



SL Series

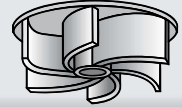
SL series pumps are equipped with vortex impeller. The benefit of a vortex impeller over a channel impeller is the minimised risk of clogging. A Vortex impeller is also a better choice when the pumped liquid has a high content of sand. SL Series pumps have large free passage upto 1" in diameter suitable for lifting of sewage liquids, civil waste and industrial water containing solids and viscous materials, heavy muds or fermented sludge.

Operating parameters	
Max Flow	upto 43.2m ³ /hr
Max Head	upto 18.1m
Impeller Type	Vortex - Curved vane
Outlet Size	40, 50 & 65mm
Max Solid Size	upto 25mm
Maximum Liquid Temperature	upto 40°C
Service	S1 Duty
No. of Starts / Per Hour	20
Max. immersion depth	20m
pH range	6 to 12
Liquid Viscosity	1 mm ² /s
Liquid Density	1kg/dm ³
Max. Noise level	≤ 70dB

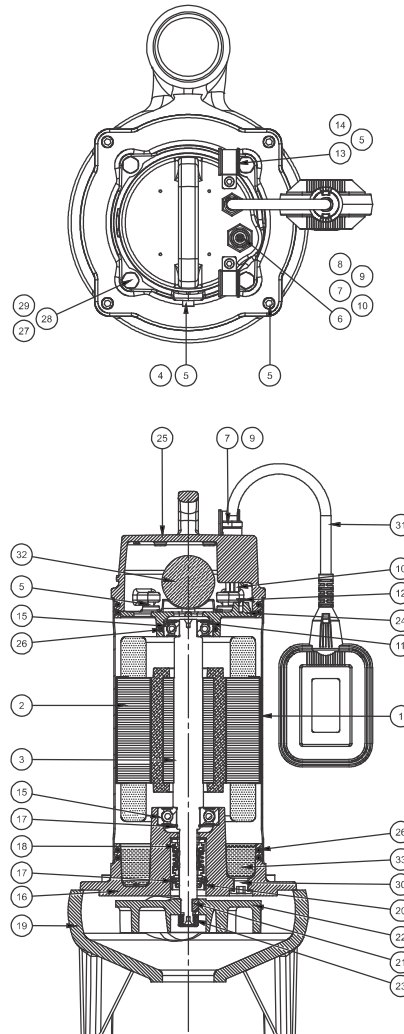
Specifications	
Power Range	0.55 to 2.2 kW
Power Supply	230V - Single phase & 380-415V - Three Phase, 50Hz, AC.
Ingress Protection	IP68
Motor	Dry Type Induction motor
Speed	2850 rpm
Class of Insulation	H
Thermal Overload Protector	* Available
Starting Method	Single Phase - CSR, Three Phase - DOL
Shaft Seal	Single Face & Double Face Single Mechanical seal
Mechanical Seal Face Combination	Silicon Carbide / Silicon Carbide
Bearing Type	Shielded prelubricated bearing
Cable Type	HO7RNF
Standard Cable Length	10m

Material of Construction	
Casing	Cast iron EN-GJL-260
Impeller	Cast iron EN-GJL-260
Motor Body Tube	Stainless Steel AISI 304
Shaft	Stainless Steel X30 Cr13 (AISI 420)
Fasteners	Stainless Steel A2 (AISI 304)

SL Series



Cross Sectional Drawing



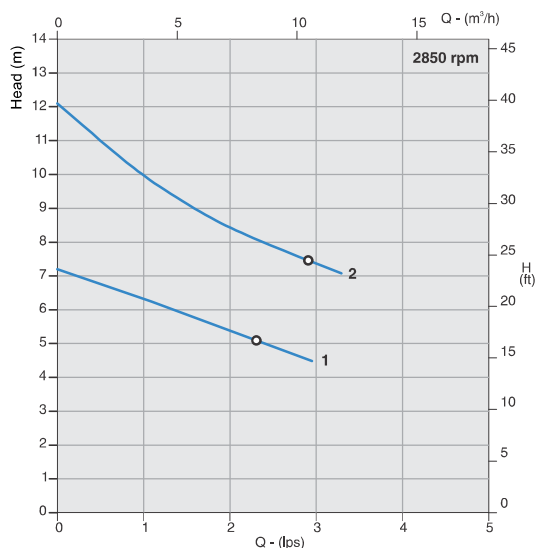
1. Body Tube
2. Wound Stator
3. Rotor Shaft
4. Washer - PTFE
5. Allen Bolt
6. Cable
7. Cable Gland
8. Washer - Brass

