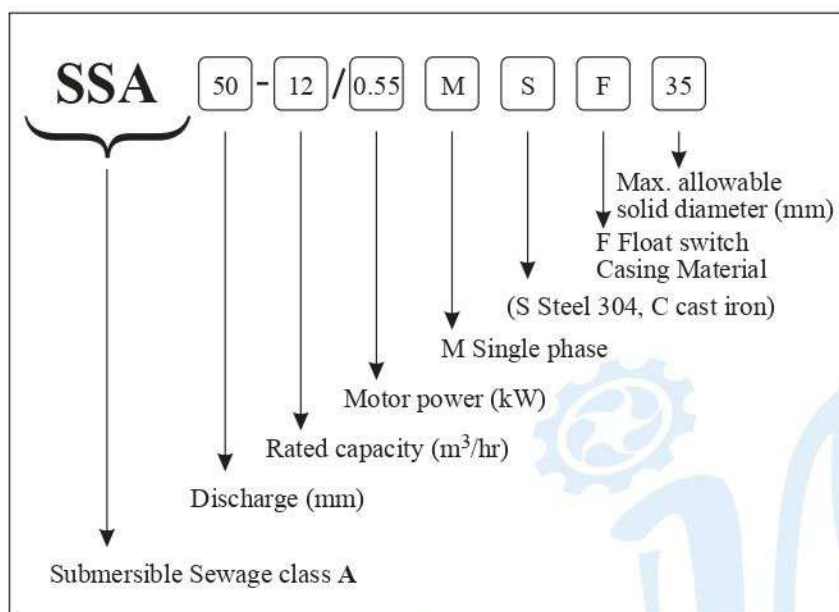




Submersible Single phase Sewage Electropumps in Steel/Cast Iron with Vortex Impeller (SSA)

Nomenclature

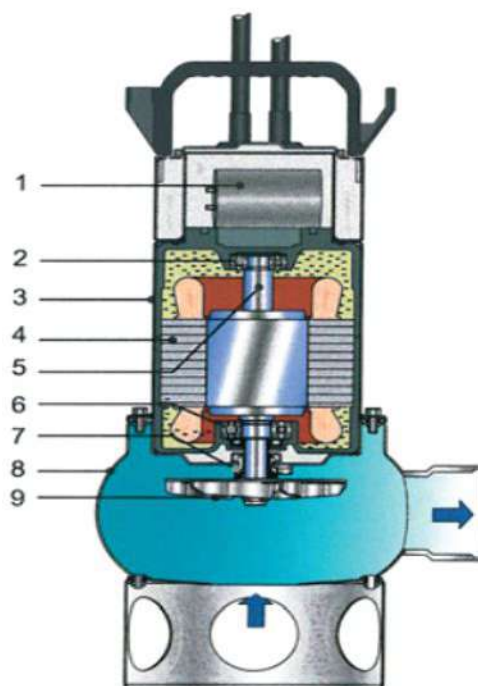


2850 rpm



Pump schematic & Components

1	Capacitor
2	Upper Bearing
3	Motor Casing
4	Motor
5	Motor Shaft
6	Lower Bearing
7	Mechanical Seal
8	Pump Casing
9	Impeller





