

**Light Sewage & Drainage
Submersible Pumps - 50 Hz**
FSL, FMS & FMP SERIES

Zirantec



www.zirantec.com



ZIRANTEC products are designed & manufactured by well qualified and experienced Engineers in state of the art manufacturing facilities

CERTIFICATION



ZIRANTEC Pumps & Motors are from the house of **Fabbrica Italiana Pompe Sommergibili S.r.l.** a four decades old Italian company of high repute, offering complete waste water solutions around the world. Its current product portfolio includes world class Waste Water Pumps of various types, Multistage Centrifugal Pressure Booster Pumps, Borehole Submersible Pumps & Motors, End Suction Centrifugal Pumps, Industrial Pumps for various applications.

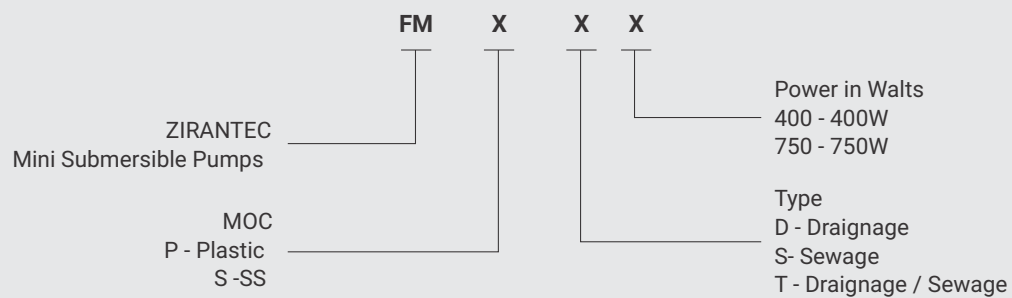
Founded as early as 1978 in Rozzano, South of Milan, Italy by Mr.Orfeo Agostini, the company has witnessed steady growth and market expansion continuously ever since. In these four decades of existence, the company has carved a niche for itself in the waste water and sewage pump market in Italy and other countries. Its products are employed in Municipal, Domestic and Industrial applications. The Company is well known for the unique and robust designs of its products and their workmanship. Due to its superior quality ZIRANTEC products are also exported to many European, African and Asian countries.

ZIRANTEC's products are designed and manufactured to meet high quality Standards and they are 'CE' certified. The Facility is accredited with ISO 9001 Certification.

Over the years, the company has metamorphosed and ventured into manufacturing of high quality water pumps, for domestic, agricultural and industrial applications. In the due process, Fabbrica Italiana Pompe Sommergibili S.r.l. has shed its image of an exclusive sewage and waste water pumps manufacturer to a complete pump production company with an ability to manufacture diverse kinds of pumps for different applications.

Mini Submersible Pumps

MODEL IDENTIFICATION CODE - FMS & FMP SERIES



TECHNICAL SPECIFICATION

Power Range	400 to 1100 Watts
Version	Single Phase 220/230V, 50Hz, A.C. Supply
Degree of Protection	IP 68
Insulation Class	E
Delivery Size	MS - D : 1¼", MS - S : 1½", MP - T : 1½"
Max. Ambient temp.	40°C
Max. liquid temp.	35°C
pH value	6 - 8,5
Max. immersible depth	5m

MATERIAL OF CONSTRUCTION

	FMS Series	FMP Series
Pump Body	Stainless Steel	Plastic
Impeller	Thermoplastic	Thermoplastic
Shaft	S.S 304	S.S 304
Pump Casing	Stainless Steel	Plastic
Mechanical Seal	Carbon Ceramic	Carbon ceramic

APPLICATIONS

- Domestic, Dewatering, Garden

Mini Submersible Pump - FMS Series (S.S Body)