9. Grommet
10. Ring Staple
11. Wave Washer
12. Screw
13. Bush
14. Clamp
15. Bearing
16. Motor Flange
17. Circlip
18. Mechanical Seal
19. Casing
20. Oil Seal
21. Key
22. Impeller
23. Hex Nut
24. Bearing Flange

25. Motor Cover
26. O-ring
27. Tie Rod
28. Doom Nut
29. Washer Spring
30. Drain Plug
31. Float Switch
32. Capacitor
33. Oil



PERFORMANCE CURVES



PERFORMANCE TABLE

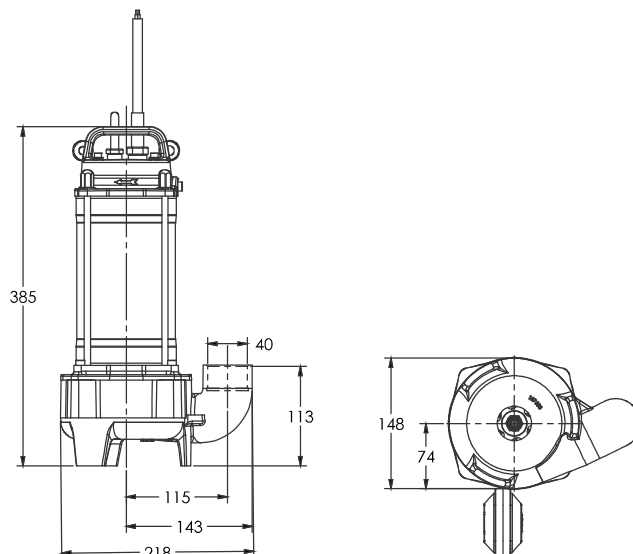
No	Model - Type	P2 kW	Volt	Supply	Amp	rpm	Delivery Size (mm)	Max. Solid Size (mm)	Weight (kg)	l/sec m³/h	0	1	2	3	4	5	6
1	SL-2V-05CS-A ●	0.55	230	1Ph	3	2850	40	39	16	Head in m	7.2	6.3	5.3	4.4			
1	SL-2V-05CT	0.55	400	3Ph	2	2850	40	39	16		7.2	6.3	5.3	4.4			
2	SL-2V-07CS-A ●	0.75	230	1Ph	4.8	2850	40	39	16		12.1	9.9	8.4	7.3			
2	SL-2V-07CT	0.75	400	3Ph	1.5	2850	40	39	16		12.1	9.9	8.4	7.3			

● Inbuilt capacitor hence separate control box is not required.

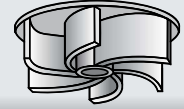
IDENTIFICATION CODE & POWER CABLE SIZE

No	Product Code	Model - Type	Power Cable		Control Cable	Pump Outlet flange type (inch)
			No. of Core	Size in Sq.mm		
1	610555	SL-2V-05CS-A	4	1.5	NA	THREADED 1½" BSP
1	610556	SL-2V-05CT	4	1.5	NA	THREADED 1½" BSP
2	610557	SL-2V-07CS-A	4	1.5	NA	THREADED 1½" BSP
2	610558	SL-2V-07CT	4	1.5	NA	THREADED 1½" BSP