Submersible Pumps	S Series
Specification: SSA (Sewage Pump)	50 Hz

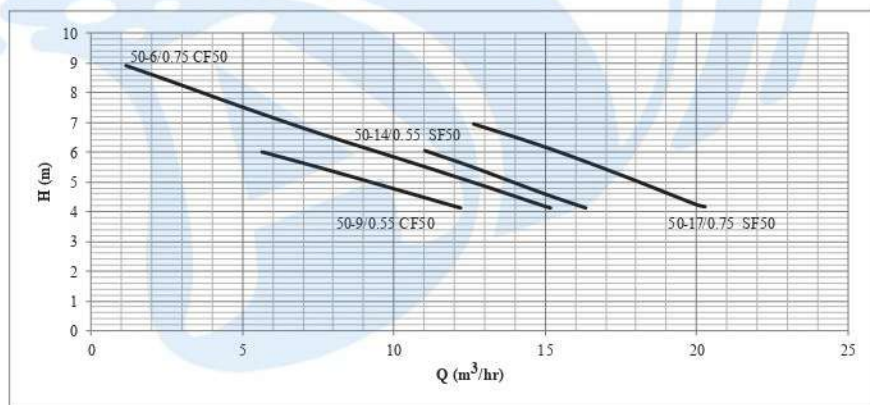
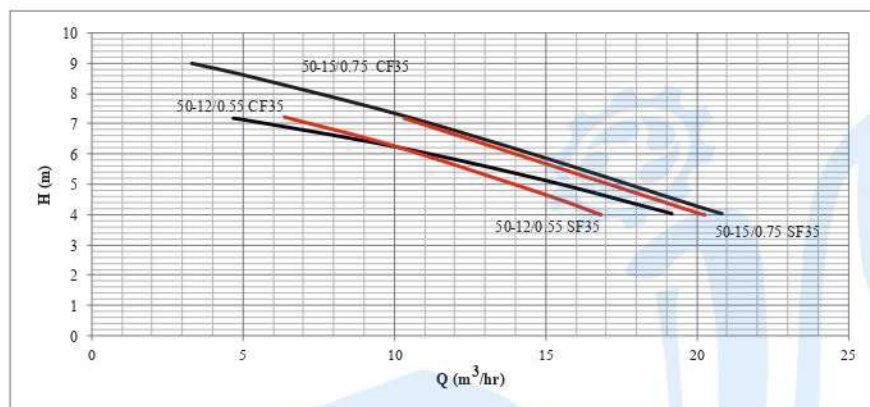
SSA			
PUMP	Liquid Handled	Type of Liquid	Sewage
		Max. Temp. (°C)	40 ^o
		Max. Solids Size (mm)	35 or 50 (depends on the model)
		Max. density (kg/m ³)	1200
		pH Level	4 - 10
	Construction	Impeller	Semi-open vortex
		Shaft seal type	Oil lubricated, single spring double mechanical seal
	Connection	Discharge (mm)	DN 50
	Material	Casing	Stainless Steel
		Impeller	Stainless Steel 304
		Suction Cover	Galvanized Steel
		Shaft	Stainless Steel
		Motor frame	Aluminium
		fasteners	Stainless Steel
		Mechanical Seal	Hot Pressing Carbon/Alumina Ceramic/NBR Impeller Side Hot Pressing Carbon/Alumina Ceramic/NBR Motor Side
	Accessories	Standard	Discharge elbow, Float switch for Single phase
	Certificates	CE	
Motor	Type	Oil filled dry submersible	
	No. of poles	2	
	Rotation Speed (r/min)	2850	
	Insulation Class	F	
	Protection Degree	IP 68	
	Power Rating (kW)	0.55 - 0.75	
	Frequency (Hz)	50 ± 5%	
	Voltage (V)	220±10% for single phase & 380±10% for three phase	
	Starting	DOL	
	Over Load Protection	Built in	
	Cable	material	H07RN-F
		length (m)	5
	Bearings	Permanently lubricated sealed ball bearing	



Performance Curves & Tables

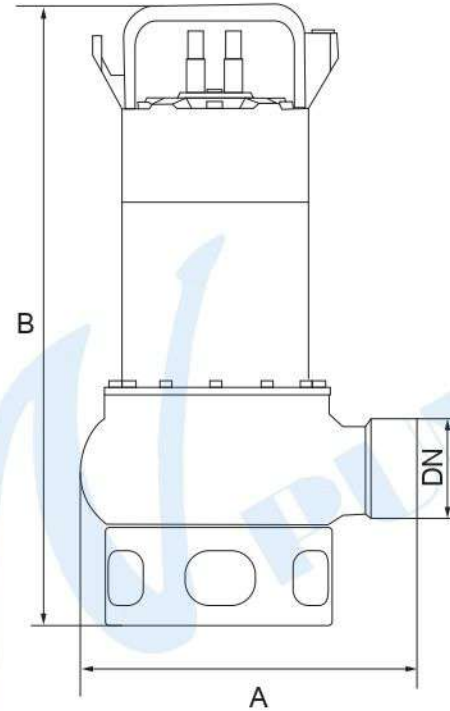
Model	Motor		Q (lit/min)	0	83	166	250	333
Single Phase	HP	kW	Q (m ³ /hr)	0	5	10	15	20
SSA 50-12/0.55 M SF35	0.75	0.55	H (m)	8.9	-	6.3	4.7	-
SSA 50-12/0.55 M CF35	0.75	0.55		8.0	7.1	6.2	5.1	-
SSA 50-15/0.75 M SF35	1.0	0.75		10.7	-	7.2	5.7	4.0
SSA 50-15/0.75 M CF35	1.0	0.75		9.8	-	7.3	5.9	4.3

