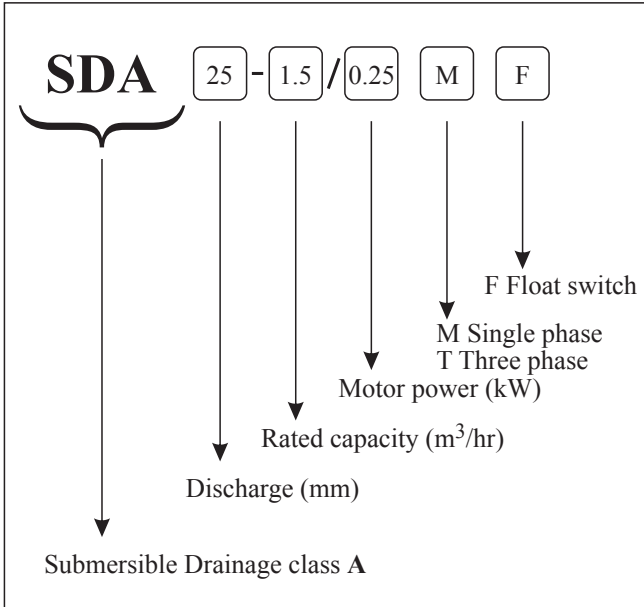




Submersible Drainage Electropumps in Cast Iron (SDA)

Nomenclature

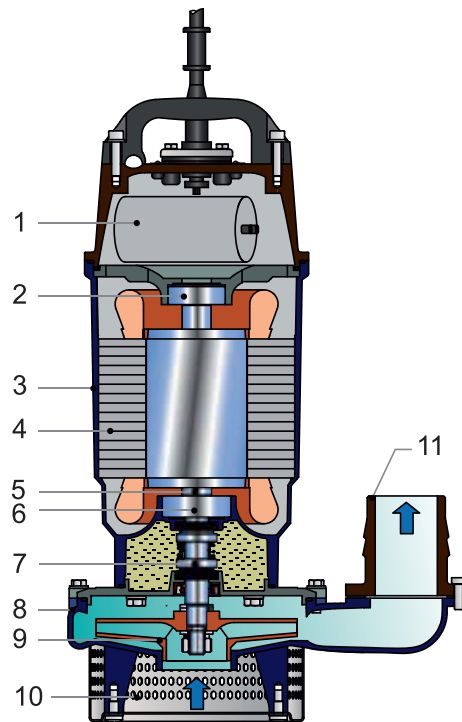


2850 rpm



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
10	Fitter Screen
11	Discharge



Submersible Pumps	S Series
Specification: SDA (Drainage Pump)	50 Hz

SDA			
PUMP	Liquid Handled	Type of Liquid	Clean Water & Dirty Water
		Max. Temp. (°C)	40 ⁰
		Max. Solids Size (mm)	0.2
		Max. Sand content	0.1%
		pH Level	6.5 - 8.5
	Submergence	Max (m)	5
		Min (m)	0.5
	Construction	Impeller	Closed
		Shaft seal type	Oil lubricated, single spring double mechanical seal
	Connection	Suction	Strainer
		Discharge (mm)	DN 25, 32, 40, 50, 65, 80
	Material	Casing	Aluminium
		Impeller	SDA (25-2.5/0.55 M), (25-3.5/0.75 M), (65-27/1.5 T), (80-38/0.75 T) Technopolymer (for other item) Cast Aluminium
		Suction Cover	Galvanized Steel
		Shaft	Stainless Steel
		Motor frame	Aluminium
		fasteners	Stainless Steel
Accessories	Mechanical Seal	Carbon/Ceramic/NBR Impeller Side Carbon/Ceramic/NBR Motor Side	
	Standard	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)		0.25 - 1.5
	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)	8 or 10 (Additional information is provided in SDA model pages)
Bearings		Permanently lubricated sealed ball bearing	



Performance Curves & Tables

Model		Motor		Q (lit/min)	0	16	33	50	66	83	100	116	133	150	166
Single Phase	Three Phase	HP	kW	Q (m3/hr)	0	1	2	3	4	5	6	7	8	9	10
SDA 25-2.5/0.25 M	-	0.33	0.25	Head (m)	13.6	12.9	11.7	9.3	5.6	-	-	-	-	-	-
SDA 25-2.5/0.37 M	-	0.5	0.37		17.9	17.5	16.4	14.6	12.1	9.0	-	-	-	-	-
SDA 25-2.5/0.55 M	-	0.75	0.55		25.3	24.6	23.3	20.8	17.7	-	-	-	-	-	-
SDA 25-3.5/0.75 M	-	1.0	0.75		32.2	31.6	30.5	28.7	26.5	23.5	20.1	-	-	-	-
SDA 25-7/1.1 M	SDA 25-7/1.1 T	1.5	1.1		31.1	-	-	30.2	29.0	27.7	26.2	24.1	21.9	19.2	16.2

