SERIES		OUTLET SIZE : 32 MM								2900 RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE								
				LPM	55	45	40	30	25	18	12	
		H.P.	K.W.	Head Meters							0	
AP4S0510T	10	0.5	0.37		20	30	35	40	45	50	55	61
AP4S7512T	12	0.75	0.56		24	36	42	48	54	60	66	73
AP4S1015T	15	1.0	0.75		45	53	60	70	80	85	90	92
AP4S1520T	20	1.5	1.12		60	70	80	90	100	110	120	125

40 LPM SERIES		OUTLET SIZE : 32 MM								2900 RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE								
				LPM	65	55	50	42	38	33	25	
		H.P.	K.W.	Head Meters							0	
AP4S0507T	7	0.5	0.37		14	21	25	28	32	35	39	43
AP4S7510T	10	0.75	0.56		20	30	35	40	45	50	55	61
AP4S1012T	12	1.0	0.75		24	36	42	48	54	60	66	73
AP4S1518T	18	1.5	1.12		36	54	63	72	80	90	100	110

65 LPM SERIES		OUTLET SIZE : 32 MM								2900 RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE								
				LPM	100	85	75	65	55	40	25	
		H.P.	K.W.	Head Meters							0	
AP4S0506T	6	0.5	0.37		12	18	21	24	27	30	33	37
AP4S7508T	8	0.75	0.56		16	24	28	32	36	40	44	49
AP4S1010T	10	1.0	0.75		20	30	35	40	45	50	55	61
AP4S1515T	15	1.5	1.12		30	45	53	60	68	75	83	92

90 LPM SERIES		OUTLET SIZE : 32 MM								2900 RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE								
				LPM	140	120	110	95	80	65	35	
		H.P.	K.W.	Head Meters							0	
AP3S7506T	6	0.75	0.56		12	18	21	24	27	30	33	37
AP3S1008T	8	1.0	0.75		16	24	28	32	36	40	44	49
AP3S1512T	12	1.5	1.12		24	36	42	48	54	60	66	72

100mm (v4) Submersible Pumpsets (PREMIUM)



Acube brand makes highly efficient durable and best quality V4 submersible pump set with water filled motors

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Impeller and diffusers are high quality 30% glass filled engineering polymer.
- All sleeves are hard chrome plated to ensure the long life in sandy condition.
- Lip seals and bushes are well protected by sand guards for sand friendly operation.
- Polymer parts are well protected by metallic wear ring.
- Heavy duty specially designed carbon thrust bearing.
- Built in NRV with minimum friction to prevent back flow.
- Easy in assembly and disassembly for servicing.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Domestic water supply
- Housing complex, bungalows.
- Dairies, cattle and poultry farms
- Fire fighting, pressure booster
- Solar pumping stations
- Fountains, lawn, garden

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	Noryl_GFN3
Bearing housing	CI FG 200	Diffuser	Noryl_GFN3
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	CI FG 200
Thrust bearing	AISI 420 / CARBON	NRV	CI FG 200
Stamping	Silicon steel	Bush bearing	BRONZE LTB-4

Note

1. Motor upto 5.0HP are available in single phase and three phase both, 6 & 7.5 hp are only in three phase,
2. Standard single phase motor is designed for rated voltage 230V.
3. Standard Three phase motor is designed for rated voltage 380V.
4. Selected models are also available with ISI mark/BEE star Rating,

100mm (v4) Submersible Pumpsets (PREMIUM)



SELECTION CHART FOR ACUBE (100 MM) 4" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 100 mm borewell size or above (Min.Bore dia-100mm)
Performance Chart at 2900 rpm, 230V Single phase/415V three phase, 50 Hz A.C. supply

35 LPM SERIES		OUTLET SIZE : 32 MM							2900 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE						
		H.P.	K.W.	LPM	10	20	25	30	35	40
AP4S0510	10	0.5	0.37	Head Meters	58	55	50	45	40	35
AP4S7515	15	0.75	0.56		88	82	75	67	60	52
AP4X1018	18	1.0	0.75		104	99	90	84	72	63
AP4X1020	20	1.0	0.75		115	110	100	90	80	72
AP4X1525	25	1.5	1.12		145	137	125	113	100	87
AP4X2030	30	2.0	1.5		175	165	150	135	120	103
AP4X2035	35	2.0	1.5		202	193	175	157	140	122
AP4X3035	35	3.0	2.25		202	193	175	157	140	122
AP4X3040	40	3.0	2.25		235	220	200	180	160	140
AP4T5045	45	5.0	3.75		260	248	225	203	180	158
AP4T6550	50	6.5	4.87		290	275	250	225	200	175
AP4T6555	55	6.5	4.87		320	303	275	248	220	193
AP4T7560	60	7.5	5.62		350	330	300	270	240	210

45 LPM SERIES		OUTLET SIZE : 32 MM							2900 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE						
		H.P.	K.W.	LPM	20	30	35	40	45	50
AP4S0507	07	0.5	0.37	Head Meters	40	38	35	31	28	24
AP4S0508	08	0.5	0.37		46	44	41	36	32	28
AP4S07512	12	0.75	0.56		70	66	60	54	48	42
AP4S07510	10	0.75	0.56		58	55	50	45	40	35
AP4X1015	15	1.0	0.75		86	82	75	68	60	52
AP4X1520	20	1.5	1.12		115	110	100	90	80	70
AP4X2025	25	2.0	1.5		145	137	125	112	100	87
AP4X3030	30	3.0	2.25		175	165	150	135	120	105
AP4T4035	35	4.0	3.0		203	192	175	157	140	122
AP4T5040	40	5.0	3.75		240	192	175	180	160	140
AP4T6545	45	6.5	4.87		260	248	225	202	180	157
AP4T7555	55	7.5	5.62		318	302	275	247	220	190

NOTE: x= s for single phase & T for three phase



100mm (v4) Submersible Pumpsets (PREMIUM)

SELECTION CHART FOR ACUBE (100 MM) 4" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 100 mm borewell size or above (Min.Bore dia-100mm)
 Performance Chart at 2900 rpm, 230V Single phase/415V three phase, 50 Hz A.C. supply

70 LPM SERIES		OUTLET SIZE :32 MM		2900 RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	30	35	50	60	70	80	90
AP4S0506	6	0.5	0.37	Head Meters	33	31	27	26	23	20	16
AP4S0758	8	0.75	0.52		44	41	38	35	31	26	21
AP4X1010	10	1.0	0.75		55	52	48	44	38	32	27
AP4X1515	15	1.5	1.12		82	78	72	66	57	48	40
AP4X2020	20	2.0	1.5		110	104	96	88	76	64	54
AP4X3025	25	3.0	2.25		137	130	120	110	95	80	67
AP4T4030	30	4.0	3.0		165	156	144	132	114	96	81
AP4T5035	35	5.0	3.75		200	192	175	158	150	140	105
AP4T6540	40	6.5	4.87		230	220	200	180	170	160	120
AP4T7545	45	7.5	5.62		260	248	225	203	192	180	135
AP4T7550	50	7.5	5.62		290	275	250	225	213	200	150

100 LPM SERIES		OUTLET SIZE :40 MM		2900 RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	35	50	70	90	100	110	130
AP4S0756	6	0.75	0.56	Head Meters	33	32	30	27	24	22	12
AP4X1008	8	1.0	0.75		46	44	40	36	32	26	14
AP4X1512	12	1.5	1.12		68	64	58	54	48	42	24
AP4X2015	15	2.0	1.5		90	85	78	72	60	56	32
AP4X3020	20	3.0	2.25		110	106	98	90	80	70	40
AP4T4025	25	4.0	3.0		138	132	122	112	104	88	50
AP4T5030	30	5.0	3.75		165	160	147	135	120	105	60
AP4T6535	35	6.5	4.87		193	187	172	158	140	123	70
AP4T7540	40	7.5	5.62		225	214	196	181	162	140	80

120 LPM SERIES		OUTLET SIZE :50 MM		2900 RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	55	90	110	120	140	155	180
AP4X1007	7	1.0	0.75	Head Meters	40	38	35	31	28	25	21
AP4X1510	10	1.5	1.12		58	55	50	45	40	35	30
AP4X2012	12	2.0	1.5		70	67	60	54	48	42	36
AP4X3015	15	3.0	2.25		88	82	75	68	60	53	45
AP4T4020	20	4.0	3.0		116	110	100	90	80	88	75
AP4T5025	25	5.0	3.75		146	138	125	112	100	70	90
AP4T6530	30	6.5	4.87		172	165	150	135	120	105	60
AP4T7535	35	7.5	5.62		204	193	175	158	140	123	105

NOTE: x = s for single phase & T for three phase

100mm (v4) Submersible Pumpsets (PREMIUM)

SELECTION CHART FOR ACUBE (100 MM) 4" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 100 mm borewell size or above (Min.Bore dia-100mm)
 Performance Chart at 2900 rpm, 230V Single phase/415V three phase, 50 Hz A.C. supply

140 LPM SERIES		OUTLET SIZE :50 MM				2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	60	80	95	110	140	155	175
AP4X1006	6	1.0	0.75	Head Meters	35	33	30	27	24	15	12
AP4X1508	8	1.5	1.12		46	44	40	36	32	20	16
AP4X2010	10	2.0	1.5		58	55	50	45	40	25	20
AP4X3013	12	3.0	2.25		75	71	65	60	52	30	24
AP4T4015	15	4.0	3.0		87	82	75	68	60	37	30
AP4T5020	20	5.0	3.75		115	110	100	90	80	60	40
AP4T6525	25	6.5	4.82		144	137	125	112	100	75	50
AP4T7530	30	7.5	5.62		173	165	150	135	120	90	60

165 LPM SERIES		OUTLET SIZE :50 MM				2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	80	100	120	145	165	185	200
AP4X1004	4	1.0	0.75	Head Meters	22	20	18	16	14	10	7
AP4X1506	6	1.5	1.12		33	30	27	24	21	15	11
AP4X2008	8	2.0	1.5		44	40	36	32	28	20	15
AP4X3010	10	3.0	2.25		55	50	45	40	35	25	19
AP4T4012	12	4.0	3.0		66	60	54	48	42	30	22
AP4T5015	15	5.0	3.75		86	82	75	67	60	45	30
AP4T6520	20	6.5	4.82		115	110	100	90	80	60	40
AP4T7525	25	7.5	5.62		144	138	125	113	100	75	50

250 LPM SERIES		OUTLET SIZE :50 MM				2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	150	175	225	250	280	330	370
AP4X2007	7	2.0	1.5	Head Meters	24	23	21	19	17	12	7
AP4X3008	8	3.0	2.25		28	26	24	22	21	14	11
AP4T4010	10	4.0	3.0		35	32	30	27	25	18	14
AP4T5010	10	5.0	3.75		35	32	30	27	31	18	14
AP4T5012	12	5.0	3.75		42	39	36	33	31	36	16
AP4T6515	15	6.5	4.82		52	48	45	40	37	27	21
AP4T7518	18	7.5	5.62		63	57	54	48	45	32	25

NOTE: x= s for single phase & T for three phase



100mm (v4) Submersible Pumpsets(DELUXE)

Acube brand makes highly efficient durable and best quality V4 submersible SS pump set with water filled motors.