Model	Motor		Q (lit/min)	0	41	83	125	166	208	250	291	333
Single Phase	HP	kW	Q (m ³ /hr)	0	3	5	8	10	13	15	18	20
SSA 50-9/0.55 M CF50	0.75	0.55	H (m)	7.6	-	-	5.5	4.8	-	-	-	-
SSA 50-14/0.55 M SF50	0.75	0.55		8.4	-	-	-	-	5.5	4.6	-	-
SSA 50-6/0.75 M CF50	1.0	0.75		9.3	8.4	7.5	6.6	5.8	5.0	4.2	-	-
SSA 50-17/0.75 M SF50	1.0	0.75		9.9	-	-	-	-	6.9	6.2	5.2	4.2



Dimensions & Weights

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
SSA 50-14/0.55 M SF50	220	430	50	9.5
SSA 50-9/0.55 M CF50	258	435	50	12.5
SSA 50-17/0.75 M SF50	220	430	50	9.5
SSA 50-6/0.75 M CF50	258	435	50	10.5
SSA 50-12/0.55 M SF35	210	400	50	9.5
SSA 50-12/0.55 M CF35	248	405	50	10.5
SSA 50-15/0.75 M SF35	220	400	50	10
SSA 50-15/0.75 M CF35	248	405	50	13



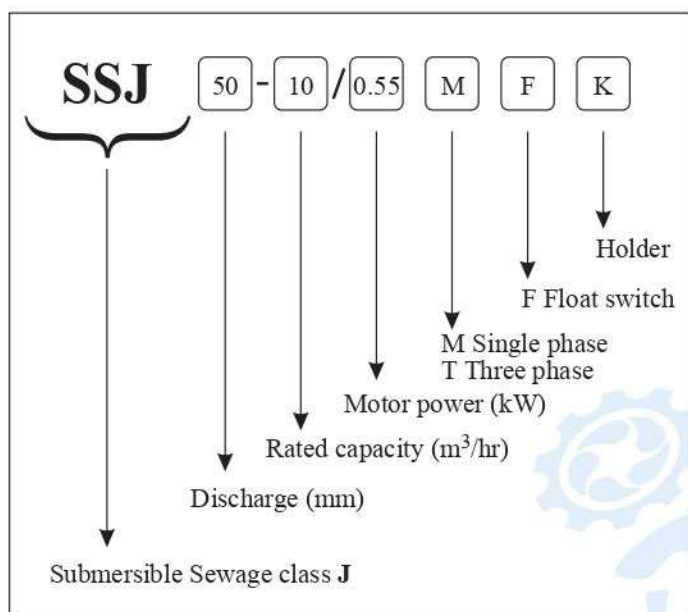
Details & Extra Information

Model	Power		Rate Current (A)	Solid Passage (mm)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)
	kW	HP					
SSA 50-14/0.55 M SF50	0.55	0.75	4.2	50	5	230×200×465	10.5
SSA 50-9/0.55 M CF50	0.55	0.75	4.2	50	5	230×200×465	13.5
SSA 50-17/0.75 M SF50	0.75	1	5.2	50	5	230×200×465	10.5
SSA 50-6/0.75 M CF50	0.75	1	5.2	50	5	230×200×465	11.5
SSA 50-12/0.55 M SF35	0.55	0.75	4.2	35	5	230×200×465	10.5
SSA 50-12/0.55 M CF35	0.55	0.75	4.2	35	5	230×200×465	11.5
SSA 50-15/0.75 M SF35	0.75	1	5.2	35	5	230×200×465	11
SSA 50-15/0.75 M CF35	0.75	1	5.2	35	5	230×200×465	14



Submersible Sewage Electropumps in Cast Iron with Open Impeller (SSJ)