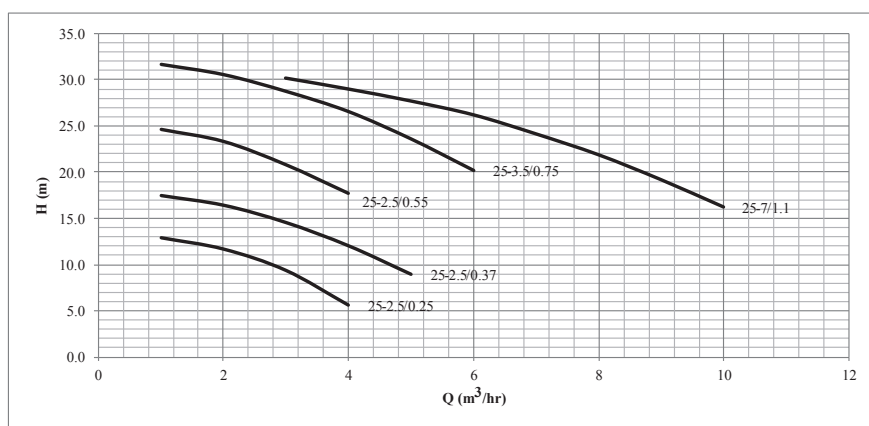
Model		Motor		Q (lit/min)	0	16	33	50	66	83	100	116	133
Single Phase	Three Phase	HP	kW	Q (m3/hr)	0	1	2	3	4	5	6	7	8
SDA 32-4/0.55 M	-	0.75	0.55	Head (m)	21.1	20.7	19.5	17.9	16.1	13.6	10.6	6.8	-
SDA 32-4/0.75 M	-	1.0	0.75		25.7	25.4	24.9	24.0	23.1	21.6	19.7	17.4	15.0

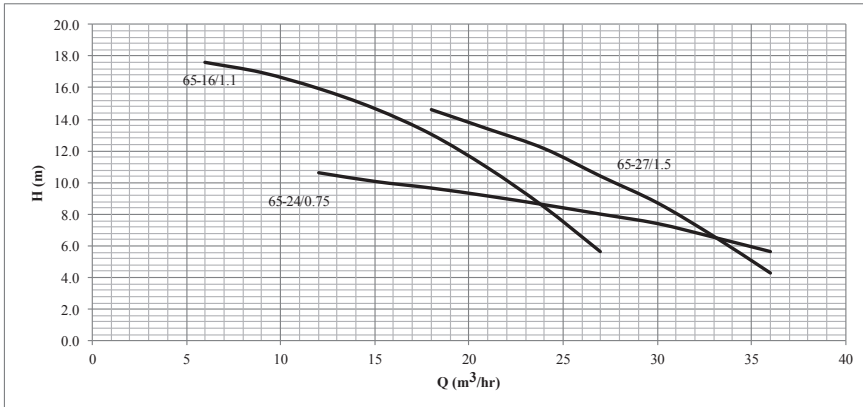
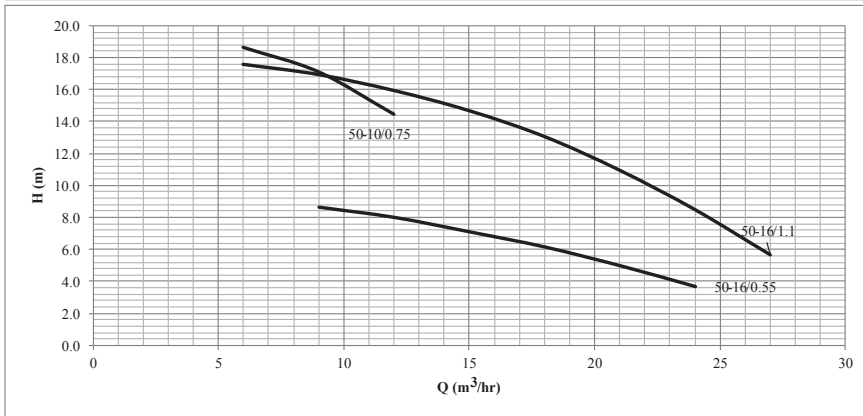
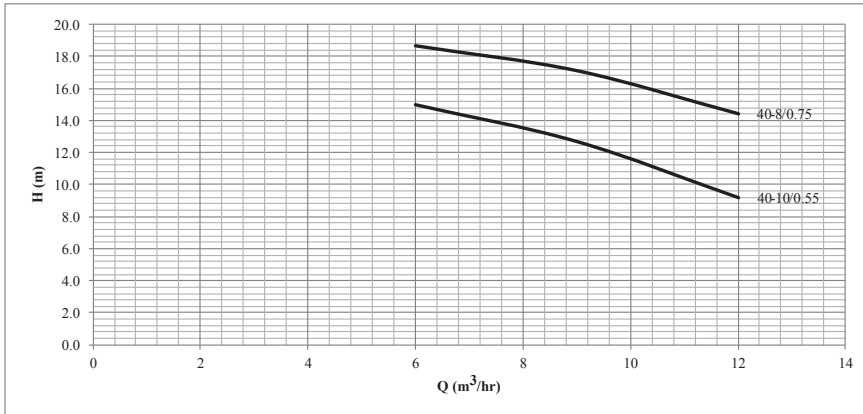
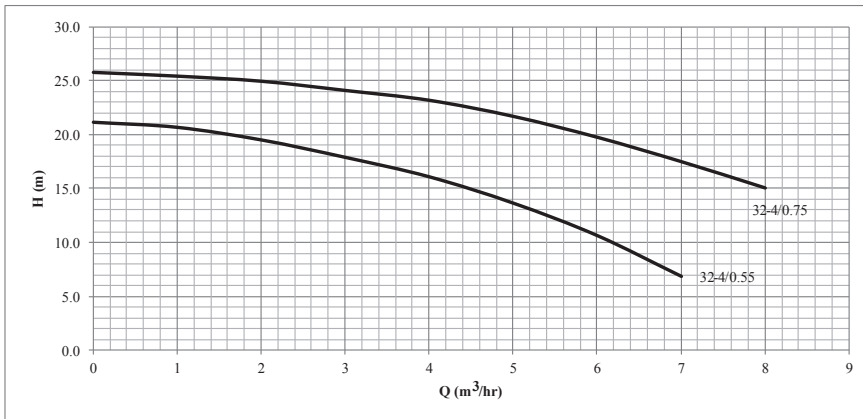
Model		Motor		Q (lit/min)	0	50	100	150	200
Single Phase	Three Phase	HP	kW	Q (m3/hr)	0	3	6	9	12
SDA 40-10/0.55 M	-	0.75	0.55	Head (m)	18.0	-	15.0	12.7	9.2
SDA 40-8/0.75 M	SDA 40-8/0.75 T	1.0	0.75		20.3	-	18.6	17.1	14.4