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Impeller are high quality 30%glass filled engineering polymer.
- All sleeve are hardchrome plated to ensure the long life in sandy condition.
- Lip seals and Bushes are well protected by sand guards for sand friendly operation.
- Polymer parts are well protected by metallic wear ring.
- Heavy duty specially designed carbon thrust bearing.
- Built in NRV with minimum friction to prevent back flow.
- Easy in assembly and disassembly for servicing.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Domestic water supply
- Housing complex, bungalows.
- Dairies, cattle and poultry farms
- Fire fighting, pressure booster
- Solar pumping stations
- Fountains, lawn, garden

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	VERGINE GF>30
Bearing housing	CI FG 200	Diffuser	SS - 304
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	CI FG 200
Thrust bearing	AISI 420 / CARBON	NRV	CI FG 200
Stamping	Silicon steel	Bush bearing	BRONZE LTB-4

Note- Motor in ss construction can be given on request.

Note

1. Motor upto 5.0HP are available in single phase and three phase both, 6 & 7.5 hp are only in three phase,
2. Standard single phase motor is designed for rated voltage 230V.
3. Standard Three phase motor is designed for rated voltage 380V.
4. Selected models are also available with ISI mark/BEE star Rating,

100mm (v4) Submersible Pumpsets(DELUXE)

SELECTION CHART FOR ACUBE (100 MM) 4" SUBMERSIBLE SS PUMP SETS

Pumpsets suitable for 100 mm borewell size or above (Min.Bore dia-100mm)
Performance Chart at 2900 rpm, 230V Single phase/415V three phase, 50 Hz A.C. supply

42 LPM SERIES		OUTLET SIZE : 32 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	30	35	42	48	60		
AP4SS0510	10	0.5	0.37	Head Meters	55	50	45	40	35	30	20
AP4SS07515	15	0.75	0.56		82	75	67	60	52	45	30
AP4XS1018	18	1.0	0.75		99	90	84	72	63	54	36
AP4XS1020	20	1.0	0.75		110	100	90	80	72	60	40
AP4XS1525	25	1.5	1.12		137	125	113	100	87	75	50
AP4XS2030	30	2.0	1.5		165	150	135	120	103	90	60
AP4XS2035	35	2.0	1.5		193	175	157	140	122	105	70
AP4XS3035	35	3.0	2.25		201	182	165	146	128	112	73
AP4XS3040	40	3.0	2.25		220	200	180	160	140	120	80
AP4TS5045	45	5.0	3.75		248	225	203	180	157	135	90
AP4TS5050	50	5.0	3.75		275	250	225	200	175	150	100
AP4TS6550	50	6.5	4.87		275	250	225	200	175	150	100
AP4TS6555	55	6.5	4.87		303	275	248	220	193	165	110
AP4TS7560	60	7.5	5.62		330	300	270	240	210	180	120

50 LPM SERIES		OUTLET SIZE : 32 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	35	42	50	60	70		
AP4SS0507	07	0.5	0.37	Head Meters	38	35	31	28	24	20	14
AP4SS0508	08	0.5	0.37		44	41	36	32	28	24	16
AP4SS07510	10	0.75	0.56		55	50	45	40	35	30	20
AP4SS07512	12	0.75	0.56		66	60	54	48	42	35	24
AP4XS1015	15	1.0	0.75		82	75	68	60	52	44	30
AP4XS1520	20	1.5	1.12		110	100	90	80	70	58	40
AP4XS2025	25	2.0	1.5		137	125	112	100	87	72	50
AP4XS3030	30	3.0	2.25		165	150	135	120	105	86	60
AP4TS5040	40	5.0	3.75		192	175	180	160	140	120	80
AP4TS6545	45	6.5	4.87		248	225	202	180	157	135	90
AP4TS7555	55	7.5	5.62		302	275	247	220	190	160	110

NOTE: x = s for single phase & T for three phase



100mm (v4) Submersible Pumpsets(DELUXE)

SELECTION CHART FOR ACUBE (100 MM) 4" SUBMERSIBLE SS PUMP SETS

Pumpsets suitable for 100 mm borewell size or above (Min.Bore dia-100mm)
 Performance Chart at 2900 rpm, 230V Single phase/415V three phase, 50 Hz A.C. supply

75 LPM SERIES		OUTLET SIZE :32 MM				2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	35	45	65	75	90	105	
AP4SS0505	5	0.5	0.37	Head Meters	27	26	24	22	19	16	13
AP4SS0758	8	0.75	0.52		44	41	38	35	31	26	21
AP4XS1010	10	1.0	0.75		55	52	48	44	38	32	27
AP4XS1515	15	1.5	1.12		82	78	72	66	57	48	40
AP4XS2020	20	2.0	1.5		110	104	96	88	76	64	54
AP4XS3025	25	3.0	2.25		137	130	120	110	95	80	67
AP4TS5035	35	5.0	3.75		210	192	175	158	150	140	105
AP4TS6540	40	6.5	4.87		240	220	200	180	170	160	120
AP4TS7545	45	7.5	5.62		270	248	225	203	192	180	135

110 LPM SERIES		OUTLET SIZE :40 MM				2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	45	65	80	95	110	125	
AP4SS0756	6	0.75	0.56	Head Meters	36	32	30	27	24	22	12
AP4XS1009	9	1.0	0.75		54	48	44	40	36	32	18
AP4XS1512	12	1.5	1.12		72	64	58	54	48	42	24
AP4XS2015	15	2.0	1.5		96	85	78	72	64	56	32
AP4XS3020	20	3.0	2.25		120	106	98	90	80	70	40
AP4TS5030	30	5.0	3.75		195	180	165	150	135	110	60
AP4TS6535	35	6.5	4.87		227	210	192	175	158	125	70
AP4TS7540	40	7.5	5.62		260	240	220	200	180	143	90

130 LPM SERIES		OUTLET SIZE :50 MM				2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	50	70	90	110	130	150	
AP4XS1008	8	1.0	0.75	Head Meters	48	44	40	36	32	28	24
AP4XS1510	10	1.5	1.12		60	55	50	45	40	35	30
AP4XS2012	12	2.0	1.5		84	77	70	63	56	49	42
AP4XS3015	15	3.0	2.25		108	99	90	81	72	68	54
AP4TS5025	25	5.0	3.75		165	150	138	125	100	90	75
AP4TS6530	30	6.5	4.87		180	165	150	135	120	105	90
AP4TS7535	35	7.5	5.62		210	193	175	158	140	123	105

NOTE: x = s for single phase & T for three phase

100mm (V4MF) Submersible Pumpsets(MF SERIES)



Acube brand makes highly efficient durable and best quality V4 submersible MF pump set with water filled motors.

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Impeller are high quality 30%glass filled engineering polymer.
- All sleeve are hardchrome plated to ensure the long life in sandy condition.
- Lip seals and Bushes are well protected by sand guards for sand friendly operation.
- Polymer parts are well protected by metallic wear ring.
- Heavy duty specially designed carbon thrust bearing.
- Built in NRV with minimum friction to prevent back flow.
- Easy in assembly and disassembly for servicing.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Domestic water supply
- Housing complex, bungalows.
- Dairies, cattle and poultry farms
- Fire fighting, pressure booster
- Solar pumping stations
- Fountains, lawn, garden

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	Noryl_GFN3.
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note

1. Motor 2 HP TO 5 HP are available in single phase and three phase both.
2. Standard single phase motor is designed for rated voltage 230V.
3. Standard Three phase motor is designed for rated voltage 380V.
4. Selected models are also available with ISI mark/BEE star Rating,



100mm (V4MF) Submersible Pumpsets(MF SERIES)

SELECTION CHART FOR ACUBE (100 MM) 4" SUBMERSIBLE MIX FLOW PUMP SETS

Pumpsets suitable for 100 mm borewell size or above (Min.Bore dia-100mm)
Performance Chart at 2900 rpm, 230V Single phase/415V three phase, 50 Hz A.C. supply

320 LPM SERIES		OUTLET SIZE : 65 MM								2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
		H.P.	K.W.	LPM	140	180	200	220	260	320	390	420	460
AP4XMF206	6	2	1.5	Head Meters	27	26	24	23	21	18	15	12	9
AP4XMF207	7	2	1.5		31	29	27	26	24	21	17	14	10
AP4XMF308	8	3	2.25		36	34	32	30	28	24	20	16	12
AP4XMF309	9	3	2.25		41	38	36	34	32	27	23	18	14
AP4XMF410	10	4	3.0		45	43	40	38	35	30	25	20	15
AP4XMF510	10	5	3.75		45	43	40	38	35	30	25	20	15
AP4XMF512	12	5	3.75		54	51	48	45	42	36	30	24	18
AP4XMF515	15	5	3.75		68	64	60	56	53	45	38	30	23

NOTE: x= s for single phase & T for three phase

130mm (V5) Submersible Pumpsets(NORYL SERIES)

Acube brand makes highly efficient durable and best quality V5 submersible pump set with water filled motors



SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Impeller and diffusers are high quality 30% glass filled engineering polymer.
- All sleeves are hard chrome plated to ensure the long life in sandy condition.
- Lip seals and bushes are well protected by sand guards for sand friendly operation.
- Polymer parts are well protected by metallic wear ring.
- Heavy duty specially designed carbon thrust bearing.
- Built in NRV with minimum friction to prevent back flow.
- Easy in assembly and disassembly for servicing.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	Noryl_GFN3
Bearing housing	CI FG 200	Diffuser	Noryl_GFN3
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	CI FG 200
Thrust bearing	AISI 420 / CARBON	NRV	CI FG 200
Stamping	Silicon steel	Bush bearing	BRONZE LTB-4

Note

1. Standard Three phase motor is designed for rated voltage 380V.
2. Selected models are also available with ISI mark/BEE star Rating,



130mm (V5) Submersible Pumpsets(NORYL SERIES)

"The Pumping Innovation"

SELECTION CHART FOR ACUBE (125 MM) 5" SUBMERSIBLE NORYL PUMP SETS

Pumpsets suitable for 125 mm borewell size or above (Min.Bore dia-125mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

105 LPM SERIES		OUTLET SIZE : 40 MM		2900 RPM								
MODEL CODE	STG	MOTOR RATING		LPM	DISCHARGE IN LPM							
		H.P.	K.W.		0	80	105	135	160	180	195	210
AP5N3010	10	3.0	2.25	Head Meters	107	90	80	70	60	50	40	30
AP5N4012	12	4.0	3.00		128	108	96	84	75	60	48	36
AP5N5015	15	5.0	3.75		160	135	120	105	90	75	60	45
AP5N6020	20	6.0	4.5		213	180	160	140	120	100	80	60
AP5N7525	25	7.5	5.6		267	225	200	175	150	125	100	75
AP5N1030	30	10	7.5		320	270	140	210	180	150	120	90

