

Water Source Heat Pump

Water-Cooled Screw Chiller



Product type		LSA(R)12Z		LSA(R)14Z		LSA(R)17Z		LSA(R)23Z		LSA(R)28Z	
Rated cooling capacity		kW/Btu/h	12.0 42000	14 48000	17 58000	23 78500	28 96000				
Rated heating capacity		kW/Btu/h	12.5 42700	14.8 50500	19 65000	23.5 80000	28.5 97000				
Compressor	Cooling input power	kW	2.9	3.26	4.88	5.14	5.8				
	Heating input power	kW	3.0	3.24	4.64	5.08	5.47				
	Power supply	V/PH/Hz	230/1/50/60	230/1/50/60	230/1/50/60	400/3/50/60	400/3/50/60				
	Type		Rotary or Scroll								
	Amount		2	2	2	2	2				
Refrigerant	Type		R22/R410a								
	Quantity	kg	2.0	2.3	2.6	3.4	4.4				
	Control method		Thermal expansion valve								
Condensation side											
Condenser	Type		Co-axial heat exchanger								
	Circuit Amount		2	2	2	2	2				
	Water flow	m³/h	2.9	3.3	3.5	5.2	6.2				
	Pressure drop	Kpa	20	30	38	45	46				
Evaporation side											
Centrifugal fan	Power supply	V/PH/Hz	230/1/50	230/150	230/1/50	230/1/50	230/1/50				
	Amount		1	1	1	1	1				
	Air flow	m³/h	2300	2700	2800	3700	4700				
	Motor power	kW	0.55	0.62	0.75	1.30	1.9				
	Drive type		Direct								
External static pressure		Pa	120	150	150	250	250				
Noise		dB(A)	47	50	52	60	62				
Dimension (L×W×H)		mm	1450×865×500	1720×950×500	1720×950×500	2210×1050×500	2020×1050×650				
Weight		kg	115	160	190	225	250				

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : indoor temperature DB 27°C / WB 19°C ,water inlet/outlet temperature DB 30°C / WB 35°C;
- Heating capacity is measured under the condition : indoor temperature DB 20°C / WB 15°C ,water inlet/outlet temperature DB 20°C / --.



Features

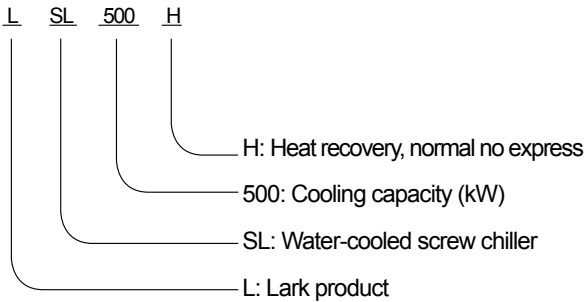
- 18 sizes available ranging from 150kW to 1800kW cooling capacity.
- Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.
- Hermetic scroll compressor and semi-hermetic screw compressor, each compressor is equipped with a crankcase heater and a thermal overload cut-out; the screw compressor is also complete with a built-in electronic protection with temperature sensor located directly in the motor winding and on the discharge line.
- The refrigerant circuit is complete with sight glass, filter drier, high and low pressure gauges, solenoid valve, direct expansion valve, high and low pressure switch.
- Shell and tube dry expansion type condenser, factory insulated with flexible close cell material.
- Shell and tube dry expansion type evaporator, factory insulated with flexible close cell material.
- The electric panel consists of compressor breaker, compressor contactor, phase sequence relay, control circuit breaker, microprocessor control with function display.
- LCD display, touch screen control panel as standard.
- Automatic operation dramatically reducing maintenance cost thanks to reliable microprocessor system.

- For the units with semi-hermetic screw compressor, an infinitely variable capacity control system that is capable of exactly matching the requirement of the system. This system is to provide precise and stable control of supply water temperature over the complete range of operating conditions.

Optional

- Electronic expansion valve.
- Electronic controller with BMS system.