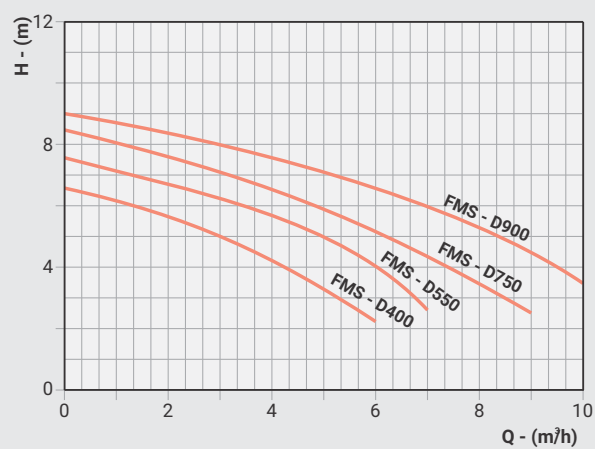
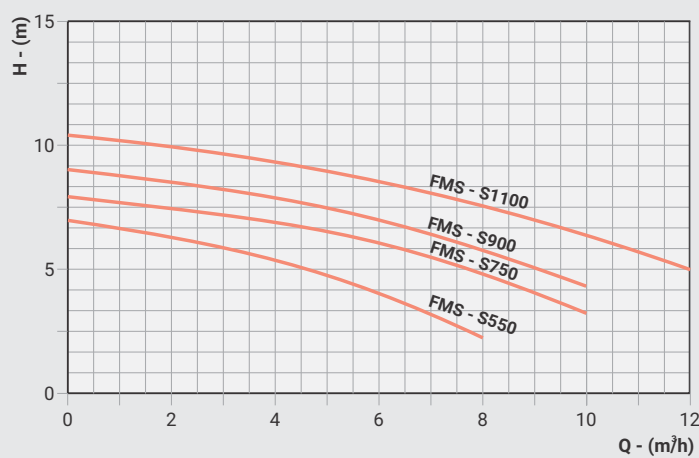