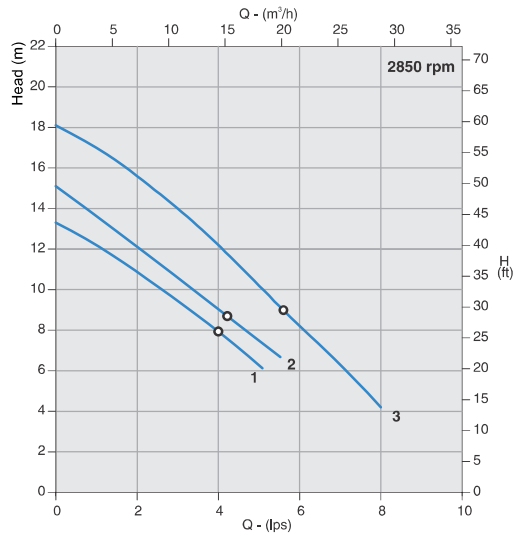
Dimension Drawing



SL Series



PERFORMANCE CURVES

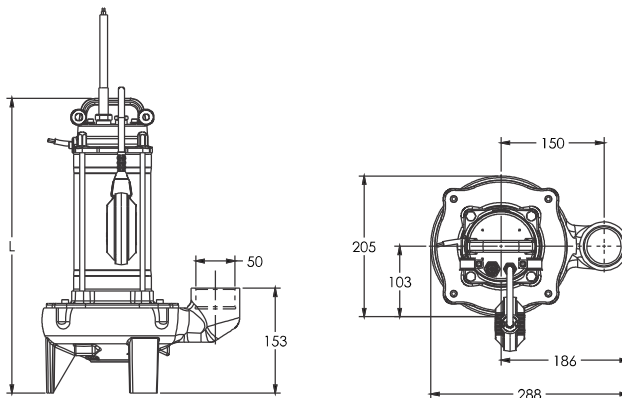


PERFORMANCE TABLE																				
No	Model - Type	P2 kW	Volt	Supply	Amp	rpm	Delivery Size (mm)	Max. Solid Size (mm)	Weight (kg)	I/sec m³/h	0	1	2	3	4	5	6	7	8	9
1	SL-2V-07DS-A●	0.75	230	1Ph	4.6	2850	50	44	20.5	Head in m	13.3	12.2	10.8	9.3	7.9	6.2				
1	SL-2V-07DT	0.75	400	3Ph	2.1	2850	50	44	20.5		13.3	12.2	10.8	9.3	7.9	6.2				
2	SL-2V-15DS-A●	1.5	230	1Ph	7.1	2850	50	44	23.5		15.1	13.6	12.1	10.5	9	7.4	6			
3	SL-2V-15DT	1.5	400	3Ph	3.1	2850	50	44	23.5		18.1	17	15.6	14	12	10.2	8.2	6.3	4.5	

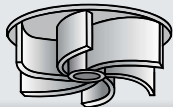
● Inbuilt capacitor hence separate control box is not required.

IDENTIFICATION CODE & POWER CABLE SIZE						
No	Product Code	Model - Type	Power Cable		Control Cable	Pump Outlet flange type (inch)
			No. of Core	Size in Sq.mm		
1	610559	SL-2V-07DS-A	4	1.5	NA	THREADED 1½" BSP
1	610560	SL-2V-07DT	4	1.5	NA	THREADED 1½" BSP
2	610561	SL-2V-15DS-A	4	1.5	NA	THREADED 1½" BSP
3	610562	SL-2V-15DT	4	1.5	NA	THREADED 1½" BSP

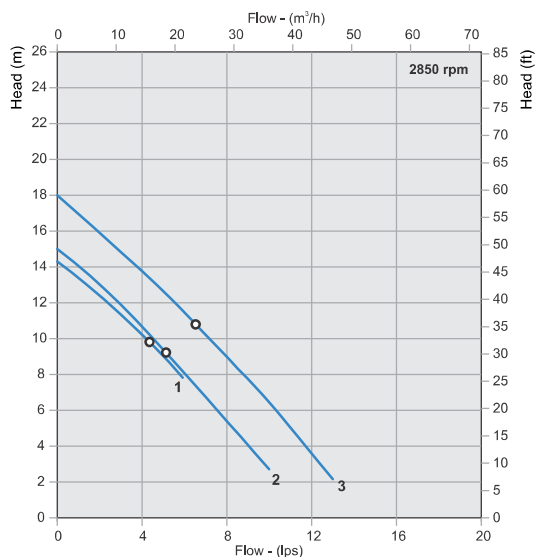
Dimension Drawing



MODEL	L
SL - 2V-07DS-A	430
SL - 2V-07DT	430
SL - 2V-15DS-A	466
SL - 2V-15DT	466



PERFORMANCE CURVES

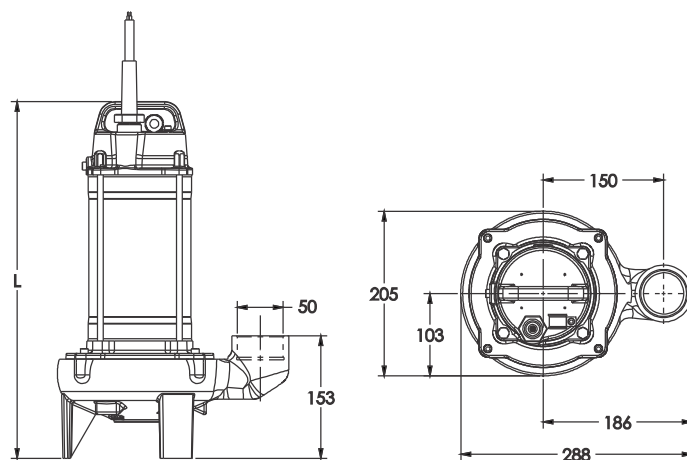


PERFORMANCE TABLE																			
No	Model - Type	P2 kW	Vol	Supply	Amp	rpm	Delivery Size (mm)	Max. Solid Size (mm)	Weight (kg)	I/sec m³/h	0	2	4	6	8	10	12	14	16
1	SL-2V-11DS-A●	1.1	230	1Ph	7.5	2850	50	44	26	Head in m	14.2	13	10.2	7.6	5.5	3	6.5	3.5	
2	SL-2V-11DT	1.1	400	3Ph	3	2850	50	44	24		14.2	13	10.6	8.1					
3	SL-2V-22DT	2.2	400	3Ph	4.4	2850	50	44	26		18	16	13.8	11.5					

● Inbuilt capacitor hence separate control box is not required.

