



WATERING INDIA TO FLOW



“CENTRIFUGAL MONOBLOCK PUMPSET”



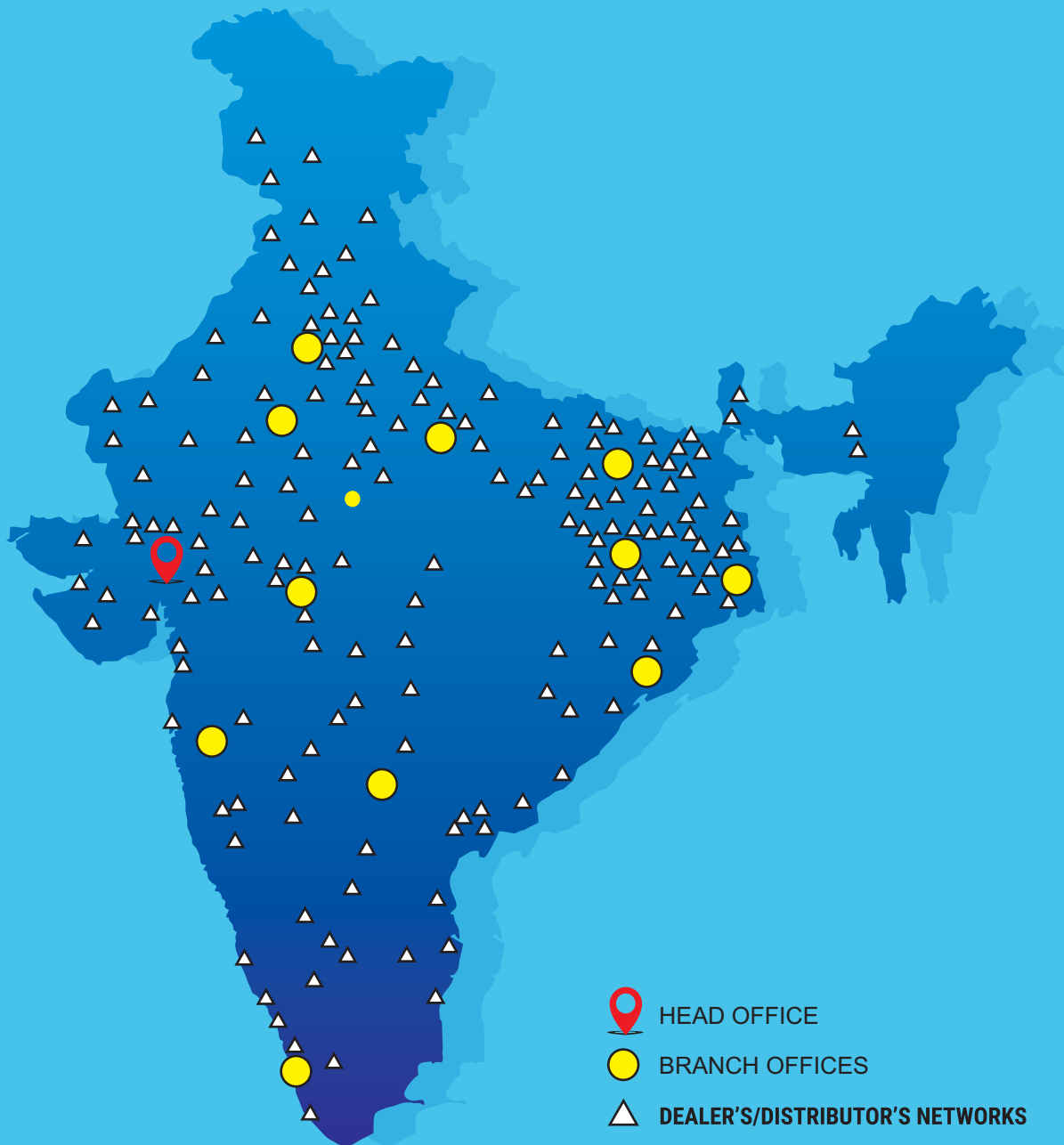
LATTEYS®
Non Stop Watering



OUR
PRODUCT
RANGE



BRANCH OFFICES/ DEALER NETWORK



OFFICES: AHMEDABAD | BHUBANESHWAR | DELHI | KANPUR |
PATNA | PUNE | RANCHI | INDORE | SECUNDERABAD



Who we are?