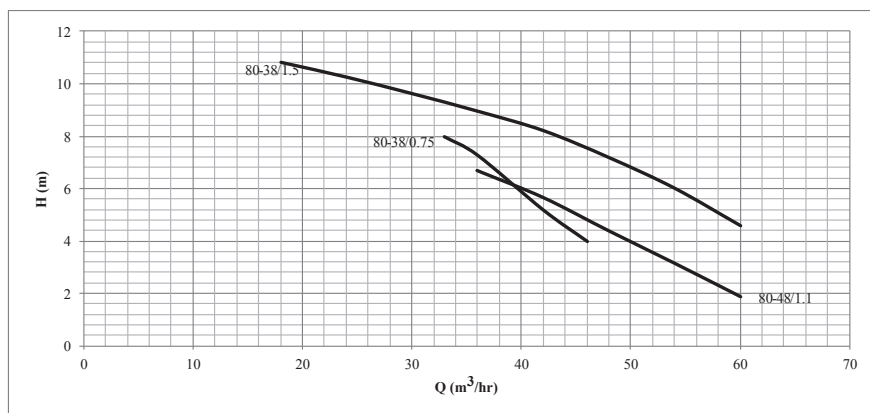
Model		Motor		Q (lit/min)	0	50	100	150	200	250	300	350	400	450
Single Phase	Three Phase	HP	kW	Q (m3/hr)	0	3	6	9	12	15	18	21	24	27
SDA 50-16/0.55 M	-	0.75	0.55	Head (m)	9.9	-	-	8.7	8.0	7.1	6.2	5.0	3.7	-
SDA 50-10/0.75 M	SDA 50-10/0.75 T	1.0	0.75		20.3	-	18.6	17.1	14.4	-	-	-	-	-
SDA 50-16/1.1 M	SDA 50-14/1.1 T	1.5	1.1		18.5	-	17.6	17.0	16.0	14.7	13.1	11.0	8.5	5.6

Model		Motor		Q (lit/min)	0	50	100	150	200	250	300	350	400	450	500	550	600
Single Phase	Three Phase	HP	kW	Q (m3/hr)	0	3	6	9	12	15	18	21	24	27	30	33	36
SDA 65-24/0.75 M	-	1.0	0.75	Head (m)	11.7	-	-	-	10.6	10.1	9.7	9.2	8.6	8.0	7.4	6.5	5.6
SDA 65-16/1.1 M	SDA 65-15/1.1 T	1.5	1.1		18.5	-	17.6	17.0	16.0	14.7	13.1	11.0	8.5	5.6	-	-	-
-	SDA 65-27/1.5 T	2.0	1.5		18.0	-	-	-	-	-	14.6	13.4	12.2	10.4	8.7	6.6	4.3