Instruction of model



Water-Cooled Screw Chiller



50Hz 60Hz R134a R22

Product type			LSL150		LSL180		LSL200		LSL240		LSL300		LSL380	
Rated cooling capacity		kW/ Btu/h	150	511950	180	614340	200	682600	240	819120	300	1023900	380	1296940
Compressor	Cooling input power	kW	28.8		34.2		39.4		48.1		58.8		75.3	
	Type		Scroll				Semi-hermetic screw compressor							
	Amount		2		2		1		1		1		1	
Power supply		V/PH/ Hz	380/3/50 or 60											
Refrigerant	Type		R22/R134a											
	Quantity	kg	30		36		38		46		56		73	
	Control method		Electronic expansion valve											
Condenser	Water flow	m³/h	26		31		41.2		49.6		61.7		78.3	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	43		43		44		44		45		45	
Evaporator	Water content	DN	80		80		80		80		100		100	
	Water flow	m³/h	26		31		34.4		41.3		51.6		65.4	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	43		44		44		45		45		45	
Noise		dB(A)	68		68		70		71		71		73	
	Dimension (L×W×H)	mm	3020×800× 1450		3100×950× 1450		2900×1050× 1520		2950×1050× 1520		2880×1200× 1600		3000×1200× 1600	
Weight		kg	1550		1620		1700		1800		2100		2500	



50Hz 60Hz R134a R22

Product type			LSL420		LSL500		LSL580		LSL630		LSL720		LSL830	
Rated cooling capacity		kW/ Btu/h	420	1433460	500	1706500	580	1979540	630	2150190	720	2457360	830	2832790
Compressor	Cooling input power	kW	82.1		97.9		115.9		124.3		144.2		164.7	
	Type		Semi-hermetic screw compressor											
	Amount		1		1		1		1		1		1	
Power supply		V/PH/ Hz	380/3/50 or 60											
Refrigerant	Type		R22/R134a											
	Quantity	kg	72.2		96		116		125		147		173	
	Control method		Electronic expansion valve											
Condenser	Water flow	m³/h	86.4		102.8		119.7		129.7		148.6		171.1	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	44		45		45		45		44		44	
	Water content	DN	100		100		126		125		125		125	
Evaporator	Water flow	m³/h	72.2		86		99.8		108.4		123.8		142.8	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	44		45		45		45		44		44	
	Water content	DN	100		100		100		125		125		125	
Noise		dB(A)	73		75		75		76		76		76	
Dimension (L×W×H)		mm	3020×1220×1650		3100×1300×1750		3600×1310×1850		3120×1350×1900		3500×1350×1900		3600×1380×1990	
Weight		kg	2650		2800		3500		3700		3820		2500	

Water-Cooled Screw Chiller



50Hz 60Hz



Product type			LSL1000		LSL1100		LSL1260		LSL1360		LSL1660		LSL1800	
Rated cooling capacity		kW/Btu/h	1000	3413000	1100	3754300	1260	4300380	1360	4641680	1660	5665580	1800	6143400
Compressor	Cooling input power	kW	195.8		217.8		248.6		271.8		329.5		351.2	
	Type	Semi-hermetic screw compressor												
	Amount		2		2		2		2		2		2	
Power supply		V/PH/Hz	380/3/50 or 60											
Refrigerant	Type		R22/R134a											
	Quantity	kg	193		218		250		274		346		375	
	Control method		Electronic expansion valve											
Condenser	Water flow	m³/h	205.7		226.7		259.5		280.7		370		370	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	43		44		46		46		46		46	
Evaporator	Water content	DN	2-125		2-125		2-125		2-125		2-150		2-150	
	Water flow	m³/h	172		189.2		216.7		233.9		285.5		309.6	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	44		43		45		45		46		46	
	Water content	DN	150		150		150		150		150		200	
Noise		dB(A)	78		78		78		80		80		80	
Dimension (L×W×H)		mm	4160×1395×2020		4250×1395×2020		4280×1480×2060		4320×1460×2035		4545×1480×2050		4600×1490×2100	
Weight		kg	4210		4520		5550		6200		6800		6900	

Performance values refer to the following conditions:

Cooling capacity is measured under the condition:

- Source side water inlet/outlet temperature 30°C / 35°C;
- User side water inlet/outlet temperature 12°C / 7°C.

Ground Source Heat Pump



Features

- 17 sizes available ranging from 150kW to 1274kW cooling capacity.
- Reusable: using solar energy stored in earth as cooling and heating source.
- Great environmental and economic benefit: no boiler or cooling tower; less space; less CO₂ and less initial investment.
- Acting as multi-function unit such as cooling, heating, sanitary hot water separately or simultaneously.
- Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.
- Hermetic scroll compressor and semi-hermetic screw compressor, each compressor is equipped with a crankcase heater and a thermal overload cut-out; the screw compressor is also complete with a built-in electronic protection with temperature sensor located directly in the motor winding and on the discharge line.
- The refrigerant circuit is complete with sight glass, filter drier, high and low pressure gauges, solenoid valve, direct expansion valve, high and low pressure switch.
- Shell and tube dry expansion type condenser, factory insulated with flexible close cell material.
- The electric panel consists of compressor breaker, compressor contactor, phase sequence relay, control circuit breaker, microprocessor control with function display.
- LCD display, touch screen control panel as standard.
- Automatic operation dramatically reducing