135 LPM SERIES		OUTLET SIZE : 40 MM		2900 RPM								
MODEL CODE	STG	MOTOR RATING		LPM	DISCHARGE IN LPM							
		H.P.	K.W.		0	100	135	160	185	205	230	245
AP5N3007	7	3.0	2.25	Head Meters	75	63	56	49	42	35	28	21
AP5N4010	10	4.0	3.00		107	90	80	70	60	50	40	30
AP5N5012	12	5.0	3.75		128	108	96	84	72	60	48	36
AP5N6015	15	6.0	4.5		160	135	120	105	90	75	60	45
AP5N7520	20	7.5	5.6		213	180	160	140	120	100	80	60
AP5N1025	25	10	7.5		267	225	200	175	150	125	100	75

175 LPM SERIES		OUTLET SIZE : 50 MM		2900 RPM								
MODEL CODE	STG	MOTOR RATING		LPM	DISCHARGE IN LPM							
		H.P.	K.W.		0	140	175	200	225	245	260	275
AP5N3006	6	3.0	2.25	Head Meters	64	54	48	42	36	30	24	18
AP5N4008	8	4.0	3.00		85	72	64	56	48	40	32	24
AP5N5010	10	5.0	3.75		107	90	80	70	60	50	40	30
AP5N6012	12	6.0	4.5		128	108	96	84	72	60	48	36
AP5N7515	15	7.5	5.6		160	135	120	105	90	75	60	45
AP5N1020	20	10	7.5		213	180	160	140	120	100	80	60

220 LPM SERIES		OUTLET SIZE : 50 MM		2900 RPM								
MODEL CODE	STG	MOTOR RATING		LPM	DISCHARGE IN LPM							
		H.P.	K.W.		0	195	220	240	260	280	295	310
AP5N3005	5	3.0	2.25	Head Meters	53	45	40	35	30	25	20	15
AP5N4006	6	4.0	3.00		64	54	48	42	36	30	24	18
AP5N5008	8	5.0	3.75		85	72	64	56	48	40	32	24
AP5N6010	10	6.0	4.5		107	90	80	70	60	50	40	30
AP5N7512	12	7.5	5.6		128	108	96	84	72	60	48	36
AP5N1015	15	10	7.5		160	135	120	105	90	75	60	45

130mm (V5) Submersible Pumpsets(K35CS SERIES)



Acube brand makes highly efficient durable and best quality V5K35CS submersible pump set with water filled motors.

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.
- Built in NRV with minimum friction

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	SS FEB.
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/420	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

1. Standard Motors are designed for rated voltage 380V
2. Motors are also available for rated voltage 350V & 415V on request.
3. Selected models are also available with ISI mark/BEE Star rating mark.



130mm (V5) Submersible Pumpsets(K35CS SERIES)

SELECTION CHART FOR ACUBE (130 MM) 5" SUBMERSIBLE CI SS PUMP SETS

Pumpsets suitable for 130 mm borewell size or above (Min.Bore dia-130mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

90 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM						
MODEL CODE	STG	MOTOR RATING		DISCHARGE										
				LPM	20	60	80	90	140	160	180			
AP5CS3012	12	H.P.	3	108	96	88	78	60	48	36	Head Meters			
AP5CS4016	16	K.W.	2.25	144	128	118	104	80	64	48				
AP5CS5020	20	H.P.	4	180	160	147	130	100	80	60				
AP5CS6024	24	K.W.	3.0	216	192	176	156	120	96	72				
AP5CS7530	30	H.P.	5	270	240	220	195	150	120	90				
AP5CS1040	40	K.W.	3.75	360	320	294	260	200	160	120				
			7.5											

100 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM						
MODEL CODE	STG	MOTOR RATING		DISCHARGE										
				LPM	30	60	80	100	130	150	170			
AP5CS3010	10	H.P.	3	90	80	70	65	50	40	30	Head Meters			
AP5CS4012	12	K.W.	2.25	108	96	84	78	60	48	36				
AP5CS5015	15	H.P.	4	135	120	105	98	75	60	45				
AP5CS6020	20	K.W.	3.0	180	160	140	130	100	80	60				
AP5CS7525	25	H.P.	5	225	200	175	163	125	100	75				
AP5CS1030	30	K.W.	3.75	270	240	210	195	150	120	90				
AP5CS12540	40	H.P.	6	360	320	280	260	200	160	120				
			7.5											

170 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM						
MODEL CODE	STG	MOTOR RATING		DISCHARGE										
				LPM	70	125	160	170	195	220	250			
AP5CS3008	8	H.P.	3	72	64	56	52	48	40	32	Head Meters			
AP5CS4010	10	K.W.	2.25	90	80	70	65	60	50	40				
AP5CS5012	12	H.P.	4	108	96	84	78	72	60	48				
AP5CS6015	15	K.W.	3.0	135	120	105	98	90	75	60				
AP5CS7520	20	H.P.	5	180	160	140	130	120	100	80				
AP5CS1025	25	K.W.	3.75	225	200	175	163	150	125	100				
AP5CS12530	30	H.P.	6	270	240	210	195	180	150	120				
			7.5											

200 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM						
MODEL CODE	STG	MOTOR RATING		DISCHARGE										
				LPM	100	150	180	200	240	260	280			
AP5CS3006	6	H.P.	3	54	48	42	39	30	24	18	Head Meters			
AP5CS4008	8	K.W.	2.25	72	64	56	52	40	32	24				
AP5CS5010	10	H.P.	4	90	80	70	65	50	40	30				
AP5CS6012	12	K.W.	3.0	108	96	84	78	60	48	36				
AP5CS7515	15	H.P.	5	135	120	105	98	75	60	45				
AP5CS1020	20	K.W.	3.75	180	160	140	130	100	80	60				
AP5CS12525	25	H.P.	6	225	200	175	163	150	125	100				
			7.5											

130mm (V5) Submersible Pumpsets(K35CS SERIES)

SELECTION CHART FOR ACUBE (130 MM) 5" SUBMERSIBLE CI SS PUMP SETS

Pumpsets suitable for 130 mm borewell size or above (Min.Bore dia-130mm)
 Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

260 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
				LPM	130	180	220	240	265		
		H.P.	K.W.						290		
AP5CS3005	5	3	2.25		45	40	35	33	25	20	15
AP5CS4006	6	4	3.0		54	48	42	39	30	24	18
AP5CS5008	8	5	3.75		72	64	56	52	40	32	24
AP5CS6010	10	6	4.5		90	80	70	65	50	40	30
AP5CS7512	12	7.5	5.62		108	96	84	78	60	48	36
AP5CS1016	16	10	7.5		144	128	112	104	80	64	48
AP5CS1220	20	12.5	9.3		180	160	140	130	100	80	60

300 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
				LPM	110	185	240	280	300		
		H.P.	K.W.						320		
AP5CS3004	4	3	2.25		40	36	32	26	24	20	16
AP5CS4005	5	4	3.0		50	45	40	33	30	25	20
AP5CS5006	6	5	3.75		54	48	42	39	36	30	24
AP5CS6008	8	6	4.5		80	72	64	52	48	40	32
AP5CS7510	10	7.5	5.62		100	90	80	65	60	50	40
AP5CS1012	12	10	7.5		108	96	84	78	72	60	48
AP5CS1215	15	12.5	9.3		150	135	120	98	90	75	60

330 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
				LPM	150	230	270	310	330		
		H.P.	K.W.						350		
AP5CS3003	3	3	2.25		30	27	24	20	18	15	12
AP5CS4004	4	4	3.0		40	36	32	26	24	20	16
AP5CS5005	5	5	3.75		50	45	40	33	30	25	20
AP5CS6006	6	6	4.5		60	54	48	39	36	30	24
AP5CS7508	8	7.5	5.62		80	72	64	52	48	40	32
AP5CS1010	10	10	7.5		100	90	80	65	60	50	40
AP5CS1212	12	12.5	9.3		120	108	96	78	72	60	48



130mm (V5) Submersible Pumpsets(DELUXE)

Acube brand makes highly efficient durable and best quality V5 submersible SS pump set with water filled motors.

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All sleeve are hardchrome plated to ensure the long life in sandy condition.
- Lip seals and Bushes are well protected by sand guards for sand friendly operation.
- Polymer parts are well protected by metallic wear ring.
- Heavy duty specially designed carbon thrust bearing.
- Built in NRV with minimum friction to prevent back flow.
- Easy in assembly and disassembly for servicing.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Domestic water supply
- Irrigation of farms / fields
- Housing complex, bungalows.
- Dairies, cattle and poultry farms
- Fire fighting, pressure booster
- Solar pumping stations
- Fountains, lawn, garden

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	SS 410
Bearing housing	CI FG 200	Diffuser	SS - 304
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	CI FG 200
Thrust bearing	AISI 420 / CARBON	NRV	CI FG 200
Stamping	Silicon steel	Bush bearing	BRONZE LTB-4

Note- Motor in ss construction can be given on request.

Note

1. Standard single phase motor is designed for rated voltage 230V.
2. Standard Three phase motor is designed for rated voltage 380V.
3. Selected models are also available with ISI mark/BEE star Rating,

130mm (V5) Submersible Pumpsets(DELUXE)

SELECTION CHART FOR ACUBE (130 MM) 5" SUBMERSIBLE S.S PUMP SETS

Pumpsets suitable for 130 mm borewell size or above (Min.Bore dia-130mm)
 Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

105 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
				LPM	60	80	95	105	115	125	150		
		H.P.	K.W.	Head Meters	110	100	90	80	70	60	40		
AP5S3010	10	3	2.25		143	130	117	104	91	77	52		
AP5S4013	13	4	3.0		176	160	144	128	112	96	64		
AP5S5016	16	5	3.75		220	200	180	160	140	120	80		
AP5S6020	20	6	4.5		275	250	225	200	175	150	100		
AP5S7525	25	7.5	5.6		363	330	297	264	231	198	172		
AP5S1033	33	10	7.5										

130 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
				LPM	80	100	115	130	140	150	182		
		H.P.	K.W.	Head Meters	77	70	63	56	49	42	28		
AP5S3007	7	3	2.25		110	100	90	80	70	60	40		
AP5S4010	10	4	3.0		132	120	108	96	84	72	48		
AP5S5012	12	5	3.75		165	150	135	120	105	90	60		
AP5S6015	15	6	4.5		209	190	171	152	133	114	76		
AP5S7519	19	7.5	5.6		275	250	225	200	175	150	100		
AP5S1025	25	10	7.5										

