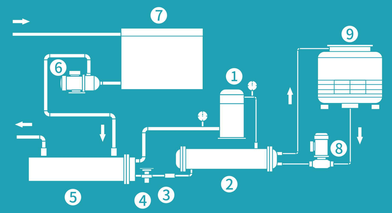
LSQ Series Water Chiller with Housing





1. Compressor
2. Condenser
3. Dry Filter
4. Expansion Valve
5. Evaporator
6. Chilled Water Pump
7. Water Vessel
8. Cooling Pump
9. Cooling Tower







Nomenclature:

LSQ-03ASLZ

- LS : **Series Code**
- Q : **Compressor Type** Q: Hermetic
- 03 : **Compressor Power (HP)**
- A : **Air-Cooled**
- S : **Single System**
- L : **Temperature** L: low
- Z : **Refrigerant** Z: R404A / R448A / R449A

Product Description:

- ★ Hermetic scroll or piston compressor;
- ★ Built-in stainless steel tank with high efficient pump;
- ★ Pulley installed on bottom of unit for user convenience;
- ★ Controlled by microcomputer;
- ★ World famous brand refrigeration parts;
- ★ Comprehensive safety protection;
- ★ Use for widely application;

Medium and Low Temperature (Air-Cooled)

Model		LSQ-03ASLZ	LSQ-05ASLZ	LSQ-08ASLZ	LSQ-10ASLZ	LSQ-12ASLZ	LSQ-15ASLZ	LSQ-20ADLZ	LSQ-25ADLZ	LSQ-30ADLZ
Temperature (°C)						-15°C				
Capacity	kw	3.6	5.2	6.9	11.2	13.2	15.5	22.4	26.4	31.0
	10^3kcal/h	3.1	4.5	5.9	9.6	11.4	13.3	19.3	22.7	26.7
Power (kw)		3.9	5.5	8.7	10.4	11.9	16.2	21.2	23.3	31.3
Electric Current (A)		6.7	12.0	16.5	16.6	22.7	29.8	33.5	44.9	60.4
Compressor	QTZ	1	1	1	1	1	1	2	2	2
	Power (kw)	3.32	4.67	7.45	9.15	10.20	13.80	18.30	20.40	27.60
	Current (A)	5.40	10.20	13.56	13.70	19.40	24.80	27.40	38.80	49.60
Refrigerant	TZpe	R404A / R448A / R449A								
	Control Mode	Thermal Expansion Valve								
Fan	Power (kw)	0.23	0.25	0.50	0.50	0.90	0.90	1.40	1.40	2.7
	Currect (A)	0.52	0.70	1.40	1.40	1.80	1.80	2.90	2.90	4.60
Pump	TZpe	Centrifugal Pump								
	Power (kw)	0.37	0.55	0.75	0.75	0.75	1.50	1.50	1.50	1.50
	Currect (A)	0.75	1.10	1.50	1.50	1.50	3.20	3.20	3.20	3.20
	Pressure Head (m_{H2O})	15	20	22	20	17	25	24	18	18
Condenser		Copper Tube & Aluminum Fin Tube Heat Exchanger								
Evaporator	Liquid Pipe (mm)	DN25	DN25	DN40	DN40	DN40	DN50	DN50	DN65	DN65
	Water Flow (L/min)	14.9	21.8	29.0	47.0	55.4	65.1	94.0	110.8	130.2
Water Tank	Volume (L)	75	75	125	125	145	230	240	325	365
	Fill,Discharge,Overfl	DN20								
Overall Size	L (mm)	1060	1060	1520	1620	1720	1810	2020	2270	2300
	W (mm)	770	770	850	850	900	975	1010	1150	1450
	H (mm)	1340	1450	1550	1600	1600	1730	1950	1990	1750
Weight (kg)		220	236	320	372	435	610	750	850	950