As India's leading manufacturer of energy efficient submersible pumps, we are well-known in our industry. We create our products for a number of sectors which include agricultural, industrial, domestic and horticultural.

Our Company is in the business of manufacturing of pumping solutions for Domestic, agriculture & Industrial sectors. Pumps includes Submersible, Self-Priming, Centrifugal Monoblock, Shallow-well and Horizontal Openwell Submersible Pumpsets since year 2004.

Company manufactures more than 700 models of pumps at its portfolio. These pumps are manufactured and marketed all over India. We are pioneer in manufacturing Submersible pumps.

The company started manufacturing in year 2004 in Chhatraal, Gujarat and moved to a strategic location of GIDC Naroda, Gujarat with an area of 5,718 sq. meters in year 2011. The company currently has an installed production capacity of approximate 1,20,000 pumps per annum. The manufacturing facilities are equipped with requisite machineries, measuring instruments and testing equipments to keep up a constant check on quality.

The company is an ISO 9001:2015 certified company for certifying the quality system of our company. Our product are having BIS mark as under:

1) Submersible Pumpsets	Against IS 8034:2002
2) Regenerative Self priming Pumpsets	Against IS 8472:1998
3) Electrical Monoset Pumps	Against IS 9079:2018
4) Openwell Submersible Pumpsets	Against IS 14220:2018
5) Motors for Submersible Pumpsets	Against IS 9283:2013

In our Submersible Pumpsets we have about 200 models are having 5 star marking issued from Bureau of Energy Efficiency and we are going to add some more models in our range of star marking products.

Our Company manufactures pumps of various sizes, structures, technicalities which form the deciding factor for the usages and pricing of the product. We require raw materials like EC grade copper winding wire and cable, stainless steel pipe, stainless steel round bar, electrical sheet stamping, CI/SS castings, etc. which are procured from various industries from domestic market. We have a dedicated team of engineers which continuously look for improving the design, performance and quality of the pumps we manufacture. Our customers are mostly dealers and direct users. Our relationship with our wide reached dealers and esteemed customer base are key factors for our success in the industry.

Our Company is promoted and managed by Mr. Kapoor Chand Garg and Mr. Pawan Garg. Our promoters are actively and fully involved in the day-to-day affairs of our company's operations. They have more than a decade of experience in the pumps industry.

Our presence in the business for more than a decade have created a brand image which is also the effort of the industry experience we have, our brand is well accepted by the market and we shall continue to strengthen our brand by providing quality products at competitive rates across the global market in coming years. Strengthen our brand by providing quality products at competitive rates across the global market in coming years.



PUMPS | MOTORS



Miles to go...



Quality Policy

with a focus on continual
improvement in customer centricity
through technological processes & innovation.

We at **Latteys Industries Limited** are compliant to applicable requirements to make our **Quality Management System** the fulcrum to achieve these core objectives and build a institution that continues to be relevant beyond a hundred years.

This policy has been dully communication to all employees & interested Parties/Dealers/Distributors to meet the needs of

QMS ISO 9001 : 2015.

Director

Dated



PUMPS | MOTORS

ELECTRIC MONOSET CENTRIFUGAL PUMPS

Description

Latteys Centrifugal Monoblock Pumps are manufactured as per IS: 9079. These pumps and impellers are specially designed to get the best hydraulic efficiency. At the same time, the totally enclosed fan-cooled system is suitable for conditions where there is a wide voltage fluctuation.

Salient Features:

- High operating efficiency resulting in lower power consumption.
- Dynamically balanced rotor for longer trouble-free life of the pump.
- Dynamically balanced impeller for vibration-free operation and long life of the bearings.
- Rotating parts are dynamically balanced to ensure minimum noise and vibration.
- "F" Class insulation and low temperature for trouble-free operation in wide voltage bends.
- Grease-lubricated anti-friction ball bearing are fitted at both ends to withstand radial and axial loads.
- Single shaft for motor and pump ensures good mechanical strength and higher efficiency.

