

LSWm

-Submersible Sewage Pump



—
2024/4/15



CONTENT

1. Application
2. Feature
3. Technical data



INTELLEGENT FLOW FOR GOOD

PART 1

Application

1. Problem

➤ Are these problems bothering you?



Domestic sewage

City sewage

Manure wastewater

River wastewater

2. Application



Solve All Your Problems By One Pump



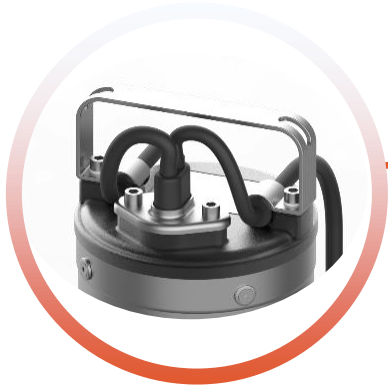


INTELLEGENT FLOW FOR GOOD

PART 2

Future

1. Pump body \ Motor—LSWm-A/XA/CA



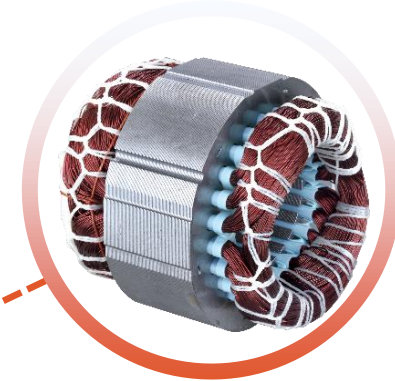
AISI304 Handle

- Ergonomic handle, feel comfortable



AISI304 Shell

- Compact and beautiful, well-designed, rust-proof and durable



Copper winding motor

- High efficiency , strong power
- Cold rolled steel sheet, low temperature rise, long service life
- Standard thermal protector for single-phase motors
- Insulation class : F

1. Pump body \ Motor—LSWm-SA



AISI304 Handle

- Ergonomic handle, feel comfortable



All stainless steel material

- The main parts are all stainless steel
- Corrosion resistant and durable



Stainless steel pump body

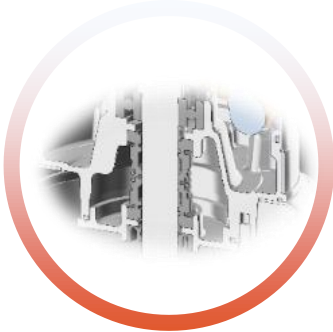
- More durable pump body
- More stable base structure design

1. Pump body \ Motor —LSWm-SA



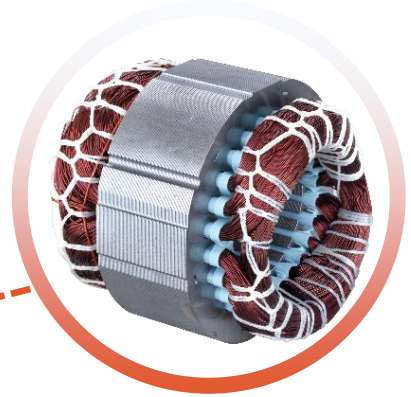
Stainless Steel Welded Shaft

- Stable operation and durable
- Moisture-proof and rust-proof



Double-sided mechanical seal

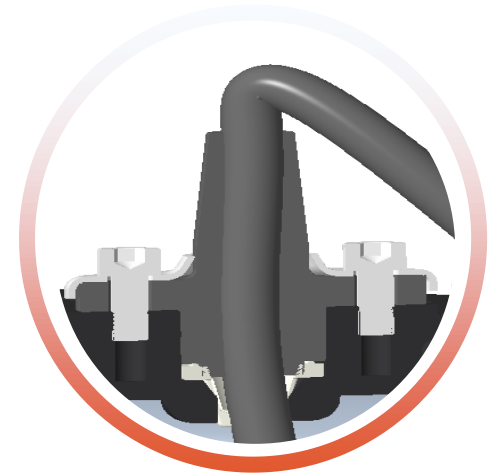
- Double-sided mechanical seal, safe and reliable
- Effectively protect the motor



Copper winding motor

- High efficiency , strong power
- Cold rolled steel sheet, low temperature rise, long service life
- Standard thermal protector for single-phase motors
- Insulation class : F
- Protection class : IPX8

2. Cable assembly



Fixed cable with unique design

- Better fixing effect, effectively prevent the cable from being pulled out
- Good waterproof

3. Connection structure



Unique connection structure

- The new connection design, secured by rivets and screws, more reliable

Anti-rust process

- Special anti-rust treatment on casting surface
- Wear and corrosion resistance

Exhaust valve design

- To prevent the pump from not venting water or less water due to the undischarged air in the pump