SEWAGE



DRAINAGE

Performance Curves & Data

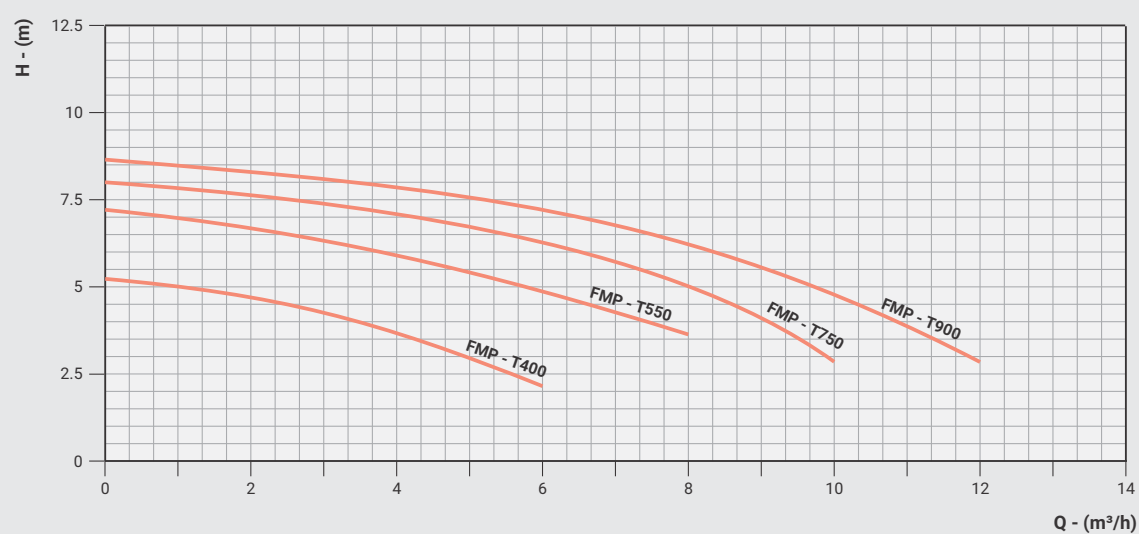


	Model	Power (Watts)	Outlet Size	Solid Handling Capacity (mm)	Max. Flow (m³/h)	Max. Head (m)	Weight (kg)
SEWAGE	FMS - S550	550	1½"	25	8	7	6
	FMS - S750	750	1½"	25	10	8	6.3
	FMS - S900	900	1½"	25	10	9	7
	FMS - S1100	1100	1½"	25	12	10.5	7.8
DRAINAGE	FMS - D400	400	1¼"	5	6	6.5	5
	FMS - D550	550	1¼"	5	7	7.5	5.5
	FMS - D750	750	1¼"	5	9	8.5	5.6
	FMS - D900	900	1¼"	5	10	9	5.8

Mini Submersible Pump - FMP Series (Plastic Body)



Performance Curves & Data



Model	Power (Watts)	Outlet Size	* Solid Handling Capacity (mm)	Max. Flow (m³/h)	Max. Head (m)	Weight (kg)
FMP - T400	400	1½"	25	6	5,5	4
FMP - T550	550	1½"	25	8	7	4,5
FMP - T750	750	1½"	25	10	8	5
FMP - T900	900	1½"	25	12	8,5	5,5

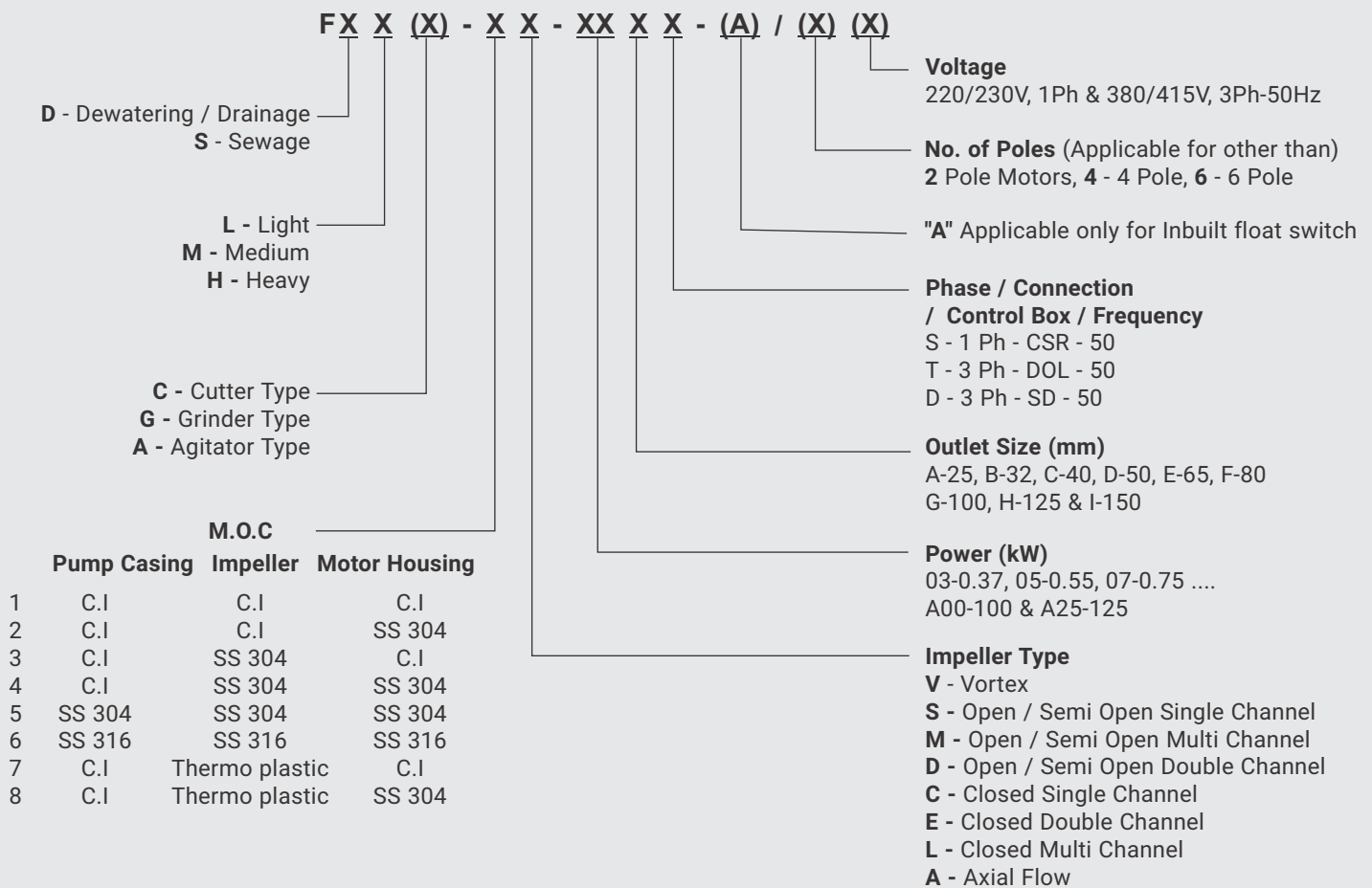
* With legs unfolded condition.

