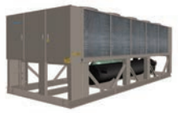
Normal condition (T1)

Specifications

LSBLGW380/C

LSBLGW500/C

LSBLGW600/C
LSBLGW720/C



LSBLGWXXX/C		380	500	600	720
Cooling capacity	kW	373.4	492.6	590.6	716.1
Power input	kW	123.7	158.6	186.7	233.5
COP	kW/kW	3.01	3.10	3.16	3.06
IPLV	kW/kW	4.086	4.195	4.292	4.167
Semi-hermetic screw compressor					
Circuit A	Quantity	1	1	1	1
Circuit B	Quantity	--	--	--	--
Oil recharge	Type	BSE170	BSE170	BSE170	BSE170
Circuit A	L	30	30	30	30
Circuit B	L	--	--	--	--
Refrigerant	Type	R134a	R134a	R134a	R134a
Circuit A	kg	76	90	105	140
Circuit B	kg	--	--	--	--
Control Type		EXV	EXV	EXV	EXV
Evaporator	Type	Shell and tube heat exchanger(DX)			
Water content	L	222	308	340	520
Water flow	m^3/h	58.80	77.30	92.90	111.4
Pressure drop	kPa	32.1	44.2	46.7	47.8
Max. working pressure (water side)	MPa	1	1	1	1
Pipe connection type		Victaulic coupling			
Water inlet/outlet pipe dim		DN125	DN125	DN125	DN150
Condenser	Type	Fin-coil	Fin-coil	Fin-coil	Fin-coil
Fan	Quantity	6	8	10	10
Total air flow	m^3/h	23000x6	23000x8	23000x10	23000x10
Fan speed	rpm	940	940	940	940
Dimension (LxWxH)	mm	3810x2280x2400	4865x2280x2400	5800x2280x2400	5800x2280x2400
Shipping weight	kg	3920	4420	5160	5750
Running weight	kg	4140	4730	5500	6270

Note:
1) Performance and efficiency are based on AHRI 550/590-2015: water inlet temp. 12.22°C, water outlet temp. 6.67°C, ambient temp. 35°C(DB), evaporator fouling factor=0.0176 m2.°C/kW.
2) The applicable ambient temperature range is 15°C ~ 43°C.
3) As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.

LSBLGW900/C

LSBLGW1000/C
LSBLGW1200/C

LSBLGW1420/C

LSBLGWXXX/C		900	1000	1200	1420
Cooling capacity	kW	890.9	989.5	1196	1411
Power input	kW	284.4	317.3	380.1	464.9
COP	kW/kW	3.13	3.11	3.14	3.03
IPLV	kW/kW	4.268	4.253	4.289	4.153
Semi-hermetic screw compressor					
Circuit A	Quantity	1	1	1	1
Circuit B	Quantity	1	1	1	1
Oil recharge	Type	BSE170	BSE170	BSE170	BSE170
Circuit A	L	30	30	30	32
Circuit B	L	30	30	30	32
Refrigerant	Type	R134a	R134a	R134a	R134a
Circuit A	kg	76	90	105	140
Circuit B	kg	90	90	105	140
Control Type		EXV	EXV	EXV	EXV
Evaporator	Type	Shell and tube heat exchanger(DX)			
Water content	L	620	600	770	910
Water flow	m^3/h	138.5	154.7	185.9	219.8
Pressure drop	kPa	60.1	60.8	58.2	56.4
Max. working pressure (water side)	MPa	1	1	1	1
Pipe connection type		Victaulic coupling			
Water inlet/outlet pipe dim.		DN150	DN150	DN200	DN200
Condenser	Type	Fin-coil	Fin-coil	Fin-coil	Fin-coil
Fan	Quantity	14	16	16	20
Total air flow	m^3/h	23000x14	23000x16	23000x16	23000x20
Fan speed	rpm	940	940	940	940
Unit size (LxWxH)	mm	8800x2280x2400	9640x2280x2400	9640x2280x2400	11700x2280x2400
Shipping weight	kg	8050	8410	9210	10730
Running weight	kg	8670	9010	9980	11640

Note:
1) Performance and efficiency are based on AHRI 550/590-2015: water inlet temp. 12.22°C, water outlet temp. 6.67°C, ambient temp. 35°C(DB), evaporator fouling factor=0.0176 m2.°C/kW.
2) The applicable ambient temperature range is 15°C ~ 43°C.
3) As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.