Stainless steel impeller

- Excellent passing performance
- Corrosion resistant and durable



4. Cutting blade

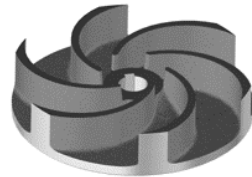
LSWm-A



Two-channel impeller

- Efficient impeller design
- High pass ability

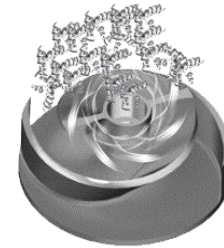
LSWm-XA



Semi-open vortex impeller

- Non-clogging
- Running smoothly

LSWm-CA



High efficiency spiral cutting impeller

- Powerful cutting



Fixed cutting blade

- High hardness, High wear resistance
- Prevent blockage and winding

- **Two-channel impeller** enables higher operational efficiency for pumps, while **semi-open impeller** offers better flow passage.



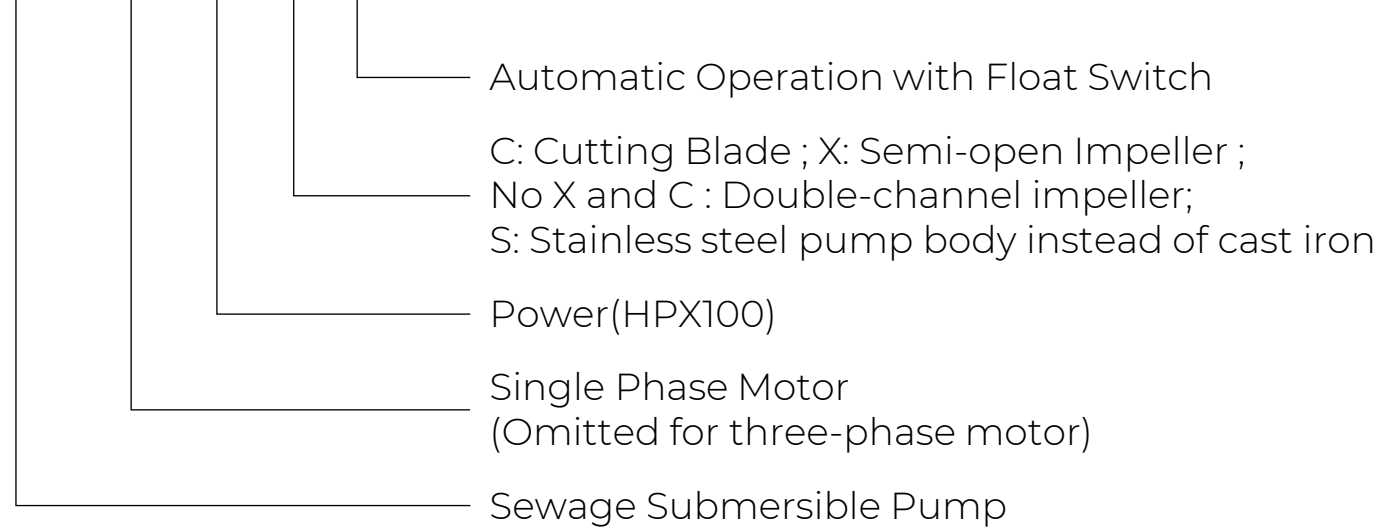
PART 3

Technical Data

1. Identification Codes



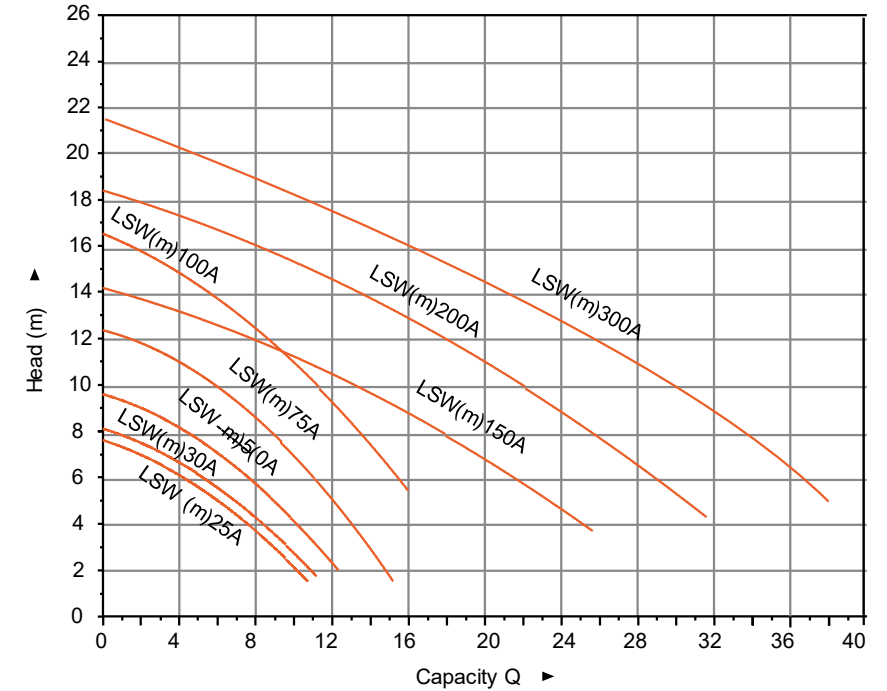
LSW m 75 C A



2. Technical Data—LSWm-A