SUBMERSIBLE LIGHT SEWAGE PUMPS

APPLICATIONS

- Drainage sewage water from hotels, houses, commercial buildings, complexes etc.,
- Pumping waste water in industries
- Tunnels and mines
- Pumping sewage water from stock farm
- Sewage treatment plants
- Municipal sewage tanks
- Leather factories

MODEL IDENTIFICATION CODE



Submersible Light Sewage Pumps with Vortex Impeller



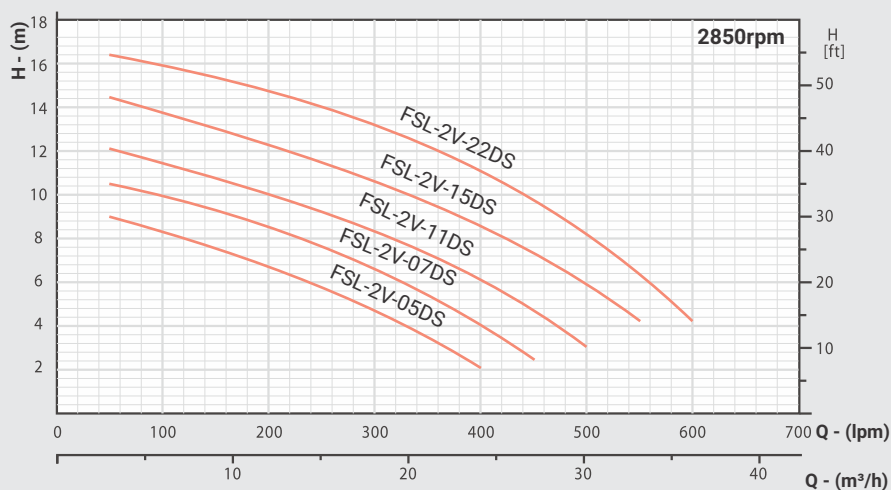
TECHNICAL SPECIFICATION

Power Range	0.55 to 2.2 kW
Version	Single Phase 220/230V, 50Hz, A.C. Supply Three Phase 380-415V, 50Hz, A.C. Supply
Degree of Protection	IP 68
Insulation Class	B
Delivery Size	50mm
Max. Ambient temp.	40°C
Max. liquid temp.	35°C
Working	Continuous Service S1
Max. immersible depth	5m
Winding Protection	Thermal protector for single phase
Max. Solid Passage	35mm