180 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
				LPM	80	120	155	185	205	230	260		
		H.P.	K.W.	Head Meters	66	60	54	48	42	36	24		
AP5S3006	6	3	2.25		88	80	72	64	56	48	32		
AP5S4008	8	4	3.0		110	100	90	80	70	60	40		
AP5S5010	10	5	3.75		132	120	108	96	84	72	48		
AP5S6012	12	6	4.5		165	150	135	120	105	90	60		
AP5S7515	15	7.5	5.6		220	200	180	160	140	120	80		
AP5S1020	20	10	7.5										



130mm (V5) Submersible Pumpsets(DELUXE)

SELECTION CHART FOR ACUBE (130 MM) 5" SUBMERSIBLE S.S PUMP SETS

Pumpsets suitable for 130 mm borewell size or above (Min.Bore dia-130mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

205 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	Head Meters	LPM	95	135	175	205	230	250
AP5S3005	5	3	2.25		55	50	45	40	35	30	10
AP5S4006	6	4	3.0		66	60	54	48	42	36	14
AP5S5008	8	5	3.75		88	80	72	64	56	48	32
AP5S6010	10	6	4.5		110	100	90	80	70	60	40
AP5S7512	12	7.5	5.6		132	120	108	96	84	72	48
AP5S1016	16	10	7.5		176	160	144	128	112	96	64

255 LPM SERIES		OUTLET SIZE :50 MM						2900 RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	Head Meters	LPM	130	170	215	255	290	325
AP5S3004	4	3	2.25		44	40	36	32	28	24	16
AP5S4005	5	4	3.0		55	50	45	40	35	30	20
AP5S5006	6	5	3.75		66	60	54	48	42	36	24
AP5S6008	8	6	4.5		88	80	72	64	56	48	32
AP5S7510	10	7.5	5.6		110	100	90	80	70	60	40
AP5S1012	12	10	7.5		132	120	108	96	84	72	48

130mm (V5) Submersible Pumpsets(MF SERIES)



Acube brand makes highly efficient durable and best quality V5 MF submersible pump set with water filled motors.

SALIENT FEATURES

- motor design for wide voltage range.
- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life End vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	S.S 410
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note

1. Standard Motors are designed for rated voltage 380V
2. Motors are also available for rated voltage 350V & 415V on request.
3. Selected models are also available with ISI mark/BEE Star rating mark.



130mm (V5) Submersible Pumpsets(MF SERIES)

SELECTION CHART FOR ACUBE (130 MM) 5" SUBMERSIBLE MIX FLOW PUMP SETS

Pumpsets suitable for 130 mm borewell size or above (Min.Bore dia-130mm)
Performance Chart at 2850 rpm, 415V three phase, 50 Hz A.C. supply

450 LPM SERIES		OUTLET SIZE :65 MM						2850 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	250	325	400	440	500
AP5MF303	3	3	2.25	Head Meters					
					25	24	22	20	18
	5	5	3.75		42	40	36	33	30
	6	6	4.5		50	48	43	40	36
	8	7.5	5.6		67	64	58	53	48
500 LPM SERIES		OUTLET SIZE :65 MM						2850 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	240	310	430	500	590
AP5MF504	4	5	3.75	Head Meters					
					36	32	28	24	20
	5	6	4.5		45	40	35	30	25
	6	7.5	5.6		54	48	42	36	30
550 LPM SERIES		OUTLET SIZE :65 MM						2850 RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	230	330	470	550	640
AP5MF503	3	5	3.75	Head Meters					
					59	26	23	20	17
	4	6	4.5		38	34	30	26	22
	5	7.5	5.6		47	42	37	32	27

150mm (V6) Submersible Pumpsets(V6K40 SERIES)

Acube brand makes highly efficient durable and best quality V6 submersible pump set with water filled motors.



SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low voltage with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.
- Built in NRV with minimum friction
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	SS 410
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/420	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note

1. 3.0 HP / 5.0 HP Available in single phase 230V
2. Standard Motors are designed for rated voltage 380V
3. Motors are also available for rated voltage 350V & 415V on request.
4. Selected models are also available with ISI mark/BEE Star rating mark.



150mm (V6) Submersible Pumpsets(V6K40 SERIES)

SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

120 LPM SERIES		OUTLET SIZE :50 MM					2900RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	50	70	100	120	150
AP6403010	10	3.0	2.25				86	79	69
AP6404012	12	4.0	3.0		95	90			62
AP6405015	15	5.0	3.75		114	108	103	95	83
AP6406020	20	6.0	4.5		143	135	123	119	104
AP6407524	24	7.5	5.5		190	180	172	158	138
AP6401030	30	10.0	7.5		228	216	206	190	166
AP64012538	38	12.5	9.37		285	270	255	240	210
					370	342	323	304	266
								230	187

150 LPM SERIES		OUTLET SIZE :50 MM					2900RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	70	100	120	150	180
AP6403008	8	3.0	2.2				69	63	55
AP6404010	10	4.0	3.0		76	72			49
AP6405012	12	5.0	3.7		95	90	86	79	69
AP6406014	14	6.0	4.5		114	108	103	95	83
AP6406015	15	6.0	4.5		133	126	120	111	97
AP6407518	18	7.5	5.5		143	135	129	119	104
AP6407520	20	7.5	5.5		171	162	155	142	124
AP6401024	24	10.0	7.5		190	180	172	158	138
AP64012530	30	12.5	9.37		228	216	206	190	166
					285	270	256	237	206
								183	148

190 LPM SERIES		OUTLET SIZE :50 MM					2900RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE						
		H.P.	K.W.	LPM	120	140	160	190	240	280
AP6403006	6	3.0	2.2				52	47	42	34
AP6404008	8	4.0	3.0		57	55				25
AP6405010	10	5.0	3.7		76	73	70	62	56	46
AP6406012	12	6.0	4.5		95	91	87	78	70	57
AP6407514	14	7.5	5.5		114	109	104	94	84	68
AP6407515	15	7.5	5.5		133	127	122	109	98	80
AP6401020	20	10.0	7.5		143	137	131	117	105	86
AP64012525	25	12.5	9.3		190	182	174	156	140	114
AP6401530	30	15.0	11.25		238	228	218	195	175	143
AP64017535	35	17.5	13.12		286	275	260	235	210	172
					362	348	328	298	266	218
										160

150mm (V6) Submersible Pumpsets(V6K40 SERIES)

SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
 Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

250LPM SERIES		OUTLET SIZE :50 MM						2900RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
		H.P.	K.W.	LPM	150	190	220	250	270	300	350		
AP6403005	5	3.0	2.2	Head Meters									
AP6404007	7	4.0	3.0		49	47	45	41	37	31	21		
AP6405008	8	5.0	3.7		69	64	60	57	52	45	33		
AP6406010	10	6.0	4.5		78	75	71	66	58	49	34		
AP6407512	12	7.5	5.5		98	94	89	82	73	61	42		
AP6401015	15	10.0	7.5		118	113	107	98	88	73	50		
AP6401016	16	10.0	7.5		147	141	134	123	110	92	63		
AP64012520	20	12.5	9.3		157	150	142	131	117	98	67		
AP6401525	25	15.0	11.25		196	188	178	164	146	122	84		
					245	235	223	205	183	153	105		

270 LPM SERIES		OUTLET SIZE :50 MM						2900RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
		H.P.	K.W.	LPM	160	210	240	270	300	340	380		
AP6403004	4	3.0	2.2	Head Meters									
AP6404005	5	4.0	3.0		42	40	37	34	31	27	21		
AP6405006	6	5.0	3.7		52	50	47	43	38	34	26		
AP6406008	8	6.0	4.5		62	59	56	51	46	40	31		
AP6407510	10	7.5	5.5		83	79	74	68	61	54	42		
AP6401012	12	10.0	7.5		104	99	93	85	77	66	52		
AP64012516	16	12.5	9.3		125	119	112	102	92	80	62		
AP6401520	20	15.0	11.25		166	158	149	136	122	107	83		
AP6402025	25	20.0	15.0		208	198	186	170	153	134	104		
					260	245	232	213	191	166	128		

350 LPM SERIES		OUTLET SIZE :50 MM						2900RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE									
		H.P.	K.W.	LPM	220	270	310	350	390	430	470		
AP6403003	3	3.0	2.2	Head Meters									
AP6404004	4	4.0	3.0		31	30	28	26	24	19	13		
AP6405005	5	5.0	3.7		41	40	38	35	32	26	17		
AP6406006	6	6.0	4.5		52	50	47	44	40	32	22		
AP6407507	7	7.5	5.5		62	59	56	53	47	38	26		
AP6407508	8	7.5	5.5		72	69	66	61	55	45	30		
AP6401010	10	10.0	7.5		82	79	75	70	63	51	34		
AP64012512	12	12.5	9.3		103	99	94	88	79	64	43		
AP6401514	14	15.0	11.0		124	119	113	105	95	77	52		
AP6401515	15	15.0	11.0		144	139	132	123	111	90	60		
AP6402018	18	20.0	15.0		155	149	141	131	119	96	65		
AP6402020	20	20.0	15.0		185	178	169	158	142	115	77		
				206	198	188	175	158	128	86			



150mm (V6) Submersible Pumpsets(V6MF SERIES)

Acube brand makes highly efficient durable and best quality V6 submersible pump set with water filled motors.

SALIENT FEATURES

- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low voltage with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.
- Built in NRV with minimum friction
- All C.I. parts are in C.E.D. Coated

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	SS 410
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/420	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note

1. 3.0 HP / 5.0 HP Available in single phase 230V
2. Standard Motors are designed for rated voltage 380V
3. Motors are also available for rated voltage 350V & 415V on request.
4. Selected models are also available with ISI mark/BEE Star rating mark.