Model		Motor		Q (lit/min)	0	300	400	500	600	700	800	900	1000
Single Phase	Three Phase	HP	kW	Q (m3/hr)	0	18	24	30	36	42	48	54	60
SDA 80-48/1.1 M	SDA 80-48/1.1 T	1.5	1.1	Head (m)	9.9	-	-	-	6.7	5.7	4.4	3.1	1.9
SDA 80-38/0.75 M	SDA 80-38/0.75 T	1.0	0.75		11.6	-	-	-	7.3	5.2	-	-	-
-	SDA 80-38/1.5 T	2.0	1.5		12.2	10.8	10.2	9.6	8.9	8.2	7.2	6.0	4.6

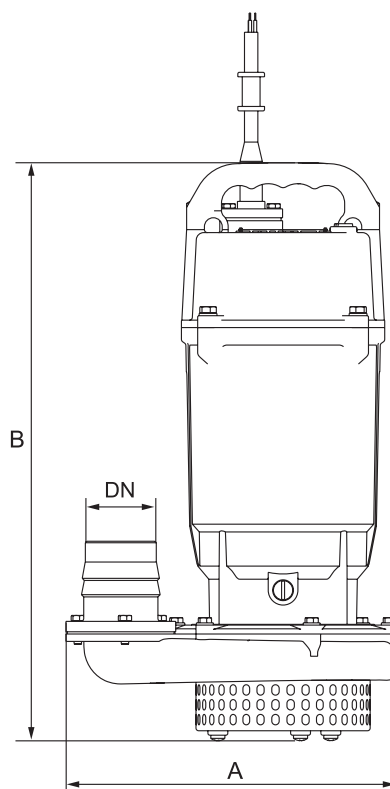






Dimensions & Weights

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
SDA 25-2.5/0.25 M	175	310	25	4.5
SDA 25-2.5/0.37 M	190	340	25	6.5
SDA 25-2.5/0.55 M	220	360	25	9
SDA 32-4/0.55 M	205	360	32	9
SDA 40-10/0.55 M	215	365	40	9
SDA 50-16/0.55 M	215	380	50	9
SDA 25-3.5/0.75 M	240	380	25	11
SDA 32-4/0.75 M	220	380	32	11
SDA 40-8/0.75 M	230	380	40	10.5
SDA 50-10/0.75 M	230	380	50	10.5
SDA 65-24/0.75 M	240	395	65	11
SDA 80-30/0.75 M	240	390	75	11
SDA 80-38/0.75 M	260	420	75	12.5
SDA 25-7/1.1 M	235	430	25	14
SDA 50-16/1.1 M	245	445	50	15.5
SDA 65-16/1.1 M	245	445	65	15.5
SDA 80-48/1.1 M	265	475	75	17
SDA 40-8/0.75 T	230	380	40	10
SDA 50-10/0.75 T	230	380	50	10
SDA 80-38/0.75 T	260	420	75	12
SDA 25-7/1.1 T	235	430	25	11
SDA 50-16/1.1 T	245	445	50	14
SDA 65-16/1.1 T	245	445	65	14
SDA 80-48/1.1 T	265	475	75	16
SDA 65-27/1.5 T	245	475	65	16
SDA 80-38/1.5 T	265	500	75	18