Application:

Lawns and gardens
Car washing
Hotel and hospitals
Community water supply
Domestic water

MATERIAL OF CONSTRUCTION

Motor Body	: High grade Cast Iron
Stator	: Vacuum Impregnated. Thick end laminations are provided to protect motor windings.
Rotor	: Aluminium pressure Die-Cast
Windings	: High grade copper Enamelled insulated
Impeller	: High grade Cast Iron
Shaft	: Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Bearing	: Premium quality ball bearing





ELECTRIC MONOSET CENTRIFUGAL PUMPS

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 1- PHASE/ 415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

MODEL				Head(M)									
No.	kW	HP	SucXDel	Discharge (LPM)	6	9	12	15	18	21	24	27	30
LCM-H50AL	0.37	0.5	25 x 25				5300	4500	3350	2100			
LCM-H60	0.37	0.5	25 x 25		7000	6500	6000	4800	2500				
LCM-H65AL	0.37	0.5	25 x 25		7000	6500	6000	4800	2500				
LCM-H80	0.37	0.5	25 x 25		6100	5450	4480	3450	3200				
LCM-F60	0.75	1	40 x 40		15000	13200	12500	7150	5500				
LCM-F65AL	0.75	1	40 x 25		15000	13200	12500	7150	5500				
LCM-F80	0.75	1	25 x 25				8000	6800	6500	5500	4000		
LCM-F100	0.75	1	25 x 25				8500	8300	7700	7100	6200	5500	4450
LCM-FH75	1.1	1.5	50 x 40		20400	19100	17000	12800	10000	6000			

MODEL				Head(M)											
No.	kW	HP	SucXDel	Discharge (LPM)	5	6	8	9	10	12	14	16	18	20	22
LCM50SP	0.37	0.50	40 x 40			13800	10500	7200							
LCM51LV	0.37	0.50	40 x 40				10500	12000	9300						
LCM 53J	0.37	0.50	40 x 40			17000	14200	13300	12500	6800					
LCM100SP	0.75	1.00	50 x 50			24300	21900	19800	17100	15300					
LCM101LV	0.75	1.00	50 x 50			30000	26000	24000	22000	17500					
LCM102 2PH	0.75	1.00	50 x 50				28000	25000	23000	17000					
LCM150SP	1.10	1.50	65 x 50				28200	27600	26400	26400	21900	14100			
LCM152 2PH	1.10	1.50	65 x 50				28200	27600	26400	26400	21900	14100			
LCM192 2PH	1.50	2.00	65 x 50						26000	23500	22000	19300	16300	13500	10000
LCM2215SP	1.50	2.00	50 x 40						25000	23000	22000	19000	16000	13000	9500
LCM200SP	1.50	2.00	75 x 75			50000	42000	39000	35400	30000					
LCM200A	1.50	2.00	75 x 65			50000	42000	39000	35400	30000					
LCM201LV	1.50	2.00	75x 75			50000	42000	39000	35400	30000					
LCM201ALV	1.50	2.00	75 x 65			50000	42000	39000	35400	30000					
LCM202A 2PH	1.50	2.00	75 x 65			50000	42000	39000	35400	30000					
LCM202 2PH	1.50	2.00	75 x 75			50000	42000	39000	35400	30000					
LCM202HA 2PH	1.50	2.00	75 x 65			42000	37200	35400	33000	29800	24000				
LCM202H 2PH	1.50	2.00	75 x 75			42000	37200	35400	33000	29800	24000				
LCM300B SP	2.20	3.00	100 x 100		78000	75000	61000	54000	48000	36000					
LCM300 SP	2.20	3.00	75 x 75		64000	59000	52000	47000	40500	31500					
LCM302 2PH	2.20	3.00	75 x 75		64000	59000	52000	47000	40500	31500					
LCM302B 2PH	2.20	3.00	100 x 100		78000	75000	61000	54000	48000	36000					
LCM302H 2PH	2.20	3.00	75 x 75				64000	59000	52000	47000	40500	30000			
LCM302HA 2PH	2.20	3.00	75 x 65				62500	58000	50000	46500	40000	30000			