150mm (V6) Submersible Pumpsets(V6MF SERIES)



SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE MIX FLOW PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

400 LPM SERIES		OUTLET SIZE :65 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	150	300	370	400	470	500	540
AP6MF304	4	3	2.2	Head Meters	40	36	30	28	24	20	16
AP6MF405	5	4	3.0		50	45	40	35	30	25	20
AP6MF506	6	5	3.7		60	54	48	42	36	30	24
AP6MF608	8	6	4.5		80	72	64	56	48	50	32
AP6MF7510	10	7.5	5.5		100	90	80	70	60	50	40
AP6MF1012	12	10	7.5		120	108	96	84	72	60	48
AP6MF12515	15	12.5	9.3		150	135	120	105	90	75	60
AP6MF1518	18	15	11.0		180	162	144	126	108	90	72
AP6MF17522	22	17.5	13.0		220	198	176	154	132	110	88
AP6MF2520	25	20	15.0		250	225	200	175	175	125	100

500 LPM SERIES		OUTLET SIZE :65 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	200	380	430	500	550	580	630
AP6MF303	3	3	2.2	Head Meters	30	27	24	21	24	20	12
AP6MF404	4	4	3.0		40	36	32	28	24	20	16
AP6MF505	5	5	3.7		50	45	40	35	30	25	20
AP6MF606	6	6	4.5		60	54	48	42	36	30	24
AP6MF758	8	7.5	5.5		80	72	64	56	48	40	30
AP6MF1010	10	10	7.5		10	90	80	70	60	50	40
AP6MF12512	12	12.5	9.3		120	108	96	84	72	60	48
AP6MF1515	15	15	11.0		150	135	120	105	90	75	60
AP6MF17518	18	17.5	13.0		180	162	144	126	108	90	72
AP6MF2020	20	20	15.0		200	180	160	140	120	100	80

550 LPM SERIES		OUTLET SIZE :65 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	200	350	450	540	600	700	750
AP6MF504	4	5	3.0	Head Meters	44	40	36	32	28	24	20
AP6MF605	5	6	3.7		55	50	45	40	35	30	25
AP6MF756	6	7.5	4.5		66	60	54	48	42	36	30
AP6MF108	8	10	5.5		88	80	72	64	56	48	40
AP6MF12510	10	12.5	7.5		110	100	90	80	70	60	50
AP6MF1512	12	15	9.3		132	120	108	96	84	72	60
AP6MF17514	14	17.5	11.0		154	140	126	112	98	84	70
AP6MF2016	16	20	13.0		176	160	144	128	112	96	80
AP6MF2520	20	25	15.0		240	20	180	160	140	120	100



150mm (V6) Submersible Pumpsets(V6MF SERIES)

SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE MIX FLOW PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

600 LPM SERIES		OUTLET SIZE :75 MM						2900RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	280	450	570	600	710
AP6MF503	3	5	3.7	Head Meters	33	30	27	24	24
AP6MF604	4	6	4.5		44	40	36	32	28
AP6MF755	5	7.5	5.5		55	50	45	40	35
AP6MF107	7	10	7.5		77	70	63	56	49
AP6MF1258	8	12.5	9.3		88	80	72	64	56
AP6MF1510	10	15	11.0		110	100	90	80	70
AP6MF17512	12	17.5	13.0		132	120	108	96	84
AP6MF2013	13	20	15.0		143	130	117	104	91
AP6MF2516	16	25	18.5		176	160	144	128	112
									96 80

750 LPM SERIES		OUTLET SIZE :75 MM						2900RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	450	570	680	780	850
AP6MF603	3	6	4.5	Head Meters	33	30	27	24	24
AP6MF754	4	7.5	5.5		44	40	36	32	28
AP6MF1005	5	10	7.5		55	50	45	40	35
AP6MF1256	6	12.5	9.3		66	60	54	48	42
AP6MF157	7	15	11.0		77	70	63	56	49
AP6MF1759	9	17.5	11.0		99	90	81	72	63
AP6MF2010	10	20	13.0		110	100	90	80	70
AP6MF2512	12	25	15.0		132	120	108	96	84
									72 60

950 LPM SERIES		OUTLET SIZE :75 MM						2900RPM	
MODEL CODE	STG	MOTOR RATING		DISCHARGE					
		H.P.	K.W.	LPM	550	700	880	950	1100
AP6MF502	2	5	3.7	Head Meters	22	20	18	16	14
AP6MF753	3	7.5	5.5		33	30	27	24	21
AP6MF104	4	10	7.5		44	40	36	32	28
AP6MF1255	5	12.5	9.3		55	50	45	40	35
AP6MF156	6	15	11.0		66	60	54	48	42
AP6MF1757	7	17.5	13.0		77	70	63	56	49
AP6MF208	8	20	15.0		88	80	70	64	56
AP6MF2510	10	25	18.5		110	100	90	80	70
									60 50

150mm (V6) High Head Submersible Pumpsets(V6K50 SERIES)



**60/70
FEET HEAD
PER STAGE**



Acube brand makes highly efficient durable and best quality V6 submersible pump set with water filled motors.

SALIENT FEATURES

- High efficient investment casting process diffusers are used with AISI 304 Material.
- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low voltage with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	S.S. 410
Bearing housing	C I FG 200	Diffuser	SS 304
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note: CI FG 200 DIFFUSER ARE AVAILABLE ON REQUEST

Note

1. Standard Motors are designed for rated voltage 380V
2. Motors are also available for rated voltage 350V & 415V on request.
3. Selected models are also available with ISI mark/BEE Star rating mark.



150mm (V6) High Head Submersible Pumpsets(V6K50 SERIES)

SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

120 LPM SERIES		OUTLET SIZE :50 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	40	70	90	120	130	150	
AP6503006	6	3.0	2.2	Head Meters	85	83	81	72	69	57	37
AP6504008	8	4.0	3.0		114	110	108	96	92	76	49
AP6505010	10	5.0	3.7		142	138	135	120	115	95	61
AP6506012	12	6.0	4.5		170	166	162	144	138	114	73
AP6507515	15	7.5	5.5		213	207	203	180	173	143	92
AP6501020	20	10.0	7.5		284	276	270	240	230	190	122
AP65012524	24	12.5	9.3		341	331	324	288	276	228	146
AP6501530	30	15.0	11.0		426	414	405	360	345	285	183

150 LPM SERIES		OUTLET SIZE :50 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	75	100	125	150	175	200	
AP6503005	5	3.0	2.2	Head Meters	75	72	67	60	53	45	37
AP6504007	7	4.0	3.0		105	100	93	84	74	63	51
AP6505008	8	5.0	3.7		120	115	106	96	84	72	59
AP6506010	10	6.0	4.5		150	144	133	120	105	90	74
AP6507512	12	7.5	5.5		180	176	160	144	126	108	89
AP6501016	16	10.0	7.5		241	230	213	192	168	144	118
AP65012520	20	12.5	9.3		300	288	266	240	210	180	148
AP6501524	24	15.0	11.0		361	346	319	288	252	216	178
AP65017530	30	17.5	13.12		450	430	395	360	315	270	215

180 LPM SERIES		OUTLET SIZE :50 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	70	105	115	130	145	180	215
AP6503004	4	3.0	2.2	Head Meters	76	72	68	64	60	48	32
AP6504005	5	4.0	3.0		95	90	85	80	75	60	40
AP6505006	6	5.0	3.7		114	108	102	96	90	72	48
AP6506008	8	6.0	4.5		152	144	136	128	120	96	64
AP6507510	10	7.5	5.5		190	180	170	160	150	120	80
AP6501012	12	10.0	7.5		228	216	204	192	180	144	96
AP65012515	15	12.5	9.3		285	270	255	240	225	180	120
AP6501518	18	15.0	11.0		342	324	306	288	270	216	144
AP65017521	21	17.5	13.0		399	378	357	336	315	252	168
AP6502025	25	20.0	15.0		475	450	425	400	375	300	200
AP6502531	31	25.0	18.75		589	558	527	496	465	372	248
AP6503037	37	30.0	22.5		703	660	629	592	555	444	296

150mm (V6) High Head Submersible

Pumpsets(V6K50 SERIES)



SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

250 LPM SERIES		OUTLET SIZE :65 MM				2900RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	120	140	165	180	200	250	320
AP6503003	3	3.0	2.2	Head Meters	57	54	51	48	45	36	24
AP6504004	4	4.0	3.0		76	72	68	64	60	48	32
AP6505005	5	5.0	3.7		95	90	85	80	75	60	40
AP6506006	6	6.0	4.5		114	108	102	96	90	72	48
AP6507508	8	7.5	5.5		152	144	136	128	120	96	64
AP6501010	10	10.0	7.5		190	180	170	160	150	120	80
AP65012512	12	12.5	9.3		228	216	204	192	180	144	96
AP6501515	15	15.0	11.0		285	270	255	240	225	180	120
AP65017818	18	17.5	13.0		342	324	306	288	270	216	144
AP6502020	20	20.0	15.0		380	360	340	320	300	240	160
AP6502525	25	25	18.5		475	450	425	400	375	300	200
AP6503030	30	30	22.0		570	540	510	480	450	360	240

345 LPM SERIES		OUTLET SIZE :65 MM				2900RPM					
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	125	175	215	245	265	345	445
AP6504003	3	4.0	3.0	Head Meters	57	54	51	48	45	36	24
AP6505004	4	5.0	3.7		76	72	68	64	60	48	32
AP6506005	5	6.0	4.5		95	90	85	80	75	60	40
AP6507506	6	7.5	5.5		114	108	102	96	90	72	48
AP6501008	8	10.0	7.5		152	144	136	128	120	96	64
AP65012510	10	12.5	9.3		190	180	170	160	150	120	80
AP6501512	12	15.0	11.0		228	216	204	192	180	144	96
AP65017514	14	17.5	13.0		266	252	238	224	210	168	112
AP6502016	16	20.0	15.0		304	288	272	256	240	192	128
AP6502520	20	25.0	18.5		380	360	340	320	300	240	160
AP6503024	24	30.0	22.0		456	432	408	384	360	288	192



150mm (V6) High Head Submersible

Pumpsets(V6K50 SERIES)

SELECTION CHART FOR ACUBE (150 MM) 6" SUBMERSIBLE PUMP SETS

Pumpsets suitable for 150 mm borewell size or above (Min.Bore dia-150mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

400 LPM SERIES		OUTLET SIZE :65 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	205	235	265	300	330	400	500
AP6503002	2	3.0	2.2	Head Meters	38	36	34	32	30	24	16
AP6505003	3	5.0	3.7		57	54	51	48	45	36	24
AP6506004	4	6.0	4.5		76	72	68	64	60	48	32
AP6507505	5	7.5	5.5		95	90	85	80	75	60	40
AP6501007	7	10.0	7.5		133	126	119	112	105	84	56
AP6501258	8	12.5	9.3		152	144	136	128	120	96	64
AP6501510	10	15.0	11.0		190	180	170	160	150	120	80
AP65017512	12	17.5	13.0		228	216	204	192	180	144	95
AP6502013	13	20.0	15.0		247	234	221	208	195	156	104
AP6502517	17	25.0	18.5		323	304	288	272	255	204	136
AP6503020	20	30.0	22.0		380	360	340	320	300	240	160

530 LPM SERIES		OUTLET SIZE :65 MM		2900RPM							
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	135	350	370	460	530	565	655
AP6504002	2	4.0	3.0	Head Meters	40	36	34	30	24	21	16
AP6506003	3	6.0	4.5		60	53	51	45	36	32	24
AP6507504	4	7.5	5.5		80	71	68	60	48	42	32
AP6501005	5	10.0	7.5		100	89	85	75	60	53	40
AP6501256	6	12.5	9.3		120	107	102	90	72	63	48
AP6501508	8	15.0	11.0		160	142	136	120	96	84	64
AP6501759	9	17.5	13.0		180	160	153	135	108	95	72
AP6502010	10	20.0	15.0		200	178	170	150	120	105	80
AP6502512	12	25.0	18.5		260	231	221	180	156	137	104
AP6503015	15	30.0	22.0		300	266	255	225	180	158	120

175mm (V6) High Flow Submersible Pumpsets(V67J SERIES)



Acube brand makes highly efficient durable and best quality V6 submersible pump set with water filled motors.