MATERIAL OF CONSTRUCTION

Component	Construction
Pump Body	Cast Iron
Motor housing	AISI 201 SS
Impeller	Ductile Iron
Motor shaft	AISI 304 SS
Mechanical Seal	SiC/SiC
Cable	6m power cable with plug

PERFORMANCE CURVES & TABLE



DIMENSIONS DETAIL

MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
FSL-2V-05DS	2"	35	17.5	295×208×492
FSL-2V-07DS	2"	35	18.2	295×208×502
FSL-2V-11DS	2"	35	20.2	295×208×516
FSL-2V-15DS	2"	35	22.6	295×208×545
FSL-2V-22DS	2"	35	23.9	295×208×560

MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30	33	36
	kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	400	450	500	550	600
FSL-2V-05DS	0.55	0.75	H	9.5	8.9	8.3	7.5	6.7	5.7	4.7	3.4	2.1				
FSL-2V-07DS	0.75	1		10.8	10.5	9.9	9.1	8.5	7.6	6.7	5.5	4.2	2.5			
FSL-2V-11DS	1.1	1.5		12.7	12.1	11.4	10.7	10	9.2	8.3	7.2	6	4.8	3.1		
FSL-2V-15DS	1.5	2		15	14.5	13.8	13	12.3	11.4	10.6	9.8	8.6	7.2	5.7	4.2	
FSL-2V-22DS	2.2	3		17	16.4	15.9	15.2	14.5	13.8	12.9	12.2	11.2	9.9	8.2	6.4	4.2

Submersible Light Sewage Pumps with Double Channel Open Impeller



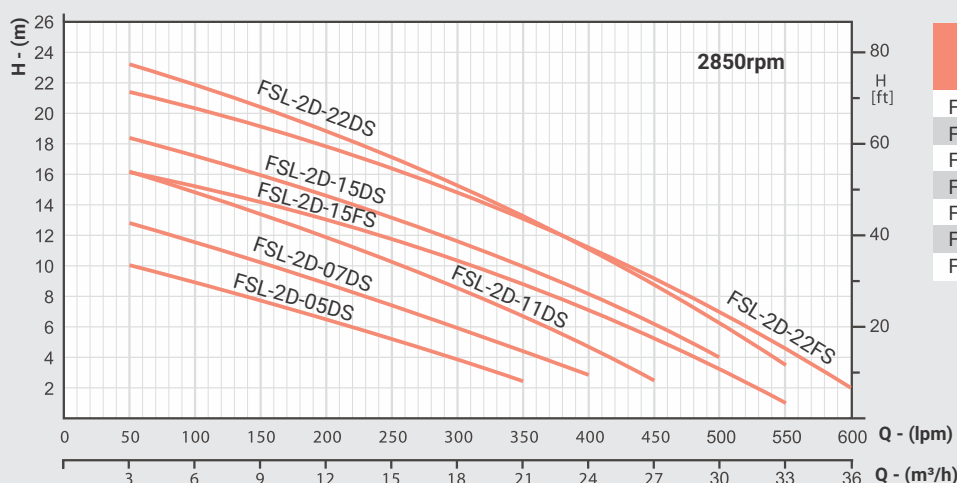
TECHNICAL SPECIFICATION

Power Range	0.55 to 2.2 kW
Version	Single Phase 220/230V, 50Hz, A.C. Supply Three Phase 380-415V, 50Hz, A.C. Supply
Degree of Protection	IP 68
Insulation Class	B
Delivery Size	Upto 80mm
Max. Ambient temp.	40°C
Max. liquid temp.	35°C
Working	Continuous Service S1
Max. immersible depth	5m
Winding Protection	Thermal protector for single phase
Max. Solid Passage	10mm

MATERIAL OF CONSTRUCTION

Component	Construction
Pump Body	Cast Iron
Motor housing	AISI 201 SS
Impeller	Ductile Iron
Motor shaft	AISI 304 SS
Mechanical Seal	SiC/SiC
Cable	6m power cable with plug