Performance may vary depending on Voltage, Frequency and Field Condition



CENTRIFUGAL MONOBLOC PUMPS

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 1- PHASE/ 415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

MODEL		MOTOR RATIO		Head(M)										
No.	kW	HP	SucXDel	Discharge (LPM)	6	8	10	12	14	16	18	20	22	24
LCMA151	1.1	1.5	80 x 80		780	570	560	380						
LCMA152	1.1	1.5	80 x 65		760	660	530	340						
LCMA153	1.1	1.5	65 x 50			540	490	450	430	320				
LCMA154	1.1	1.5	50 x 50			460	435	400	310	280				
LCMA155	1.1	1.5	50 x 40					340	340	310	290	260	205	160

MODEL				MOTOR RATIO				Head(M)						
No.	kW	HP	SucXDel	Discharge (LPM)	6	8	10	12	16	18	22	24	26	28
LCM21	1.5	2	80 x 80		920	780	660	480						
LCM22	1.5	2	80 x 65		880	760	660	540						
LCM23	1.5	2	65 x 50				540	530	450	390	240.0			
LCM24	1.5	2	50 x 50						440	370	180			
LCM25	1.5	2	50 x 40						380	360	310	270	230	180

MODEL		MOTOR RATI		Head(M)										
No.	kW	HP	SucXDel	Discharge (LPM)	10	14	16	18	22	24	26	28	30	32
LCM33SP	2.2	3	80 x 65		900	720	600	300						
LCM31SP	2.2	3	65 x 50					610	540	500	450	380	270	
LCM32SP	2.2	3	50 x 40					380	360	350	340	320	290	180

MODEL		MOTOR RATI		Head(M)									
No.	kW	HP	SucXDel	Discharge (LPM)	16	20	24	28	30	32	34	36	38
LCM33SP	2.2	3	80 x 65		880	860	790	640	580	490	360		
LCM31SP	2.2	3	65 x 50			600	560	510		440	400	350	290
LCM32SP	2.2	3	50 x 40		900	790	680	600					

Performance may vary depending on Voltage, Frequency and Field Condition

CENTRIFUGAL MONOBLOC PUMPS CLASS "B"

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 1- PHASE/ 415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	6	8	10	12	14	16	18	20	22	24	30	36
LCM33C	2.2	3	80 x 65		972	960	900	810	720	620	500					
LCM31C	2.2	3	65 x 50					640	575	500	405	270				
LCM32C	2.2	3	65 x 50				540	525	504	490	470	420	390	354		
LCM34C	2.2	3	50 x 40								354	348	348	342	330	132

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	8	12	14	16	18	20	22	24	26	28	34	44
LCM51C	3.7	5	100 x100		1770	1440	1140	800								
LCM52C	3.7	5	80 x 80		1320	1212	1176	1110	1002	888	720					
LCM53C	3.7	5	80 x 65					912	912	900	833	742	627	402		
LCM54C	3.7	5	65 x 50								610		525		315	
LCM55C	3.7	5	65 x 50							510	505	500	492	470	396	
LCM56C	3.7	5	65 x 50													198

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	16	18	20	22	24	26	28	30	36	42	46	50
LCM755C	5.5	7.5	100 x 100		1578	1469	1398	1247	1139							
LCM754C	5.5	7.5	100 x 80		1578	1469	1398	1247	1139							
LCM751C	5.5	7.5	80 x 65				1086	1080	1068	1050	1002	930				
LCM752C	5.5	7.5	65 x 50						845	840	828	822	756	525		
LCM753C	5.5	7.5	65 x 50										477	438	414	330

Performance may vary depending on Voltage, Frequency and Field Condition

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	14	18	22	26	28	32	38	42	46	50	58	64
LCM104C	7.5	10	100 x 100		1928	1710	1606	1389	1271							
LCM103C	7.5	10	100 x 80		1928	1710	1606	1389	1271							
LCM101C	7.5	10	80 x 65							800	720	675	450	360		
LCM102C	7.5	10	65 x 50									606	594	570	400	264

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	18	20	22	26	28	30	32	36	40	44	48	52
LCM1253C	9.3	12.5	100 x 100		1980	1890	1800	1602	1494	1374	1218					
LCM1251C	9.3	12.5	75 x 65						1056	1040	1032	1020	1008	900	600	
LCM1252C	9.3	12.5	65 x 50						990	985	978	936	918	900	852	726