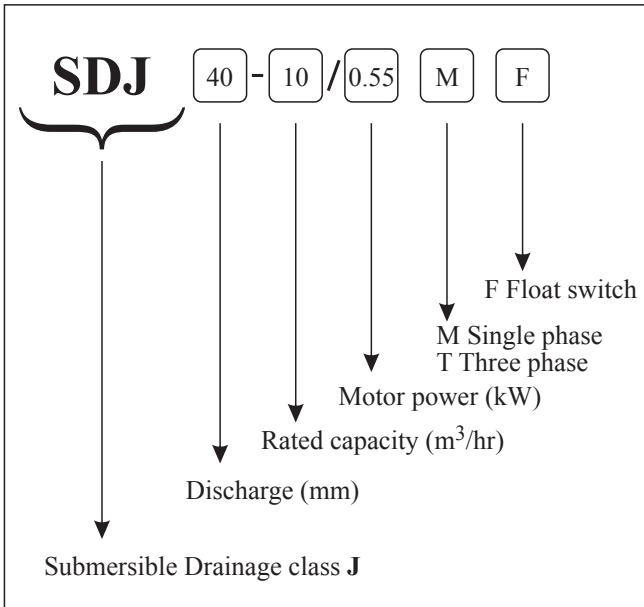
Details & Extra Information

Model	Power		Rate Current (A)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)
	kW	HP				
SDA 25-2.5/0.25 M	0.25	0.33	2.1	10	360×160×200	5
SDA 25-2.5/0.37 M	0.37	0.5	2.9	10	380×160×200	7
SDA 25-2.5/0.55 M	0.55	0.75	4.1	10	395×195×220	9.5
SDA 32-4/0.55 M	0.55	0.75		10	410×195×220	9.5
SDA 40-10/0.55 M	0.55	0.75		10	410×210×220	9.5
SDA 50-16/0.55 M	0.55	0.75		10	410×210×220	9.5
SDA 25-3.5/0.75 M	0.75	1		5.2	10	415×210×225
SDA 32-4/0.75 M	0.75	1	10		410×195×220	11.5
SDA 40-8/0.75 M	0.75	1	10		420×195×230	11
SDA 50-10/0.75 M	0.75	1	10		420×195×230	11
SDA 65-24/0.75 M	0.75	1	10		420×220×240	11.5
SDA 80-30/0.75 M	0.75	1	8		420×220×260	11.5
SDA 80-38/0.75 M	0.75	1	8		450×280×215	13.5
SDA 25-7/1.1 M	1.1	1.5	7.3	10	455×280×215	15
SDA 50-16/1.1 M	1.1	1.5		10	470×280×215	16.5
SDA 65-16/1.1 M	1.1	1.5		10	470×280×215	16.5
SDA 80-48/1.1 M	1.1	1.5		10	505×280×215	18
SDA 40-8/0.75 T	0.75	1	2	8	420×195×230	10.5
SDA 50-10/0.75 T	0.75	1		8	420×195×230	10.5
SDA 80-38/0.75 T	0.75	1		8	455×280×215	13
SDA 25-7/1.1 T	1.1	1.5	2.7	8	455×280×215	12
SDA 50-16/1.1 T	1.1	1.5		8	470×280×215	15
SDA 65-16/1.1 T	1.1	1.5		8	470×280×215	15
SDA 80-48/1.1 T	1.1	1.5		8	505×280×215	17
SDA 65-27/1.5 T	1.5	2	3.6	8	505×280×215	17
SDA 80-38/1.5 T	1.5	2		8	530×280×215	19



Submersible Drainage Electropumps in Cast Iron (SDJ)

Nomenclature

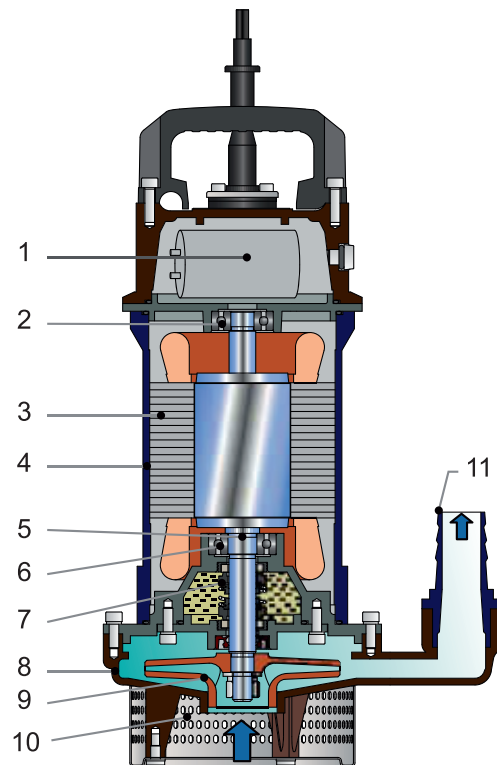


2850 rpm



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
10	Fitter Screen
11	Discharge



Submersible Pumps	S Series
Specification: SDJ (Drainage Pump)	50 Hz

SDJ				
PUMP	Liquid Handled	Type of Liquid	Clean Water & Dirty Water	
		Max. Temp. (°C)	40 ⁰	
		Max. Solids Size (mm)	0.2	
		Max. Sand content	0.1%	
		pH Level	6.5 - 8.5	
	Submergence	Max (m)	5	
		Min (m)	0.5	
	Construction	Impeller	Closed	
		Shaft seal type	Oil lubricated, single spring double mechanical seal	
	Connection	Suction	Strainer	
		Discharge (mm)	DN 25, 32, 40, 50, 65, 80	
	Material	Casing	Cast iron	
		Impeller	Technopolymer	
		Suction Cover	Galvanized Steel	
		Shaft	Stainless Steel	
		Motor frame	Cast iron	
		fasteners	Stainless Steel	
Mechanical Seal	Carbon/Ceramic/NBR	Impeller Side		
	Carbon/Ceramic/NBR	Motor Side		
Accessories	Standard	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)	0.25 - 1.5		
	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)	8 or 10 (Additional information is provided in SDJ model pages)	
Bearings	Permanently lubricated sealed ball bearing			