Nomenclature

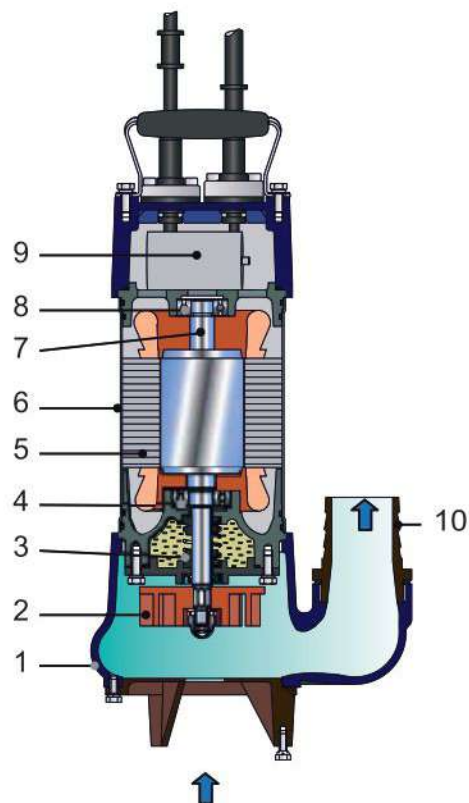


2850 rpm



Pump schematic & Components

1	pump Casing
2	Impeller
3	Mechanical Seal
4	Lower Bearing
5	Motor
6	Motor Casing
7	motor Shaft
8	Upper Bearing
9	Capacitor(Only for Single Phase)
10	Discharge





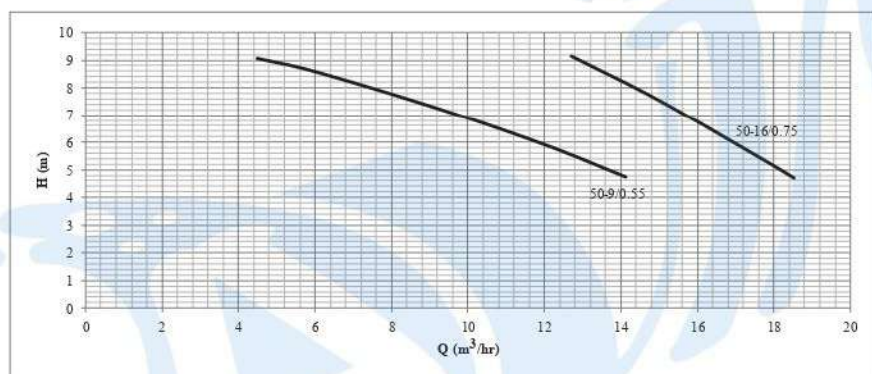
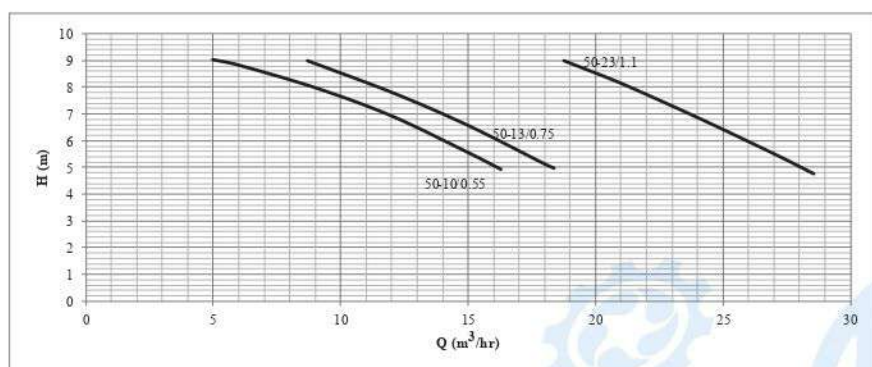
Submersible Pumps	S Series
Specification: SSJ (Sewage Pump)	50 Hz