Model	Power		Voltage/ Frequency	Outlet	Q.Max m ³ /h	H.Max m	Max.dia. of particulate
	Kw	HP					
LSWm25A	0.18	0.25	180-220/50	G1.5	11	8	15
LSWm30A	0.25	0.37	180-220/50	G1.5	12	9	15
LSWm50A	0.37	0.5	180-220/50	G1.5	13	11	20
LSWm75A	0.55	0.75	180-220/50	G2	16	13.5	25
LSWm100A	0.75	1.0	180-220/50	G2	19	17	25
LSWm150A	1.1	1.5	180-220/50	G2	26	13.5	30
LSWm200A	1.5	2.0	180-220/50	G2	32	19	30
LSWm300A	2.2	3.0	180-220/50	G2	34.5	23	30

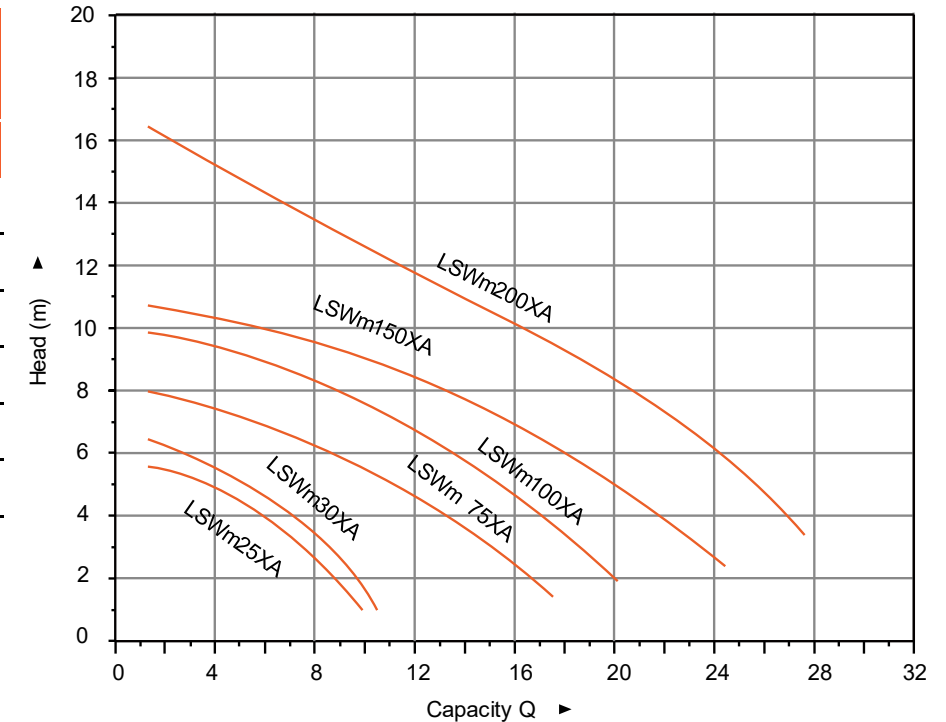


► LSW m -A Series

- Insulation class : F
- Protection class : IPX8

2. Technical Data — LSWm-XA

Model	Power		Voltage/ Frequency	Outlet	Q.Max	H.Max	Max.dia. of praticle
	Kw	HP					
LSWm25XA	0.18	0.25	220/50	40	8	7	15
LSWm30XA	0.25	0.37	220/50	40	10	7.5	15
LSWm75XA	0.55	0.75	220/50	50	17	8.5	25
LSWm100XA	0.75	1.0	220/50	50	20	11	25
LSWm150XA	1.1	1.5	220/50	50	23	11.5	30
LSWm200XA	1.5	2.0	220/50	50	26.5	17	15