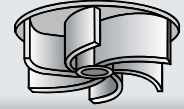
IDENTIFICATION CODE & POWER CABLE SIZE						
No	Product Code	Model - Type	Power Cable		Control Cable	Pump Outlet flange type (inch)
			No. of Core	Size in Sq.mm		
1	610565	SL-2V-11DS-A	4	1.5	NA	THREADED 1½" BSP
2	610563	SL-2V-11DT	4	1.5	NA	THREADED 1½" BSP
3	610567	SL-2V-22DT	4	1.5	NA	THREADED 1½" BSP

Dimension Drawing

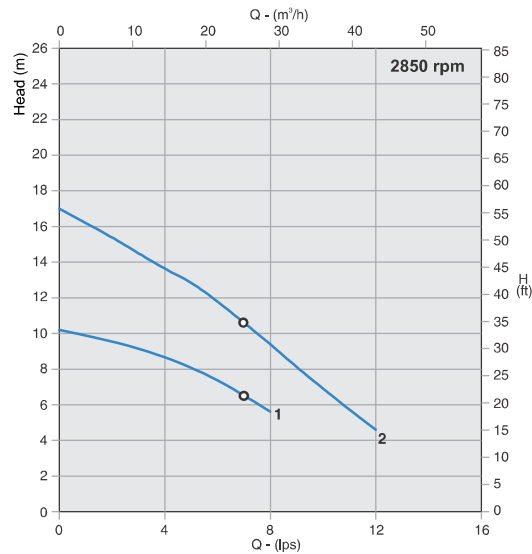


MODEL	L
SL-2V-11DS-A	465
SL-2V-11DT	445
SL-2V-22DT	465

SL Series



PERFORMANCE CURVES



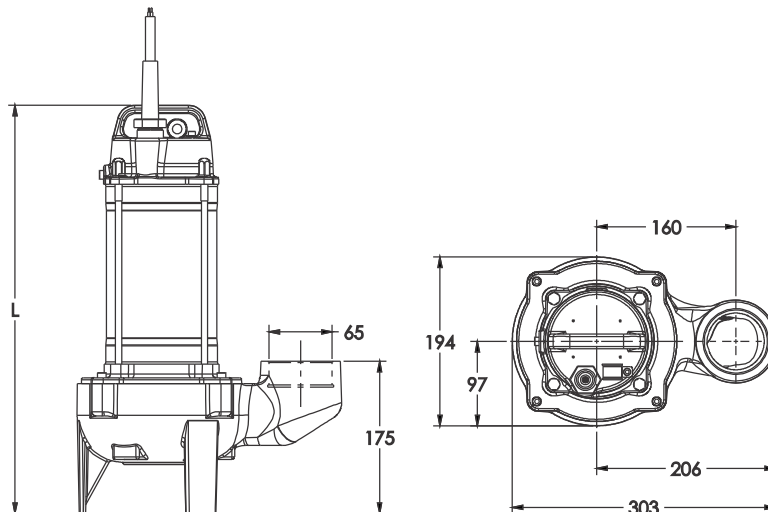
PERFORMANCE TABLE																		
No	Model - Type	P2 kW	VoIt	Supply	Amp	rpm	Delivery Size (mm)	Max. Solid Size (mm)	Weight (kg)	I/sec m³/h	0	2	4	6	8	10	12	14
1	SL-2V-11ES-A ●	1.1	230	1Ph	7.6	2850	65	55	26.5	Head in m	10.2	9.5	8.6	7.3	5.6			
1	SL-2V-11ET	1.1	400	3Ph	3	2850	65	55	24.5		10.2	9.5	8.6	7.3	5.6			
2	SL-2V-22ET *	2.2	400	3Ph	4	2850	65	55	27.5		17	15.4	13.6	11.8	9.4	6.9	4.6	

● Inbuilt capacitor hence separate control box is not required.

* Inbuilt Top

IDENTIFICATION CODE & POWER CABLE SIZE						
No	Product Code	Model - Type	Power Cable		Control Cable	Pump Outlet flange type (inch)
			No. of Core	Size in Sq.mm		
1	610564	SL-2V-11ET	4	1.5	NA	THREADED 2½" BSP
1	610566	SL-2V-11ES-A	4	1.5	NA	THREADED 2½" BSP
2	610568	SL-2V-22ET	4	1.5	NA	THREADED 2½" BSP

Dimension Drawing



MODEL	L
SL-2V-11ES-A	490
SL-2V-11ET	470
SL-2V-22ET	490