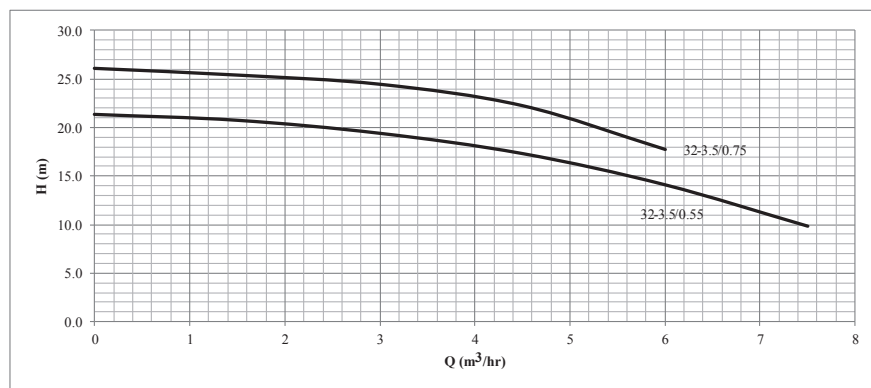
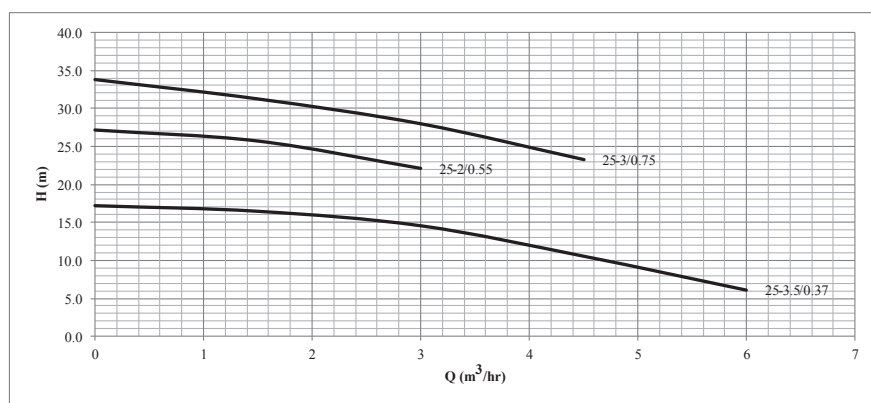


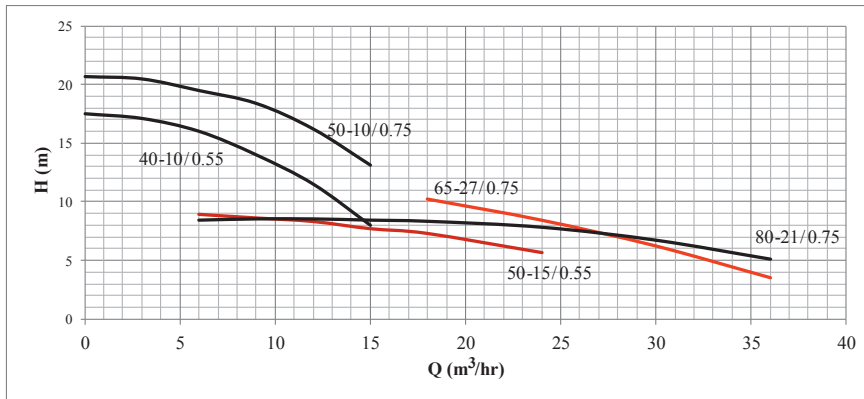
Performance Curves & Tables

Model		Motor		Q (lit/min)	0	25	50	75	100	125
Single Phase	Three Phase	HP	kW	Q (m ³ /hr)	0	1.5	3	4.5	6	7.5
SDJ 25-3.5/0.37 M	-	0.5	0.37	Head (m)	17.2	16.5	14.6	10.6	6.1	-
SDJ 25-2/0.55 M	-	0.75	0.55		27.2	25.7	22.1	-	-	-
SDJ 25-3/0.75 M	SDJ 25-1.5/0.75 T	1	0.75		33.8	31.3	28.0	23.2	-	-

Model		Motor		Q (lit/min)	0	25	50	75	100	125
Single Phase	Three Phase	HP	kW	Q (m ³ /hr)	0	1.5	3	4.5	6	7.5
SDJ 32-3.5/0.55 M	-	0.75	0.55	Head (m)	21.3	20.7	19.4	17.3	14.1	9.8
SDJ 32-3.5/0.75 M	-	1	0.75		26.1	25.4	24.5	22.3	17.7	-

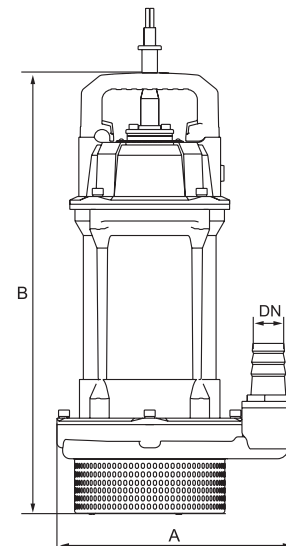
Model		Motor		Q (lit/min)	0	50	100	150	200	250	300	400	500	600
Single Phase	Three Phase	HP	kW	Q (m ³ /hr)	0	3	6	9	12	15	18	24	30	36
SDJ 40-10/0.55 M	-	0.75	0.55	Head (m)	17.5	17.1	16	14	11.5	8	-	-	-	-
SDJ 50-15/0.55 M	-	0.75	0.55		9.1	-	8.9	8.6	8.3	7.7	7.3	5.7	-	-
SDJ 50-10/0.75 M	-	1	0.75		20.7	20.5	19.5	18.4	16.2	13.1	-	-	-	-
SDJ 65-27/0.75 M	-	1	0.75		11.4	-	-	-	-	-	10.2	8.4	6.2	3.5
SDJ 80-21/0.75 M	SDJ 80-21/0.75 T	1	0.75		8.2	-	8.4	8.5	8.5	8.4	8.3	7.8	6.7	5.1