SALIENT FEATURES

- motor design for wide voltage range.
- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low voltage with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life End vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	Stainless Steel	Impeller	S.S. 410
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note

1. Standard Motors are designed for rated voltage 380V
2. Motors are also available for rated voltage 350V & 415V on request.
3. Selected models are also available with ISI mark/BEE Star rating mark.



175mm (V6) High Flow Submersible Pumpsets(V67J SERIES)

SELECTION CHART FOR ACUBE (175 MM) SUBMERSIBLE PUMP SETS

**Pumpsets suitable for 175 mm borewell size or above (Min.Bore dia-180mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply**

950 LPM SERIES		OUTLET SIZE :100 MM						2900RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	500	650	770	880	950		
AP67J502	2	5.0	3.7	Head Meters	28	26	24	22	20	18	16
AP67J753	3	7.5	5.5		42	39	36	33	30	27	24
AP67J104	4	10.0	7.5		56	52	48	44	40	36	32
AP67J1255	5	12.5	9.3		70	65	60	55	50	45	40
AP67J156	6	15.0	11.0		84	78	72	66	60	54	48
AP67J1757	7	17.5	13.0		98	91	84	77	70	93	56
AP67J208	8	20.0	15.0		112	104	96	88	80	72	64
AP67J2510	10	25.0	18.5		140	130	120	110	100	90	80

1100 LPM SERIES		OUTLET SIZE :100 MM						2900RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	700	800	930	1020	1100	1170	1250
AP67J602	2	6.0	4.5	Head Meters	28	26	24	22	20	18	16
AP67J103	3	10.0	7.5		42	39	36	33	30	27	24
AP67J1254	4	12.5	9.3		56	52	48	44	40	36	32
AP67J155	5	15.0	11.0		70	65	60	55	50	45	40
AP67J206	6	20.0	15.0		84	78	72	66	60	54	48
AP67J257	7	25.0	18.5		98	91	84	77	70	93	56
AP67J258	8	25.0	18.5		112	104	96	88	80	72	64

1200 LPM SERIES		OUTLET SIZE :100 MM						2900RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	850	960	1050	1130	1200	1270	1350
AP67J752	2	7.5	5.5	Head Meters	28	26	24	22	20	18	16
AP67J1253	3	12.5	9.3		42	39	36	33	30	27	24
AP67J154	4	15.0	11.0		56	52	48	44	40	36	32
AP67J205	5	20.0	15.0		70	65	60	55	50	45	40
AP67J256	6	25.0	18.5		84	78	72	66	60	54	48

1300 LPM SERIES		OUTLET SIZE :100 MM						2900RPM			
MODEL CODE	STG	MOTOR RATING		DISCHARGE							
		H.P.	K.W.	LPM	1050	1150	1250	1300	1400	1450	1520
AP67J102	2	10.0	7.5	Head Meters	28	26	24	22	20	18	16
AP67J153	3	15.0	11.0		42	39	36	33	30	27	24
AP67J204	4	20.0	15.0		56	52	48	44	40	36	32
AP67J255	5	25.0	18.5		70	65	60	55	50	45	40

200mm (V6) High Flow Submersible Pumpsets(V68J SERIES)



Acube brand makes highly efficient durable and best quality V6 submersible pump set with water filled motors.



SALIENT FEATURES

- ALL pumps are provided with suction guide support.
- Better efficiency and consistent performance.
- Superior polymer coated winding wire to withstand voltage fluctuation.
- Designed to start at low voltage with better performance.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- Heavy duty carbon thrust bearing.
- Robust construction ensures durability of products.
- Top & suction bushes are well protected by sand Guard arrangement.
- Bearing Sleeves are hard chrome plated for long life.

APPLICATION

- Irrigation of farms / fields
- Community Water supply
- High rise buildings, Housing complex, bungalows.
- Hotels ,Dairies, cattle and poultry farms
- Sprinklers.
- Solar pumping station.
- Industrial water supply.

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	METERIAL
Motor body	Stainless Steel	Impeller	S.S. 410
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410/431	Pump shaft	SS AISI 410
Bush bearing	BRONZE LTB-4	Suction housing	C I FG 200
Thrust bearing	SS/ CARBON	NRV	C I FG 200

Note

1. Standard Motors are designed for rated voltage 380V
2. Motors are also available for rated voltage 350V & 415V on request.
3. Selected models are also available with ISI mark/BEE Star rating mark.



200mm (V6) High Flow Submersible Pumpsets(V68J SERIES)

SELECTION CHART FOR ACUBE (200 MM) SUBMERSIBLE PUMP SETS

Pumpsets suitable for 200 mm borewell size or above (Min.Bore dia-200mm)
Performance Chart at 2900 rpm, 415V three phase, 50 Hz A.C. supply

1100 LPM SERIES		OUTLET SIZE :100 MM								2900RPM		
MODEL CODE	STG	MOTOR RATING		DISCHARGE								
		H.P.	K.W.	LPM	600	800	900	1100	1300	1400	1600	
AP68J602	2	6.0	4.5	Head Meters	28	25	24	20	16	14	10	
AP68J103	3	10.0	7.5		42	38	36	30	24	21	15	
AP68J1254	4	12.5	9.3		56	51	48	40	32	28	20	
AP68J155	5	15.0	11.0		70	64	60	51	41	36	25	
AP68J206	6	20.0	15.0		84	76	71	61	49	43	29	
AP68J257	7	25.0	18.5		98	89	83	71	57	50	34	
AP68J258	8	25.0	18.5		112	102	95	81	65	57	39	
1200 LPM SERIES		OUTLET SIZE :100 MM								2900RPM		
MODEL CODE	STG	MOTOR RATING		Head Meters	DISCHARGE							
		H.P.	K.W.		LPM	700	900	1000	1200	1400	1500	1700
AP68J752	2	7.5	5.5		32	30	29	25	21	19	14	
AP68J1253	3	12.5	9.3		48	45	43	38	31	28	21	
AP68J154	4	15.0	11.0		64	60	57	50	42	37	28	
AP68J205	5	20.0	15.0		80	75	72	63	52	47	36	
AP68J256	6	25.0	18.5		96	90	86	75	62	56	43	
1300 LPM SERIES		OUTLET SIZE :100 MM			2900RPM							
MODEL CODE	STG	MOTOR RATING		Head Meters	DISCHARGE							
		H.P.	K.W.		LPM	800	1000	1100	1300	1500	1600	1800
AP68J102	2	10.0	7.5		35	33	32	28	24	22	17	
AP68J153	3	15.0	11.0		53	49	47	42	36	33	26	
AP68J204	4	20.0	15.0		70	66	63	56	48	44	34	
AP68J255	5	25.0	18.5		88	82	79	71	60	55	43	
1400 LPM SERIES		OUTLET SIZE :100 MM			2900RPM							
MODEL CODE	STG	MOTOR RATING		Head Meters	DISCHARGE							
		H.P.	K.W.		LPM	900	1100	1200	1400	1600	1700	1900
AP68J1252	2	12.5	9.3		37	35	34	31	27	24	19	
AP68J1753	3	17.5	13.0		55	52	50	46	40	37	29	
AP68J254	4	25.0	18.5		74	70	67	62	54	49	38	
1500 LPM SERIES		OUTLET SIZE :100 MM			2900RPM							
MODEL CODE	STG	MOTOR RATING		Head Meters	DISCHARGE							
		H.P.	K.W.		LPM	1000	1200	1300	1500	1700	1800	2000
AP68J152	2	15.0	11.0		41	38	36	33	28	26	20	
AP68J203	3	20.0	15.0		61	57	55	49	42	39	31	
1700 LPM SERIES		OUTLET SIZE :100 MM			2900RPM							
MODEL CODE	STG	MOTOR RATING		Head Meters	DISCHARGE							
		H.P.	K.W.		LPM	1200	1400	1500	1700	1900	2000	2200
AP68J102	2	10.0	7.5		23	22	21	19	17	16	12	
AP68J203	3	20.0	15.0		47	44	42	39	35	32	24	

Domestic Openwell Submersible Pump

Acube brand makes highly efficient durable and best quality Openwell pump with water filled.



SALIENT FEATURES

- SS Motor body with flanged design ensure robustness and reliability. Better efficiency and high performance at low voltage.
- Heavy duty carbon thrust bearing takes care of thrust loads.
- Designed to start at Low voltage and to work under wide voltage fluctuation.
- Corrosion free stainless steel shaft.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure bearing and vibration free smooth operation.
- oil seals well protected from foreign particles.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Provided with strainer of Stainless steel.
- SS fasteners for ease in maintenance and durability.
- All C.I. parts are in C.E.D. Coated

APPLICATIONS

- Irrigation from open wells ponds canals river
- Water supply to high rise buildings community
- Fountains Drip Irrigation nurseries
- Pressure boosting

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	SS AISI 202	Impeller	C I FG 200/vergine norryle
Bearing housing	C I FG 200	Diffuser	C I FG 200
Motor shaft	SS AISI 410	Delivery casing	C I FG 200
Rotor	Copper (99.99%)*	Front and rear housig	C I FG 200
Bush bearing	BRONZE LTB-4	Bush bearig	BRONZE LTB-4
Thrust bearing	AISI 420/ CARBON	Stainer	Stainless steel

Note: Upto 5.0 hp Horizontal type pumps are also available with Aluminium die cast rotor on request.

Note: Standard models are designed for rated voltage in single phase 215V & in three phase 415V.

Note: 3.0 hp and 5.0 hp also available in CAST IRON BODY construction.

Nomenclature- APODXYYZZZ

AP	O	D	x	YY	ZZZ
ACUBE PUMP	OPENWELL	DOMESTIC	S/T	HP	TOTAL HEAD IN FEET

SELECTION CHART FOR ACUBE Domestic Horizontal Openwell Submersible Pumpset

Performance Chart at 2900 rpm, 230V SINGLE PHASE 380V, Threephase, 50 Hz A.C.supply

SR. NO.	MODEL	SUC X DEL (MM)	MOTOR RATING	H.P	K.W	HEAD IN METER						DISCHARGE IN LPM			
						6	9	13	18	22	26	28	32	34	38
1	APODS0570	25X25	0.5	0.37	190	170	135	90	10	-	-	-	-	-	-
2	AP0DX10100	25X25	1.0	0.75		230	210	180	130	90	30	-	-	-	-
3	AP0DX15110	40X40	1.5	1.12		460	420	360	310	220	140	-	-	-	-
4	AP0DX15090	50X50	1.5	1.12		502	437	344	287	209	146				
5	AP0DX20110	50X50	2.0	1.5		540	510	420	340	230	180	--	--	--	--
6	AP0DX30115	65X50	3.0	2.25		610	585	550	460	280	130	-	-	-	-
7	AP0DX30140	50X50	3.0	2.25		430	380	350	330	310	295	260	210	120	
8	AP0DX50115	65X50	5.0	3.75		830	790	730	640	495	360	-	-	-	-
9	AP0DX50140	50X50	5.0	3.75		490	460	430	410	390	360	340	310	240	

NOTE: x= s for single phase & T for three phase

Agriculture Openwell Submersible Pump



Acube brand makes highly efficient durable and best quality Openwell pump with water filled.