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	20	28	32	36	40	48	52	56	60	68	72	76
LCM154C	11	15	100 x 100		2160	1800	1680	1050	1020							
LCM1501C	11	15	80 x 65				1284	1266	1266	1206	906					
LCM1502C	11	15	65 x 50							720	714	708	690	594		
LCM1502AC	11	15	65 x 50								654	648	648	510	420	228

MODEL				Head(M)												
No.	kW	HP	Stage	Discharge (LPM)	28	32	34	36	40	44	48	52	56	64	72	76
LCM20A4C	15.0	20	100 x 100		1800	1692	1650	1620	1470	1368	1140	1120				
LCM20A1C	15.0	20	80 x 65				1404	1386	1386	1380	1326	1026				
LCM20A2C	15.0	20	65 x 50										714	672	618	432



CENTRIFUGAL MONOBLOC PUMPS CLASS "A"

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 3-PHASE/ 415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

MODEL		MOTOR RATIO		Head(M)										
No.	kW	HP	SucXDel	Discharge (LPM)	8	10	12	14	16	18	20	22	24	26
LCMP12	2.2	3	80 x 65		1000	923	852	750	637					
LCMP2	2.2	3	65 x 50				680	660	620	590	530	460		
LCMP2H	2.2	3	65 x 50						876	828	786	672	620	540
LCMP 335H	2.2	3	65 x 50				760	730	687	640	588	543		

MODEL		MOTOR RATI		Head(M)										
No.	kW	HP	SucXDel	Discharge (LPM)	8	10	12	14	16	18	20	22	24	26
LCMP 6H	3.7	5	80 x 65				1200	1170	960	780				
LCMP 4H	3.7	5	65 x 50					940	860	780	700			
LCMP 31FH	3.7	5	65 x 50							750	740	720	600	380
LCMP32FH	3.7	5	100 X100		1770	1440	1140	800						
LCMP 33FH	3.7	5	100 x 80		1770	1440	1140	800						

CENTRIFUGAL MONOBLOC PUMPS CLASS "A"

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 3-PHASE/ 415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

MODEL		MOTOR RATING			Head(M)											
No.	kW	HP	Stage		16	20	22	24	26	28	32	36	38	40	50	60
LCMP 13F	5.5	7.5	100 x 100	Discharge (LPM)	1608	1392	1266	1170								
LCMP 13	5.5	7.5	100 x 80		1608	1392	1266	1170								
LCMP 10H	5.5	7.5	80 x 65			1120	1110	1100	1080	1040	850	582				
LCMP 10H1	5.5	7.5	65 x 50						822	810	786	708	642			
LCMP 35FH	5.5	7.5	65 x 50									820	810	810	564	
LCMP 60H	5.5	7.5	65 x 50										672	668	666	474

Performance may vary depending on Voltage, Frequency and Field Condition

MODEL		MOTOR RATING			Head (M)												
No.	kW	HP	Suc x Del		22	26	28	30	32	34	38	44	46	48	54	64	72
LCMP 15FH	7.5	10	100 x 100	Discharge (LPH)	1840	1640	1500	1370	1190	710							
LCMP 15F	7.5	10	100 x 80		1840	1640	1500	1370	1190	710							
LCMP 11HH	7.5	10	80 x 65				1230	1224	1212	1188	1110	546					
LCMP 11H	7.5	10	80 x 65			1122	1115	1106	1104	1099	1078	880	723				
LCMP 43FH	7.5	10	65 x 50								910	890	880	860	720		
LCMP 14H	7.5	10	65 x 50									670	660	660	630	312	
LCMP 14HS	7.5	10	65 x 50										720	720	720	670	460

MODEL		MOTOR RATING			Head (M)												
No.	kW	HP	Suc x Del		24	28	32	36	38	46	48	54	56	58	62	70	76
LCMP 22	9.3	12.5	100 x 80	Discharge (LPH)	1720	1540	1240	900	660								
LCMP 20	9.3	12.5	80 x 65					1308	1302	1200	1090						
LCMP 18H	9.3	12.5	65 x 50								840	816	780	630			
LCMP 49F	9.3	12.5	65 x 50										684	684	672	486	276