Dimensions & Weights

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
SDJ 25-3.5/0.37 M	195	340	25	10.5
SDJ 25-2/0.55 M	220	375	25	14
SDJ 32-3.5/0.55 M	210	375	32	14
SDJ 40-10/0.55 M	230	380	40	15
SDJ 50-15/0.55 M	235	390	50	15.5
SDJ 25-3/0.75 M	240	390	25	16
SDJ 32-3.5/0.75 M	220	390	32	16
SDJ 40-8/0.75 M	230	395	40	16
SDJ50-10/0.75 M	230	395	50	16
SDJ 65-27/0.75 M	250	410	65	17
SDJ 80-21/0.75 M	270	420	75	18
SDJ 25-3/0.75 T	240	380	25	16
SDJ 40-8/0.75 T	230	380	40	16
SDJ 80-21/0.75 T	265	405	75	18



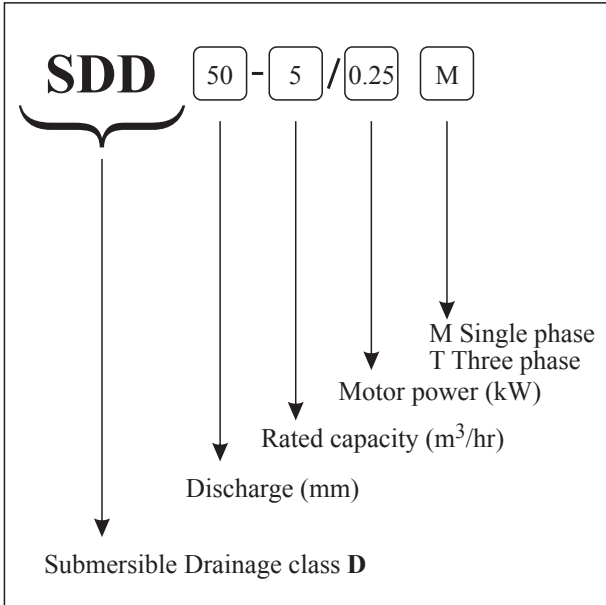
Details & Extra Information

Model	Power		Rate Current (A)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)			
	kW	HP							
SDJ 25-3.5/0.37 M	0.37	0.5	2.9	10	370×220×195	11.5			
SDJ 25-2/0.55 M	0.55	0.75	4.1	10	450×280×225	15			
SDJ 32-3.5/0.55 M				10	450×280×225	15			
SDJ 40-10/0.55 M				10	450×280×210	16			
SDJ 50-15/0.55 M				10	450×280×210	16.5			
SDJ 25-3/0.75 M				0.75	1	5.2	10	450×280×225	17
SDJ 32-3.5/0.75 M	10	450×280×225	17						
SDJ 40-8/0.75 M	10	450×280×210	17						
SDJ50-10/0.75 M	10	450×280×210	17						
SDJ 65-27/0.75 M	10	450×280×210	18						
SDJ 80-21/0.75 M	10	450×280×210	19						
SDJ 25-3/0.75 T	2						10	450×280×225	17
SDJ 40-8/0.75 T							10	450×280×210	17
SDJ 80-21/0.75 T							10	450×280×210	19



Submersible Drainage Electropumps in Cast Iron (SDD)