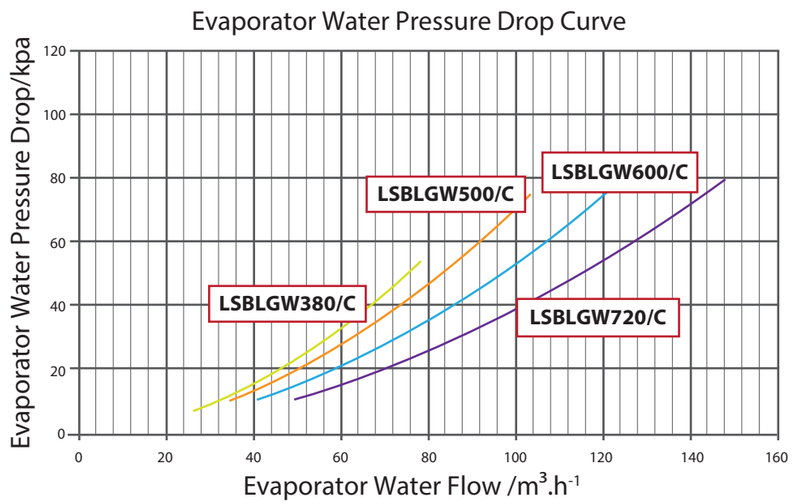
Electrical data

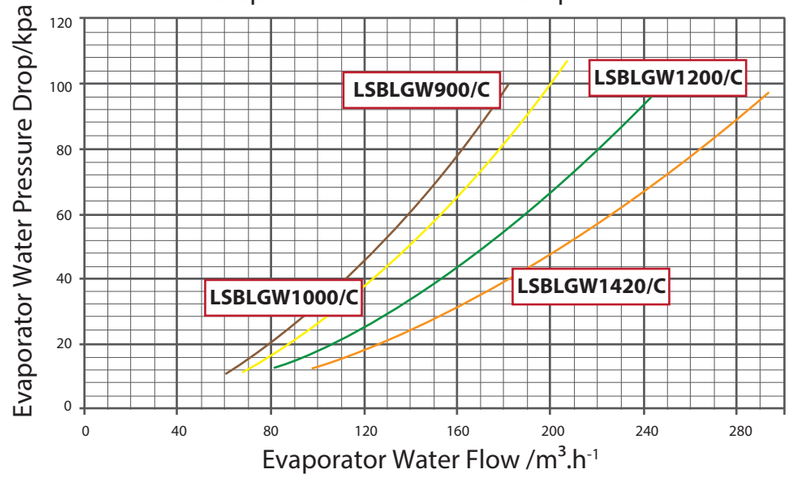
LSBLGWXXX/C		380	500	600	720
Standard voltage		380V 3Ph 50Hz			
Voltage range	V	342~418			
Max. running current	A	299.8	384.4	430.1	546.7
Max. power consumption	kW	123.7	158.6	186.7	233.5
Rated current	A	220.5	281.7	331.9	414.5
Compressor A					
Locked rotor Amps.	A	615.0	845.0	845.0	965.0
Max. allowed current	A	389.0	473.0	473.0	574.0
Rated current	A	191.1	242.5	282.9	365.5
Rated power	kW	109.3	139.4	162.7	209.5
Compressor B					
Locked rotor Amps.	A	--	--	--	--
Max. allowed current	A	--	--	--	--
Rated current	A	--	--	--	--
Rated power	kW	--	--	--	--
Fan					
Full load Amps. (each)	A	4.9	4.9	4.9	4.9
Power comply(each)	kW	2.4	2.4	2.4	2.4
Total input	kW	14.4	19.2	24.0	24.0
Crankcase heater					
Voltage	V	220	220	220	220
Total input	kW	0.3	0.3	0.3	0.3
Total Amps.	A	1.36	1.36	1.36	1.36

LSBLGWXXX/C		900	1000	1200	1420
Standard voltage		380V 3Ph 50Hz			
Voltage range	V	342~418			
Max. running current	A	684.3	768.6	840.4	1094
Max. power consumption	kW	284.4	317.2	380.1	464.9
Rated current	A	504.4	563.4	676.7	825.6
Compressor A					
Locked rotor Amps.	A	615.0	845.0	845.0	965.0
Max. allowed current	A	389.0	473.0	473.0	574.0
Rated current	A	193.7	242.5	299.2	363.8
Rated power	kW	111.5	139.4	170.9	208.4
Compressor B					
Locked rotor Amps.	A	845.0	845.0	845.0	965.0
Max. allowed current	A	473.0	473.0	473.0	574.0
Rated current	A	242.1	242.5	299.2	363.8
Rated power	kW	139.3	139.4	170.9	208.4
Fan					
Full load Amps. (each)	A	4.9	4.9	4.9	4.9
Power comply(each)	kW	2.4	2.4	2.4	2.4
Total input	kW	33.6	38.4	38.4	48.0
Crankcase heater					
Voltage	V	220	220	220	220
Total input	kW	0.6	0.6	0.6	0.6
Total Amps.	A	2.72	2.72	2.72	2.72

NOTE:
1. The customer can specify the exact nominal power supply to be available on site so that the correct electrical components can be selected.
2. Main power must be supplied from a single-field supplied and mounted fused circuit breaker.
3. The compressor crankcase heaters must be energized for several hours before starting the unit.
4. All field wiring must comply with local standards.
5. Neutral line requires 380V-3Ph-50Hz (5 wires) power supply.
6. Rated load Amps values are for nominal conditions.
7. A ±10% voltage variation from the nominal value is allowed for a short time only.

Water pressure drop





Unit Model	Min. Flow Rate		Max. Flow Rate	
	m^3/h	GPM	m^3/h	GPM
LSBLGW380/C	53	233	79	348
LSBLGW500/C	69	304	104	458
LSBLGW600/C	83	365	124	546
LSBLGW720/C	99	436	149	656
LSBLGW900/C	124	546	186	819
LSBLGW1000/C	138	608	207	912
LSBLGW1200/C	165	727	248	1092
LSBLGW1420/C	196	863	293	1290