SALIENT FEATURES

- SS Motor body with flanged design ensure robustness and reliability. Better efficiency and high performance at low voltage.
- Heavy duty carbon thrust bearing takes care of thrust loads.
- Designed to start at Low voltage and to work under wide voltage fluctuation.
- Corrosion free stainless steel shaft.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure bearing and vibration free smooth operation.
- oil seals well protected from foreign particles.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Provided with strainer of Stainless steel.
- SS fasteners for ease in maintenance and durability.
- All C.I. parts are in C.E.D. Coated



APPLICATIONS

- Irrigation from open wells ponds canals river
- Water supply to high rise buildings community
- Fountains Drip Irrigation nurseries
- Pressure boosting

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	SS AISI 202	Impeller	C I FG 200
Bearing housing	C I FG 200	stamping	CRNO M-45
Motor shaft	SS AISI 410	Delivery casing	C I FG 200
Rotor	Copper (99.99%)*	Front and rear housig	C I FG 200
Bush bearing	BRONZE LTB-4	Bush bearig	BRONZE LTB-4
Thrust bearing	AISI 420/ CARBON	Stainer	Stainless steel

Note: Upto 7.5 hp Horizontal type pumps are also available with Aluminium die cast rotor on request.

Note: Standard models are designed for rated voltage in Two phase 300V / three phase 415V.

Nomenclature- APOAXYYZZZ

AP	O	A	X	YY	ZZZ
ACUBE PUMP	OPENWELL	AGRICULTURE	D/T	HP	TOTAL HEAD IN FEET

NOTE: x= D for Double phase & T for three phase



Agriculture Openwell Submersible Pump

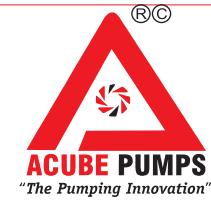
SELECTION CHART FOR ACUBE Agriculture Horizontal Openwell Submersible Pumpset

Performance Chart at 2900 rpm, 380V, Three phase, 50 Hz A.C. supply

SR. NO.	MODEL CODE	SUC X DEL (MM)	H.P	K.W	PHASE	DISCHARGE IN IPM	HEAD IN METER													
							8	10	12	14	16	18	20	24	28	30	32	34	36	38
1	APOAT30120	65X50	3.0	2.25	3	--	810	780	740	660	610	510	420	260	180	-	-	-	-	-
2	APOAT3090	65X65	3.0	2.25	3	850	810	780	740	690	640	450	190	-	-	-	-	-	-	-
3	APOAT50110	65X65	5.0	3.75	3	1080	1050	980	950	860	750	640	520	450	-	-	-	-	-	-
4	APOAT50130	65X50	5.0	3.75	3	--	--	--	--	925	880	830	670	590	510	420	310	220	100	-
5	APOAT50100	80X65	5.0	3.75	3	1325	1255	1125	1085	990	860	680	400	345	-	-	-	-	-	-
6	APOAT65120	65X65	6.5	4.83	3	-	1027	995	950	860	805	745	680	585	420	-	-	-	-	-
7	APOAT65140	65X50	6.5	4.83	3	-	-	-	-	980	940	860	750	710	650	590	500	420	280	-
8	APOAT65100	80X65	6.5	4.83	3	-	1345	1310	1225	1085	990	860	680	450	340	-	-	-	-	-
9	APOAT75140	65X65	7.5	5.62	3	-	-	-	-	1100	1050	990	920	880	830	740	640	560	420	-
10	APOAT75170	65X50	7.5	5.62	3	-	-	-	-	880	850	820	790	760	730	710	650	615	590	470
11	APOAT75120	80X65	7.5	5.62	3	-	-	-	-	1250	1210	1170	990	870	740	590	270	110	-	-
12	APOAT75110	80X80	7.5	5.62	3	-	-	-	-	1310	1280	1200	1140	1075	1040	945	880	810	915	-
13	APOAT10180	65X50	10.0	7.5	3	-	-	-	-	930	910	890	870	850	835	810	790	770	750	720
14	APOAT10140	65X65	10.0	7.5	3	-	-	-	-	1295	1255	1155	1100	1040	970	830	750	670	510	-

Agriculture Openwell

Submersible Pump (JUMBO SERIES)



Acube brand makes highly efficient durable and best quality Openwell pump with water filled.

SALIENT FEATURES



- C.I Motor body with flanged design ensure robustness and reliability. Better efficiency and high performance at low voltage.
- Heavy duty carbon thrust bearing takes care of thrust loads.
- Designed to start at Low voltage and to work under wide voltage fluctuation.
- Corrosion free stainless steel shaft.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure bearing and vibration free smooth operation.
- oil seals well protected from foreign particles.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Provided with strainer of Stainless steel.
- SS fasteners for ease in maintenance and durability.



APPLICATIONS

- Irrigation from open wells ponds canals river
- Water supply to high rise buildings community
- Fountains Drip Irrigation nurseries
- Pressure boosting

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	CI FG 200	Impeller	C I FG 200
Bearing housing	CI FG 200	stamping	CRNO M-45
Motor shaft	SS AISI 410	Delivery casing	C I FG 200
Rotor	Copper (99.99%)*	Front and rear housig	C I FG 200
Bush bearing	BRONZE LTB-4	Bush bearig	BRONZE LTB-4
Thrust bearing	AISI 420/ CARBON	Stainer	Stainless steel

Note: Upto 7.5 hp Horizontal type pumps are also available with Aluminium die cast rotor on request.

Note: Standard models are designed for rated voltage in single phase 215v & three phase 415V.

Nomenclature- APOAXYYZZZ

AP	O	7J/9J	X	YY	ZZZ
ACUBE PUMP	OPENWELL	7=7 INCH JUMBO 9=9 INCH JUMBO	S / T	HP	TOTAL HEAD IN FEET

SELECTION CHART FOR ACUBE Agriculture "JUMBO SERIES" Horizontal Openwell Submersible Pumpset

Performance Chart at 2900 rpm, 380V, Three phase, 50 Hz A.C. supply

MODEL CODE	SUC X DEL (MM)	MOTOR RATING			LPM	DISCHARGE IN LPM						
		H.P	KW	PHASE		9	13	18	22	26	28	30
APO7JT30115	65X50	3	2.25	3	630	595	565	460	280	152	-	
APO7JS30120	65X50	3	2.25	1	605	570	540	435	255	135	-	
APO7JT50115	65X50	5	3.75	3	860	848	765	660	535	420	210	
APO7JS75170	65X50	5	3.75	1	830	822	745	630	505	390	180	



MODEL CODE	SUC X DEL (MM)	MOTOR RATING			LPM	DISCHARGE IN LPM						HEAD IN METER						
		H.P	KW	PHASE		14	16	18	20	24	28	30	32	36	38	40	42	44
APO9JT30110	65X50	3	2.25	3	890	835	775	685	525	280	110	0						
APO9JT50110	80X65	5	3.75	3	1080	1020	960	880	690	480	265	105	0					
APO9JT50140	65X50	5	3.75	3	1050	950	910	870	830	710	610	530	340	250	190	0		
APO9JT75170	65X50	7.5	5.6	3	810	790	770	755	735	715	690	680	640	570	530	490	460	410
APO9JT75140	65X65	7.5	5.6	3					1290	1165	1080	975	875	590	340	0		
APO9JT75130	80X65	7.5	5.6	3					1350	1210	1170	990	870	590	270	0		



NOTE: x= S for Single phase & T for three phase

Verticle Openwell Submersible Pump



Acube brand makes highly efficient durable and best quality Openwell pump with water filled.

SALIENT FEATURES

- C.I Motor body with flanged design ensure robustness and reliability. Better efficiency and high performance at low voltage.
- Heavy duty carbon thrust bearing takes care of thrust loads.
- Designed to start at Low voltage and to work under wide voltage fluctuation.
- Corrosion free stainless steel shaft.
- Superior polymer coated winding wire to withstand wide voltage fluctuation.
- All rotating components are dynamically balanced to ensure bearing and vibration free smooth operation.
- oil seals well protected from foreign particles.
- Rotors are treated with special epoxy paint to ensure corrosion resistance.
- Provided with strainer of Stainless steel.
- SS fasteners for ease in maintenance and durability.
- All C.I. parts are in C.E.D. Coated

APPLICATIONS

- Irrigation from open wells ponds canals river
- Water supply to high rise buildings community
- Fountains Drip Irrigation nurseries
- Pressure boosting

MATERIAL OF CONSTRUCTION

PART NAME	MATERIAL	PART NAME	MATERIAL
Motor body	C I FG 200	Impeller	C I FG 200
Bearing housing	C I FG 200	stamping	CRNO M-45
Motor shaft	SS AISI 410	Delivery casing	C I FG 200
Rotor	Copper (99.99%)*	Front and rear housig	C I FG 200
Bush bearing	BRONZE LTB-4	Bush bearig	BRONZE LTB-4
Thrust bearing	AISI 420/ CARBON	Stainer	Stainless steel

Nomenclature- APOAXYYZZZ

AP	AV	O	YY	ZZZ
ACUBE PUMP	AGRICULTURE VERTICLE	OPENWELL	HP	TOTAL HEAD IN FEET



SELECTION CHART FOR ACUBE Agriculture 'VERTICLE Openwell Submersible Pumpset

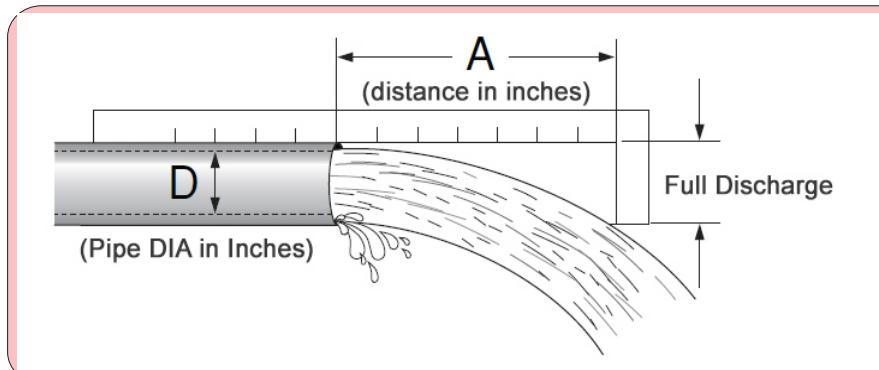
Performance Chart at 2900 rpm, 380V, Threephase, 50 Hz A.C. supply