MODEL		MOTOR RATING			Head (M)												
No.	kW	HP	Suc x Del		24	28	32	36	38	40	46	48	50	56	62	66	70
LCMP 26	11.0	15.0	100 x 80	Discharge (LPH)	1900	1830	1750	1600	1480	1380							
LCMP 24H	11.0	15.0	80 x 65					1368	1350	1338	1260	1200	1120				
LCMP 32H	11.0	15.0	65 x 50									1050	1040	990	940	890	860

Performance may vary depending on Voltage, Frequency and Field Condition

MODEL		MOTOR RATING			Head (M)												
No.	kW	HP	Suc x Del		32	36	40	46	50	56	58	62	66	74	78	82	90
LCMP 54M	15.0	20.0	100 x 80	Discharge (LPH)	1940	1900	1780	1540	1020								
LCMP 60M	15.0	20.0	65 x 50							870	850	830	800	720	600		
LCMP 44F	15.0	20.0	65 x 50								600	580	570	540	520	510	420

MODEL		MOTOR RATING			Head (M)												
No.	kW	HP	Suc x Del		7	8	9	10	11	12	13	14	15	16	18		
LCM C21S	1.5	2	65 X 50	Discharge (LPH)		770	710	620	490								
LCM C31S	2.2	3	100 X 100		1690	1580	1370	1150	920								
LCM C51S	3.7	5	100 X 100					1670	1590	1480	1330	1150	940				
LCM C751S	5.5	7.5	100 X 100					2010		1860		1690		1440	1110		

Performance may vary depending on Voltage, Frequency and Field Condition

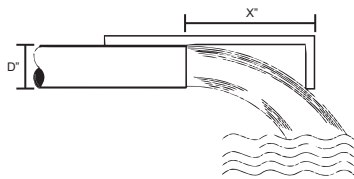
SUBMERSIBLE PUMPSET CABLE SELECTION CHART

HP	CABLE LENGTH IN METERS																			
	10	20	30	40	50	60	70	80	90	100	120	140	180	200	250	300	350	400	450	500
	Cable Size in Sq.mm																			
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	4.00	4.00
2.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	2.50	4.00	4.00	4.00	4.00
3.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	4.00	4.00	4.00	4.00	6.00	6.00	6.00
4.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	4.00	4.00	6.00	6.00	6.00	6.00	10.00	10.00
5.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	2.50	4.00	4.00	6.00	6.00	10.00	10.00	10.00	10.00
6.00	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	2.50	2.50	4.00	4.00	6.00	6.00	10.00	10.00	10.00	10.00	16.00
7.50 S	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	4.00	4.00	4.00	4.00	6.00	6.00	10.00	10.00	10.00	10.00	16.00	16.00
7.50 D	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	4.00	4.00	4.00	6.00	6.00	6.00	10.00	10.00
10.00	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	2.50	2.50	4.00	4.00	6.00	6.00	10.00	10.00	10.00	10.00	16.00
12.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	4.00	4.00	4.00	4.00	6.00	6.00	10.00	10.00	10.00	16.00	16.00	16.00
15.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	4.00	4.00	4.00	4.00	6.00	6.00	10.00	10.00	10.00	16.00	16.00	16.00	16.00
17.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	6.00	6.00	10.00	10.00	10.00	16.00	16.00	16.00	25.00	25.00
20.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	6.00	6.00	10.00	10.00	10.00	16.00	16.00	16.00	25.00	25.00	25.00
25.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	6.00	6.00	10.00	10.00	16.00	16.00	25.00	25.00	25.00	25.00	25.00
30.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	10.00	10.00	10.00	16.00	16.00	25.00	25.00	35.00	35.00	35.00
40.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	16.00	16.00	25.00	25.00	35.00	35.00	50.00	50.00	50.00
50.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	25.00	25.00	35.00	35.00	50.00	50.00	50.00	70.00
60.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	35.00	35.00	50.00	50.00	50.00	70.00	70.00
70.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	35.00	50.00	50.00	50.00	70.00	70.00	70.00
80.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	70.00	70.00	95.00	95.00

Conversion Table: 1m = 3.28 ft | 1 ft = 0.305 m

For other Voltages the cable size is to be selected as follows:
 Calculated length = (220 / Volt) x actual length.