PERFORMANCE CURVES & TABLE



DIMENSIONS DETAIL

MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
FSL-2D-05DS	2"	14.5	265×188×467
FSL-2D-07DS	2"	15.3	265×188×477
FSL-2D-11DS	2"	17	265×188×483
FSL-2D-15DS	2"	21	285×203×515
FSL-2D-22DS	2"	22	285×203×542
FSL-2D-15FS	3"	21.5	290×195×530
FSL-2D-22FS	3"	23	290×195×555

MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30	33	36
	kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	400	450	500	550	600
FSL-2D-05DS	0.55	0.75	H	11	10	9	7.7	6.5	5.2	4	2.5					
FSL-2D-07DS	0.75	1		14	13	12	11	9.5	8	6	4.5	2.8				
FSL-2D-11DS	1.1	1.5		17.5	16	15	13.5	12	10.5	9	7	5	2.5			
FSL-2D-15DS	1.5	2		19.5	18.8	17.8	16.5	15.5	14	12.5	10.5	8.5	6.5	4		
FSL-2D-22DS	2.2	3		24.5	23	21.5	20	18.5	17	15.5	13.5	11.5	9	6.5	3.5	
FSL-2D-15FS	1.5	2		17	16	15	14	13	11.8	10.5	9	7	5	3	1	
FSL-2D-22FS	2.2	3		23	21.5	20	18.5	17.5	16	15	14	12.5	11	8.5	5.5	2

Submersible Light Sewage Pumps with Cutter



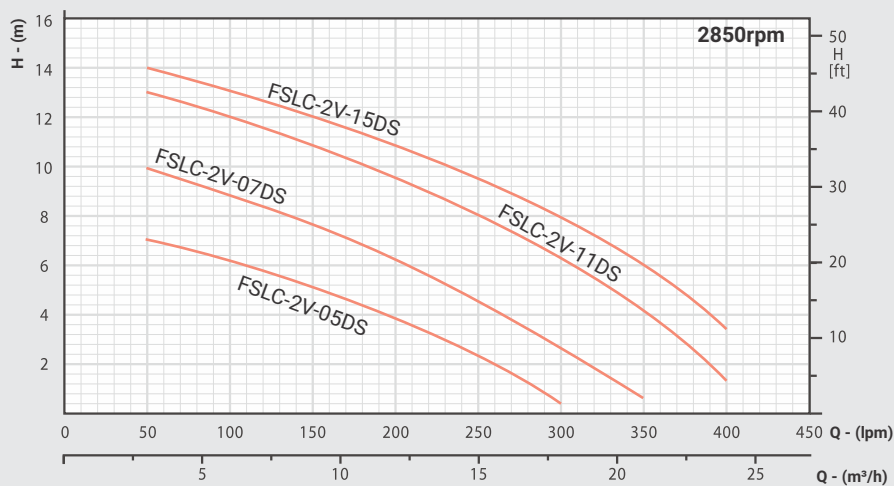
TECHNICAL SPECIFICATION

Power Range	0.55 to 2.2 kW
Version	Single Phase 220/230V, 50Hz, A.C. Supply Three Phase 380-415V, 50Hz, A.C. Supply
Degree of Protection	IP 68
Insulation Class	B
Delivery Size	Upto 65mm
Max. Ambient temp.	40°C
Max. liquid temp.	35°C
Working	Continuous Service S1
Max. immersible depth	5m
Winding Protection	Thermal protector for single phase

MATERIAL OF CONSTRUCTION

Component	Construction
Pump Body	Cast Iron
Motor housing	AISI 201 SS
Impeller	Cast Iron
Motor shaft	AISI 304 SS
Mechanical Seal	SiC/SiC
Cable	Upto 0.75kW 6m power cable with plug Above 0.75kW 8m power cable with plug