MODEL CODE	MOTOR RATING			OUTLET	LPM	DISCHARGE IN LPM																
	K.W.	H.P.	STG			900	850	800	750	700	650	600	550	500	460	420	380	320	280	200	0	
APAVO302	2.25	3.0	2	3	65MM						13	19	23	26	29	32	34	37	38	40	44	
APAVO502	3.75	5.0	2	3	65MM						17	22	25	28	32	35	37	38	40	41	45	
APAVO503	3.75	5.0	3	3	65MM						19	25	30	32	40	45	49	52	57	59	67	
APAVO752	5.6	7.5	2	3	65MM						20	26	30	33	36	40	42	44	46	47	52	
APAVO753	5.6	7.5	3	3	65MM						25	30	35	40	45	50	54	57	59	60	65	
APAVO754	5.6	7.5	4	3	65MM							28	35	40	45	50	55	63	65	68	70	
APAVO103	7.5	10	3	3	65MM							35	40	45	50	55	63	65	68	70	72	
APAVO104	7.5	10	4	3	65MM							18	30	40	48	55	61	68	70	75	78	
APAVO105	7.5	10	5	3	65MM							29	38	46	50	59	67	74	79	83	87	92
APAVO1254	9.3	12.5	4	3	65MM							33	43	54	61	67	72	78	83	86	88	91
APAVO1255	9.3	12.5	5	3	65MM							14	53	62	71	78	85	91	95	99	103	108
APAVO1256	9.3	12.5	6	3	65MM							16	30	44	49	57	68	78	87	93	98	102
APAVO1505	11.25	15	5	3	65MM							39	55	66	77	87	95	103	108	114	118	124
APAVO1506	11.25	15	6	3	65MM							50	59	75	86	94	102	108	114	119	123	129



Discharge Rate

HORIZONTAL DIATANCE "X" IN INCHES	NOMINAL PIPE DIAMETER								
	1"	1.25"	1.5"	2"	2.5"	3"	4"	5"	6"
	DISCHARGE RATE (Q) (LPM)								
4	26	44	60	100	141	222	177	590	863
5	32	55	75	127	177	277	472	749	1090
6	39	67	91	150	213	331	567	885	1294
7	46	78	105	177	250	386	663	1044	1521
8	51	89	120	200	281	445	754	1180	1725
9	58	100	135	227	318	499	849	1339	1952
10	64	111	151	250	354	554	944	1475	2156
11	71	118	166	277	390	608	1040	1634	2363
12	77	132	177	300	427	667	1135	17701	2588
13	84	143	195	327	459	722	1226	1930	2815
14	91	154	211	350	495	776	1321	2043	3019
15	97	165	225	377	531	831	1416	2225	3223
16	104	177	240	400	567	890	1512	2361	3450
17	109	188	256	427	604	944	1603	2520	3677
18	116	198	271	450	636	999	1698	2679	3880
19	123	210	286	477	672	1053	1790	2815	4109
20	129	221	301	500	708	1108	1889	2951	4313
21	137	232	316	527	745	1162	1984	3110	4540
22	142	243	331	554	781	1221	2075	3269	4767
23	148	254	345	577	813	1276	2170	3405	4971
24	155	265	360	604	849	1330	2265	3541	5175
25	161	276	375	627	885	1389	2361	3700	5402
26	167	287	390	654	922	1444	2456	3836	5607
27	174	298	405	676	958	1498	2547	3995	5834
28	181	303	421	704	990	1553	2642		
29	187	320	436	726	1026	1607	2738		
30	193	331	451	754	1062	1666	2833		
31			468	776	1099	1721			
32			481	804	1135	1775			
33			495	826	1167	1830			
34			513	854	1203	1884			
35			527	881	1239	1943			
36			540	903	1276	1998			



Note:
"A":Horizontal Distance in inches
"D" Normal Pipe Diameter in Inches
"Q" Discharge in LPM

Example:
for A=20 inches and 2 inch pipe Dia
Approx. Discharge (Q) will be 504 Lpm

Friction Loss

Galvanized Steel Pipe

VOLUME RATE OF FLOE (LPM)	NOMINAL PIPE IN mm								
	40	50	63	75	90	110	125	140	160
	FRICITION LOSS IN METERS								
30	0.074								
60	0.268								
75	0.405	0.131							
96	0.640	0.211							
120	0.967	0.310							
150	1.462	0.483	0.150						
192	2.309	0.762	0.250	0.106					
240	3.491	1.153	0.337	0.160					
300		1.742	0.571	0.242					
480		4.161	1.363	0.577	0.237				
600			2.060	0.873	0.358	0.133			
750				3.114	1.319	0.542	0.201		
960				4.919	2.084	0.856	0.317	0.172	
1200					3.151	1.293	0.479	0.260	
1500						1.955	0.715	0.392	0.225
1920						3.089	1.145		0.355
2400							1.731	0.937	0.537
3000							2.617	1.416	0.812
									0.421

Rigid Pipe Pvc

VOLUME RATE OF FLOE (LPM)	NOMINAL PIPE IN mm								
	25	32	40	50	65	80	100	125	150
	FRICITION LOSS IN METERS								
30	0.074								
60	0.268								
75	0.405	0.131							
96	0.640	0.211							
120	0.967	0.310							
150	1.462	0.483	0.150						
192	2.309	0.762	0.250	0.106					
240	3.491	1.153	0.337	0.160					
300		1.742	0.571	0.242					
480		4.161	1.363	0.577	0.237				
600			2.060	0.873	0.358	0.133			
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1920						3.089	1.145		0.355
2400							1.731	0.937	0.537
3000							2.617	1.416	0.812
									0.421

Note: 1. Friction loss in meters for 10 meters long pipe.
 2. C=150 for galvanized steel pipe. C=140 for Rigid PVC pipe

Length of Straight Pipe in meter giving equivalent "Head Loss" in Pipe Fitting, Valves etc.

SIZE OF PIPE IN MM	STANDARD ELBOW	MEDIUM ELBOW	LONG RADIUS ELBOW	45 ELBOW	TEE	SLIUCE VALVE FULL OPEN	GLOBE VALVE FULL OPEN	ANGEL VALVE OPEN	FOOT VALVE OR REFLUX VALVE
25	0.82	0.7	0.25	0.4	1.78	0.18	8.24	4.57	2.04
40	1.31	1.1	.85	0.61	2.74	0.29	13.4	6.71	3.05
50	1.67	1.4	1.07	0.76	3.35	0.37	17.4	8.54	3.96
65	1.98	1.65	1.28	0.92	4.26	0.42	20.1	10	5.18
80	2.47	2	1.55	1.15	5.18	0.52	25.9	12.8	6.1
100	3.35	2.77	2.13	1.53	6.71	0.7	33.5	17.7	8.23
125	4.26	3.66	2.78	1.86	8.24	0.88	42.6	21.2	10
150	4.87	4.26	3.35	2.35	10	1.07	48.7	25.3	12.2
200	6.4	5.48	4.26	3.05	13.1	1.37	67.1	33.5	16.2
250	7.65	6.71	5.18	3.86	17.1	1.74	88.5	42.6	20.4
300	9.75	7.92	6.1	4.57	2.1	2.04	100.5	51.8	24.4

Permissible flow Rate

CAPACITY/ GRADE	NOMINAL PIPE OUTER DIA IN mm								
	40	50	63	75	90	110	125	140	160
	RATE OF FLOW IN LPM								
2.5 kg/sq.cm	-	-	-	-	690-1174	1174-1995	1995-2798	2798-3775	3775-5357
4.0 kg/sq.cm	-	-	228-434	434-688	688-1110	1110-1902	1902-2660	2660-3587	3587-5097
6.0 kg/sq.cm	UP TO 122	122-222	222-406	406-645	645-1044	1044-1785	1785-2486	2486-3358	3358-4785

Note:

1 PERMISSIBLE RANGE OF VOLUMES OF FLOW (LPM) TO LIMIT FRICTION LOSSES TO 10% OF THE PIPE LENGTH.

Change in Results due to change in supply Voltage

Volts after pump set get started		three phase		singale phase	
		Reduction in head. (%)	Reduction in Disch. (%)	Reduction in head. (%)	Reduction in Disch. (%)
Three phase	Single phase				
415	230	Nill	Nill	Nill	Nill
350	200	5	5	5	3
310	180	10	8	8	6
275	160	15	12	12	9
240	140	20	15	16	12

Change in Results due to change in supply frequency

Frequency (HZ)	Change in output		change in total ouput (%)
	Head(%)	Discharge(%)	
51	+4	+2	+6
std-50	Nill	Nill	Nill
4	-2	-1	-3
49	-4	-2	-6
48.5	-6	-3	-9
48	-8	-4	-12
47.6	-10	-5	-15

Note:

1.REFER THIS SPECIFICATION TO UNDERSTAND THE EFFECT OF SUPPLY VOLTAGE AND FREQUENCY ON PUMP PERFORMACE AT INSTALLATION SITE.

Rated Current for ACUBE V3, V4, V5, V6 & V8 frame size Submersible Motors

MOTOR RATINGS		CURRENT IN AMPS			
HP	KW	230V	415V	380V	350V
0.5	0.37	5.0	1.3	1.9	2.1
0.75	0.55	6.5	1.9	2.1	2.3
1.0	0.75	7.5	2.4	2.6	2.8
1.5	1.1	9.5	3.25	3.5	3.9
2.0	1.5	12.0	4.5	4.9	5.3
3.0	2.2	15.0	6.5	7.0	7.7
4.0	3.0	20.0	8.5	9.2	10.1
5.0	3.7	25.0	10.0	10.9	11.9
6.0	4.5	-	12.0	13.0	14.2
7.5	5.5	-	14.5	15.8	17.2
10.0	7.5	-	19.5	21.0	23.1
12.5	9.3	-	25.0	27.0	29.6
15.0	11.0	-	29.0	31.5	34.4
17.5	13.0	-	34.0	37.5	40.3
20.0	15.0	-	39.0	42.5	46.2
25.0	18.5	-	44.0	48.0	52.2
30.0	22.0	-	52.5	58.0	62.3
35.0	26.0	-	62.3	68.0	73.8
40.0	30.0	-	67.8	74.0	80.3
45.0	33.0	-	72.3	79.0	85.8
50.0	37.0	-	77.8	85.0	92.3

Cable Selection Chart for 'ACUBE' Single Phase Motor 230V at 30 °C

Total Cable Length in Meter	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
0.5 HP	sq.mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4
0.75 HP	sq.mm	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	4	4
1.0 HP	sq.mm	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	4	4	4	4	4	4
1.5 HP	sq.mm	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	4	6	6	6
2.0 HP	sq.mm	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	6	6	6	10	10
3.0 HP	sq.mm	1.5	2.5	2.5	2.5	4	4	4	6	6	6	6	10	10	16
4.0 HP	sq.mm	2.5	2.5	2.5	4	4	4	6	6	6	6	10	10	16	16
5.0 HP	sq.mm	2.5	2.5	4	4	4	6	6	6	6	10	10	16	16	16



Cable Selection Chart for 'ACUBE' Three Phase Submersible pumpsets suitable for 415/380V, 50 Hz, at 30C

Note: ATS- Auto Transformer Starter.



IMPORTANT NOTES