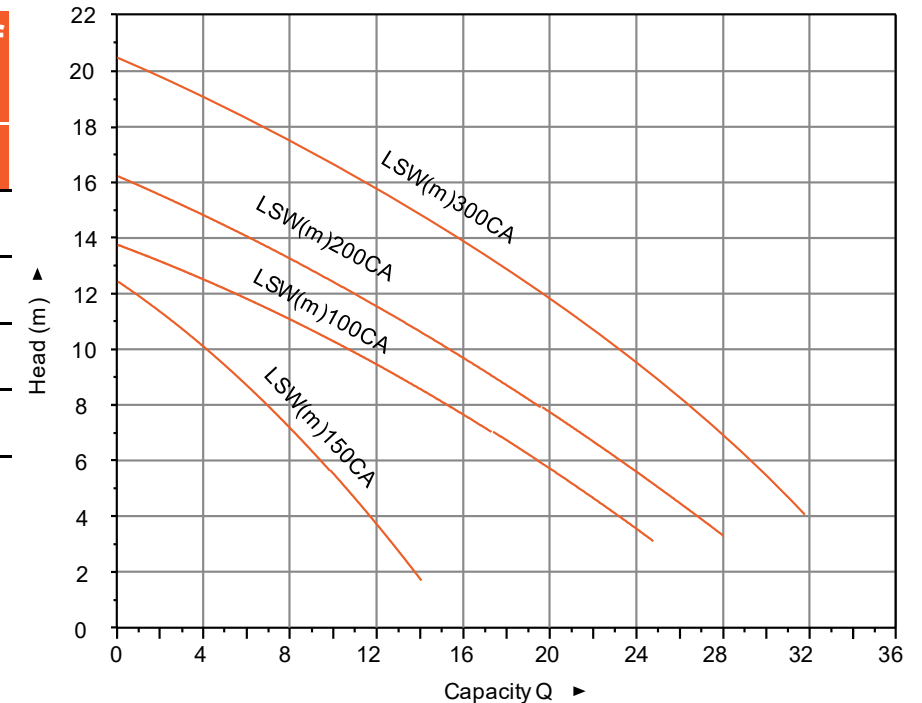
► LSW m -XA Se ries

- Insulation class : F
- Protection class : IPX8

2. Technical Data — LSWm-CA



Model	Power		Voltage/ Frequency	Outlet	Q.Max	H.Max	Max.dia. of particulate
	Kw	HP					
LSWm100CA	0.75	1.0	180-220/50	G2	15	13	/
LSWm150CA	1.1	1.5	180-220/50	G2	25	14	/
LSWm200CA	1.5	2.0	180-220/50	G2	30	17	/
LSWm300CA	2.2	3.0	180-220/50	G2	32	21.5	/

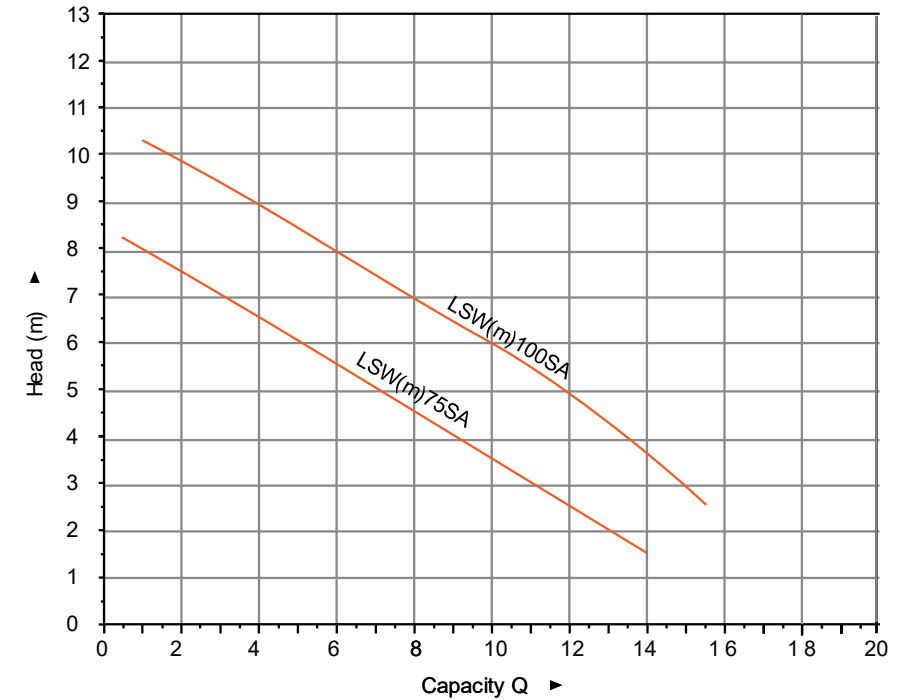


► LSW m -CA Series

- Insulation class : F
- Protection class : IPX8

2. Technical Data — LSWm-SA

Model	Power		Voltage/ Frequency	Outlet	Q.Max	H.Max	Max.dia. of praticle
	Kw	HP					
LSWm75SA	0.55	0.75	180-220/50	G1.5	14	8	20
LSWm100SA	0.75	1	180-220/50	G1.5	15.5	11.5	20