SSJ			
PUMP	Liquid Handled	Type of Liquid	Sewage
		Max. Temp. (°C)	40°
		Max. Solids Size (mm)	10, 40 or 45 (depends on the model)
		Max. density (kg/m3)	1200
	Construction	Impeller	Semi-open vortex
		Shaft seal type	Oil lubricated, single spring double mechanical seal
	Connection	Discharge (mm)	DN 50
	Material	Casing	Cast Iron
		Impeller	Cast Iron
		Suction Cover	Galvanized Steel
		Shaft	Stainless Steel
		Motor frame	Stainless Steel
		fasteners	Stainless Steel
		Mechanical Seal	Carbon/Ceramic/NBR Impeller Side Carbon/Ceramic/NBR Motor Side
	Accessories	Standard	Discharge elbow, Float switch for Single phase
	Certificates	CE	
Motor	Type	Air filled dry submersible	
	No. of poles	2	
	Rotation Speed (r/min)	2850	
	Insulation Class	F	
	Protection Degree	IP 68	
	Power Rating (kW)	0.55 - 1.1	
	Frequency (Hz)	50 ± 5%	
	Voltage (V)	220±10% for single phase & 380±10% for three phase	
	Starting	DOL	
	Over Load Protection	Built in	
	Cable	material	H07RN-F
		length (m)	5
	Bearings	Permanently lubricated sealed ball bearing	



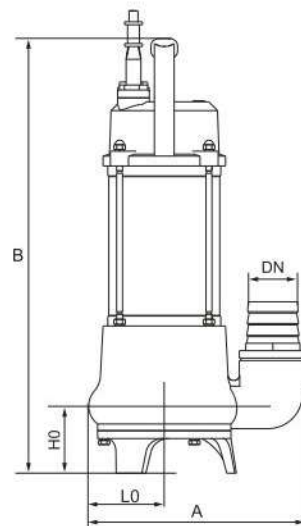
Performance Curves & Tables

Model		Motor		Q (lit/min)	0	100	150	200	250	300	350	400	450
Single Phase	Three Phase	HP	kW	Q (m ³ /hr)	0	6	9	12	15	18	21	24	27
SSJ 50-10/0.55 MF	-	0.75	0.55	H (m)	9.7	8.8	8.0	6.9	5.6	-	-	-	-
SSJ 50-9/0.55 MFK	-	0.75	0.55		10.2	8.6	7.3	5.9	-	-	-	-	-
SSJ 50-13/0.75 MF	SSJ 50-13/0.75 T	1.0	0.75		11.1	-	9.0	7.8	6.6	5.1	-	-	-
SSJ 50-16/0.75 MFK	SSJ 50-16/0.75 TK	1.0	0.75		15.0	-	-	9.1	7.5	5.1	-	-	-
SSJ 50-23/1.1 MF	SSJ 50-23/1.1 T	1.5	1.1		13.6	-	-	-	-	9.0	8.1	6.8	5.5



Dimensions & Weights

Model	Dim.(mm)					N.W. (kg)
	A	B	L0	H0	DN	
SSJ 50-13/0.75 T	220	460	79	67	50	17.5
SSJ 50-23/1.1 T	245	475	90	83	50	20
SSJ 50-10/0.55 MF	220	440	79	67	50	16
SSJ 50-13/0.75 MF	220	460	79	67	50	18
SSJ 50-23/1.1 MF	245	475	90	83	50	22
SSJ 50-9/0.55 MFK	225	435	80	89	50	16
SSJ 50-16/0.75 MFK	225	455	80	89	50	18
SSJ 50-16/0.75 TK	225	455	80	89	50	17.5





Details & Extra Information

Model	Power		Rate Current (A)	Solid Passage (mm)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)
	kW	HP					
SSJ 50-13/0.75 T	0.75	1	2	40	5	260×190×500	18.5
SSJ 50-23/1.1 T	1	1.5	2.7	45	5	285×205×505	21
SSJ 50-10/0.55 M F	0.55	0.75	4.1	40	5	260×190×480	17
SSJ 50-13/0.75 M F	0.75	1	5.2	40	5	260×190×500	19
SSJ 50-23/1.1 M F	1.1	1.5	7.3	45	5	285×205×505	23
SSJ 50-9/0.55 M FK	0.55	0.75	4.1	10	5	260×190×450	17
SSJ 50-16/0.75 M FK	0.75	1	5.2	10	5	260×190×470	19
SSJ 50-16/0.75 T K	0.75	1	2	10	5	260×190×470	18.5