Nomenclature

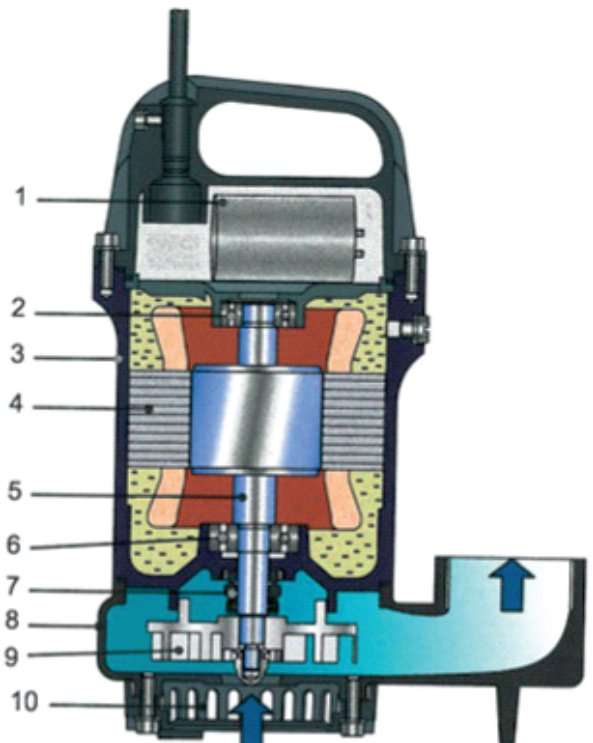


2850 rpm



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
10	Fitter Screen



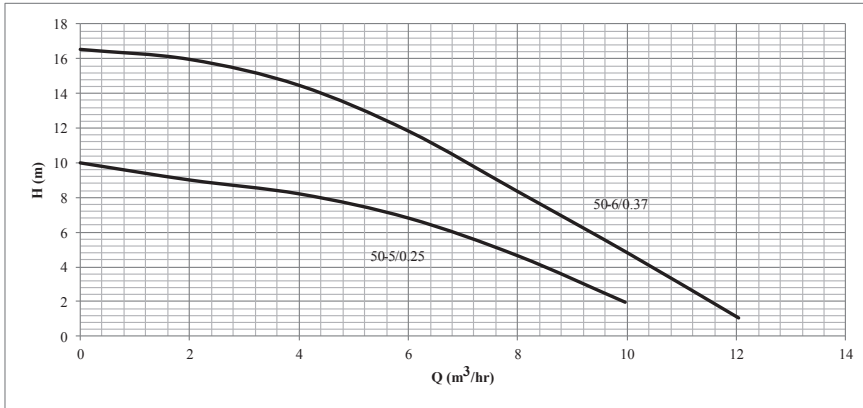
Submersible Pumps	S Series
Specification: SDD (Drainage Pump)	50 Hz

SDD				
PUMP	Liquid Handled	Type of Liquid	Clean Water & Dirty Water	
		Max. Temp. (°C)	40 ⁰	
		Max. Solids Size (mm)	7	
		Max. density (kg/m ³)	1200	
		pH Level	6.5 - 8.5	
	Submergence	Max (m)	5	
		Min (m)	0.5	
	Construction	Impeller	Semi-open Vortex	
		Shaft seal type	Oil lubricated, single spring double mechanical seal	
	Connection	Suction	Strainer	
		Discharge (mm)	DN 50	
	Material	Casing	Cast iron	
		Impeller	Cast iron	
		Suction Cover	Technopolymer	
		Shaft	Stainless Steel	
		Motor frame	Cast iron	
		fasteners	Stainless Steel	
Mechanical Seal		Steel/Silicon Carbide/NBR Impeller Side Steel/Silicon Carbide/NBR Motor Side		
Accessories	Standard	Float switch for Single phase		
Certificates	CE			
Motor	Type	Oiled filled submersible		
	No. of poles	2		
	Rotation Speed (r/min)	2850		
	Insulation Class	F		
	Protection Degree	IP 68		
	Power Rating (kW)	0.25 - 0.37		
	Frequency (Hz)	50 ± 5%		
	Voltage (V)	220±10%		
	Starting	DOL		
	Over Load Protection	Built in		
	Cable	material	H07RN-F	
		length (m)	5	
	Bearings	Permanently lubricated sealed ball bearing		



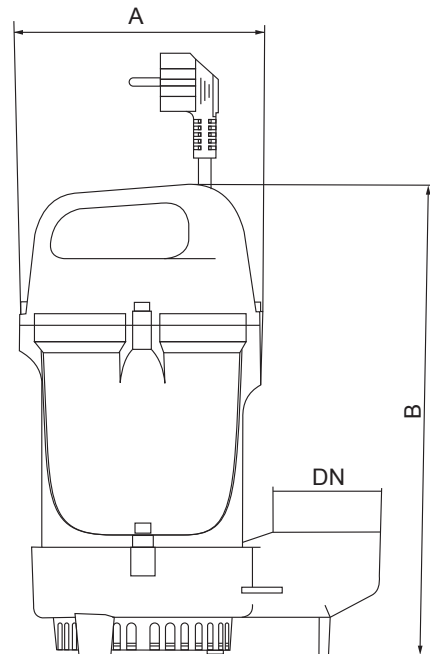
Performance Curves & Tables

Model	Motor		Q (lit/min)	0	33	66	100	133	166	200
	HP	kW	Q (m ³ /hr)	0	2	4	6	8	10	12
SDD 50-5/0.25 M	0.33	0.25	H (m)	10.0	9.0	8.2	6.8	4.6	2.0	-
SDD 50-6/0.37 M	0.5	0.37		16.5	16.0	14.5	11.8	8.3	4.8	1.0



Dimensions & Weights

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
SDD 50-5/0.25 M	235	310	50	11
SDD 50-6/0.37 M	235	310	50	12



Details & Extra Information

Model	Power		Rate Current (A)	Solid Passage (mm)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)
	kW	HP					
SDD M 50-5/0.25	0.25	0.33	3	7	5	275×175×355	12
SDD M 50-6/0.37	0.37	0.5	4.4	7	5	275×175×355	13