► LSW m -SA Series

- Insulation class : F
- Protection class : IPX8

3. Performance Comparison



Former Range

VS



LSW-A/XA Range

Power(kW)		Model			Max.Flow(m ³ /h)			Max.Head(m)			Outlet			Max.dia. of praticle(mm)		
Former	A/XA	Former	A	XA	Former	A	XA	Former	A	XA	Former	A	XA	Former	A	XA
0.18		XSP8-7/0.18I	LSWm25A	LSWm25XA	8	11	8	7	8	7	G1.25	G1.5	G1.2	15	15	15
0.25		XSP9-7.5/0.25I	LSWm30A	LSWm30XA	9	12	10	7.5	9	7.5	G1.25	G1.5	G1.2	15	15	15
0.45	0.4	XSP12-8.5/0.45I	LSWm50A	/	12	13	/	8.5	11	/	G2	G1.5	/	25	20	/
	0.6		LSWm75A	LSWm75XA		16	17		13.5	8.5		G2	G2		G2	25
0.75		XSP18-12/0.75I	LSWm100A	LSWm100XA	18	19	20	12	17	11	G2	G2	G2	25	25	25
1.1		XSP20-9/1.1I	LSWm150A	LSWm150XA	20	26	23	9	13.5	12	G2	G2	G2	35	30	35
1.5		XSP16.2-22/1.5I	LSWm200A	LSWm200XA	16.2	32	26.5	22	19	17	G1.5	G2	G2	10	30	15

- The LSWm-A series outperforms the XSP series by approximately 30%, while the LSWm-XA series surpasses the XSP series by around 15%.
- The performance of the LSWm-A series slightly surpasses that of the LSWm-XA series, while the semi-open impeller design of LSWm-XA series ensures smoother operation of the water pump.

3. Performance Comparison



Former Range

VS



LSW-CA Range

Power(kW)		Model		Max.Flow(m ³ /h)		Max.Head(m)		Outlet		Max.dia. of praticle(mm)	
Former	New	Former	New	Former	New	Former	New	Former	New	Former	New
1.1	0.75	XSP14-7/1.1ID	LSWm100CA	14	15	7	13	G2	G2	/	/
1.3	1.1	XSP18-12/1.3ID	LSWm150CA	18	25	12	14	G2	G2	/	/
1.8	1.5	XSP26.4-10/1.8D	LSWm200CA	26.4	30	10	17	G2.5	G2	/	/

- The LSWm Range consumes lower power to reach the similar performance.

3. Performance Comparison



Former Range

VS



New Range

Power(kW)		Model		Max.Flow(m ³ /h)		Max.Head(m)		Outlet		Max.dia. of praticle(mm)	
Former	New	Former	New	Former	New	Former	New	Former	New	Former	New
0.45	0.55	XSP12-8.5/0.45I	LSWm75SA	12	14	8.5	8.5	G2	G2	25	30
0.75		XSP18-12/0.75I	LSWm100SA	18	20	12	10.5	G2	G2	25	30

- The LSW-S products performed better at the same power.

4. Materials Table



Materials Table	
Part	Material
Handle	AISI 304
Top cover	HT200
Upper cover	Aluminum
Shell	AISI 304
Oil cylinder cover	HT200
Pump body	HT200
Impeller	HT200 (for Basic Model & LSWm100CA) AISI 304 (for Other Cutting Models)
Shaft	AISI 304
Mechanical seal	SiC+Graphite/ Ceramic+Graphite
Oil cylinder cover	HT200
Connector	ABS
Cutting blade	AISI 304

4. Materials Table



Materials Table	
Part	Material
Handle	AISI 304
Top cover	AISI 304
Upper cover	Aluminum
Shell	AISI 304
Oil cylinder	AISI 304
Pump body	Stainless steel
Impeller	Stainless steel
Shaft	AISI 304
Mechanical seal	SiC+Graphite/ Ceramic+Graphite
Oil cylinder cover	AISI 304



THANK YOU