PERFORMANCE CURVES & TABLE



DIMENSIONS DETAIL

MODEL	OUTLET (Inch)	PARTIAL (Φmm)	N.W (Kg)	L x W x H (mm)
FSLC-2V-05DS	2"	5	18	230x220x455
FSLC-2V-07DS	2"	5	18.5	230x220x465
FSLC-2V-11DS	2"	8	20	280x215x515
FSLC-2V-15DS	2½"	8	27.5	315x245x550

MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24
	kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	400
FSLC-2V-05DS	0.55	0.75	H	8	7.2	6.1	5	3.8	2.4	0.4	-	-
FSLC-2V-07DS	0.75	1.0		11	9.9	8.8	7.6	6.3	4.5	2.5	0.6	-
FSLC-2V-11DS	1.10	1.5		14	13	12	10.8	9.5	8	6.4	4	1.5
FSLC-2V-15DS	1.5	2.0		15	14	13	12	11	9.5	8	6	3.5

Submersible Light Sewage Pumps with Grinder



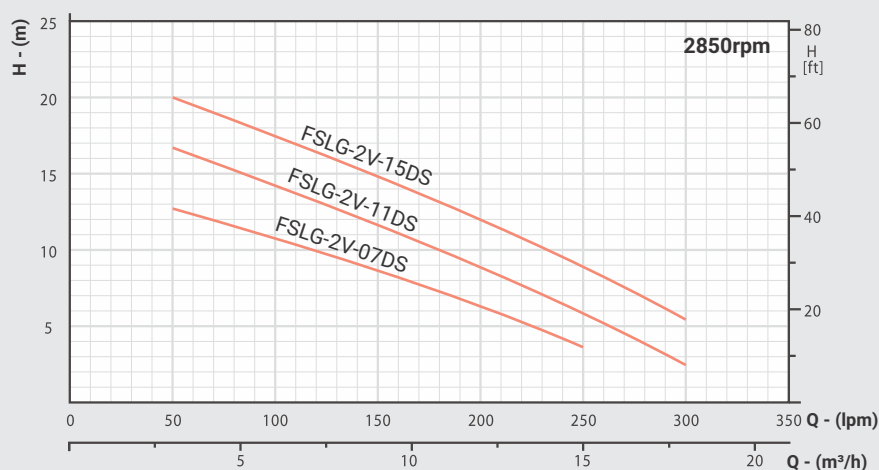
TECHNICAL SPECIFICATION

Power Range	0.8 to 1.5 kW
Version	Single Phase 220/230V, 50Hz, A.C. Supply Three Phase 380-415V, 50Hz, A.C. Supply
Degree of Protection	IP 68
Insulation Class	B
Delivery Size	50mm
Max. Ambient temp.	40°C
Max. liquid temp.	35°C
Working	Continuous Service S1
Max. immersible depth	5m
Winding Protection	Thermal protector for single phase

MATERIAL OF CONSTRUCTION

Component	Construction
Pump Body	Cast Iron
Motor housing	AISI 201 SS
Impeller	Cast Iron
Motor shaft	AISI 304 SS
Mechanical Seal	SiC/SiC
Cable	8m power cable with plug

PERFORMANCE CURVES & TABLE



DIMENSIONS DETAIL

MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
FSLG-2V-07DS	2"	5	21.5	285×220×510
FSLG-2V-11DS	2"	5	23	285×220×530
FSLG-2V-15DS	2"	5	26	285×220×560

MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18
	kW	HP	Q(l/min)	0	50	100	150	200	250	300
FSLG-2V-07DS	0.8	1	H	14	12.7	10.7	8.4	6.2	3.3	
FSLG-2V-11DS	1.1	1.5		19	16.8	14.3	11.7	9	6.2	2.5
FSLG-2V-15DS	1.5	2		22	20	17.3	14.3	11.2	8.2	5.2



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