HORIZONTAL DISTANCE "X" IN INCHES	DISCHARGE MANAGEMENT CHART								
	DISCHARGE RATE (GALLONS PER MINUTE)								
	1"	1.25"	1.5"	2"	2.5"	3"	4"	5"	6"
1	5.7	9.8	13.3	22.0	31.0	49.0	83.0	130.0	190.0
2	7.1	12.2	16.6	28.0	39.0	61.0	104.0	165.0	240.0
3	8.5	14.7	20.0	33.0	47.0	73.0	125.0	195.0	285.0
4	10.0	17.1	23.2	39.0	55.0	85.0	146.0	230.0	335.0
5	11.3	19.6	26.5	44.0	62.0	98.0	166.0	260.0	380.0
6	12.8	22.0	29.8	50.0	70.0	110.0	187.0	295.0	430.0
7	14.2	24.5	33.2	55.0	78.0	122.0	208.0	325.0	475.0
8	15.6	26.0	36.5	61.0	86.0	134.0	229.0	360.0	525.0
9	17.0	29.0	39.0	66.0	94.0	147.0	250.0	390.0	570.0
10	18.5	31.5	43.0	72.0	101.0	159.0	270.0	425.0	620.0
11	20.0	34.0	46.5	77.0	109.0	171.0	291.0	450.0	665.0
12	21.3	36.3	49.6	83.0	117.0	183.0	312.0	490.0	710.0
13	22.7	39.0	53.0	88.0	125.0	196.0	333.0	520.0	760.0
14	24.1	41.5	56.3	94.0	133.0	208.0	353.0	555.0	810.0
15	25.5	43.7	59.6	99.0	140.0	220.0	374.0	590.0	855.0
16	27.0	46.2	62.9	105.0	148.0	232.0	395.0	620.0	905.0
17	28.4	48.6	66.2	111.0	156.0	244.0	416.0	650.0	950.0
18	29.8	51.0	69.5	116.0	164.0	256.0	437.0	685.0	1000.0
19	31.2	53.5	72.8	122.0	172.0	269.0	457.0	720.0	1050.0
20	32.7	55.9	76.1	127.0	179.0	281.0	478.0	750.0	1095.0
21	34.1	58.3	79.4	133.0	187.0	293.0	499.0	780.0	1140.0
22	35.5	60.7	82.7	138.0	195.0	306.0	520.0	815.0	1190.0
23	36.9	63.2	86.0	144.0	203.0	318.0	541.0	845.0	1235.0
24	38.3	65.6	89.3	149.0	211.0	330.0	561.0	880.0	1285.0



EXAMPLE :
HORIZONTAL DISTANCE
NORMAL PIPE DIAMETER
DISCHARGE

"X" = 15"
"D" = 2"
Q = 83 GPM

FOR CONVERSION OF GALLONS PER
MINUTE:
TO LITRES PER SECONDS:
 $83 \text{ GPM} = 83 \times 4.54 / 60 = 6.28 \text{ LPS}$

GENERATOR SELECTION CHART				
MOTOR			RECOMMENDED GENERATOR CAPACITY	
			INTERNALLY REGULATED	
S.No.	kW	HP	kW	HP
1	0.37	0.5	1.5	1.9
2	0.55	0.75	2	2.5
3	0.75	1	2.5	3.125
4	1.10	1.5	3	3.8
5	1.50	2	5	4
6	2.20	3	5	6.25
7	3.00	4	6	7.5
8	3.70	5	7.5	9.4
9	5.50	7.5	10	12.5
10	7.50	10	15	18.8
11	11.0	15	20	25
12	15.00	20	25	31
13	18.50	25	30	37.5
14	22.00	30	40	50
15	26.00	35	45	56.25
16	30.00	40	50	62.5
17	37.00	50	60	75
18	45.00	60	75	94
19	55.00	75	100	125
20	75.00	122	150	188
21	93.00	125	175	219



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