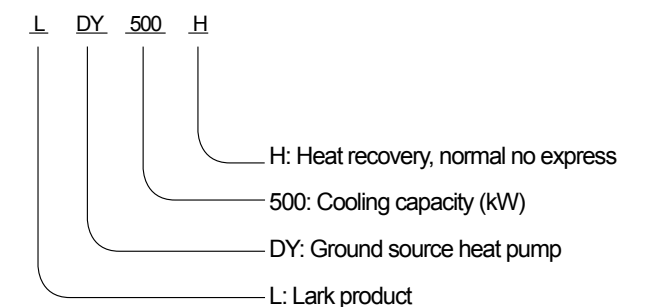
maintenance cost thanks to reliable microprocessor system.

- For the units with semi-hermetic screw compressor, an infinitely variable capacity control system that is capable of exactly matching the requirement of the system. This system is to provide precise and stable control of supply water temperature over the complete range of operating conditions.

Optional

- Electronic expansion valve.
- Electronic controller with BMS system.

Instruction of model



Ground Source Heat Pump



50Hz 60Hz

R134a R22

Product type			LDY150		LDY180		LDY200		LDY240		LDY300	
Rated cooling capacity		kW/Btu/h	150	511950	180	614340	193	658709	237	808881	288	982944
Rated heating capacity		kW/Btu/h	191	651883	228	778164	224	764512	274	935162	333	1136529
Compressor	Cooling input power	kW	28.8		34.2		36.2		44.2		54	
	Heating input power	kW	42.6		50.6		47.2		57.6		70.4	
	Type		Scroll				Semi-hermetic screw compressor					
	Amount		2		2		1		1		1	
Power supply		V/PH/Hz	380/3/50 or 60									
Refrigerant	Type		R22/R134a									
	Quantity	kg	30		36		40		49		59	
	Control method		Electronic expansion valve									
Condenser	Water flow	m³/h	14		16.7		17.9		22		26.7	
	Type		Shell and tube heat exchanger									
	Pressure drop	kPa	50		50		45		45		45	
	Water content	DN	80		80		80		100		100	
Evaporator	Water flow	m³/h	25.8		31		33.2		40.8		49.5	
	Type		Shell and tube heat exchanger									
	Pressure drop	kPa	50		50		45		45		45	
	Water content	DN	80		80		80		100		100	
Noise		dB(A)	68		68		69		69		70	
Dimension (L×W×H)		mm	3020×800×1450		3100×950×1450		2900×1050×1520		2950×1050×1520		2880×1200×1600	
Weight		kg	1550		1620		1700		1800		2100	



50Hz 60Hz

R134a R22

Product type			LDY380		LDY420		LDY500		LDY600		LDY710		LDY770	
Rated cooling capacity		kW/Btu/h	372	1269636	418	1426634	492	1679196	592	2020496	697	2378861	752	2566576
Rated heating capacity		kW/Btu/h	429	1464177	471	1607523	566	1931758	679	2317427	798	2723574	858	2928354
Compressor	Cooling input power	kW	69.2		75.4		90		106.5		124.9		132.5	
	Heating input power	kW	90.2		98.4		117.4		138.8		162.8		172.8	
	Type	Semi-hermetic screw compressor												
	Amount		1		1		1		1		1		1	
Power supply		V/PH/Hz	380/3/50 or 60											
Refrigerant	Type		R22/R134a											
	Quantity	kg	77		84		101		122		144		155	
	Control method		Electronic expansion valve											
Condenser	Water flow	m³/h	34.5		37.8		45.5		54.6		64.3		69.2	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	45		45		46		47		47		48	
	Water content	DN	100		100		100		125		100		150	
Evaporator	Water flow	m³/h	64		70.2		84.6		101.8		119.9		129.3	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	45		45		46		47		47		48	
	Water content	DN	100		100		100		125		125		150	
Noise		dB(A)	70		70		71		72		73		73	
Dimension (L×W×H)		mm	3000×1200×1600		3020×1220×1650		3100×1300×1750		3600×1310×1850		3450×1350×1850		3500×1350×1900	
Weight		kg	2500		2650		2800		3500		3750		3820	

Ground Source Heat Pump

Fan Coil

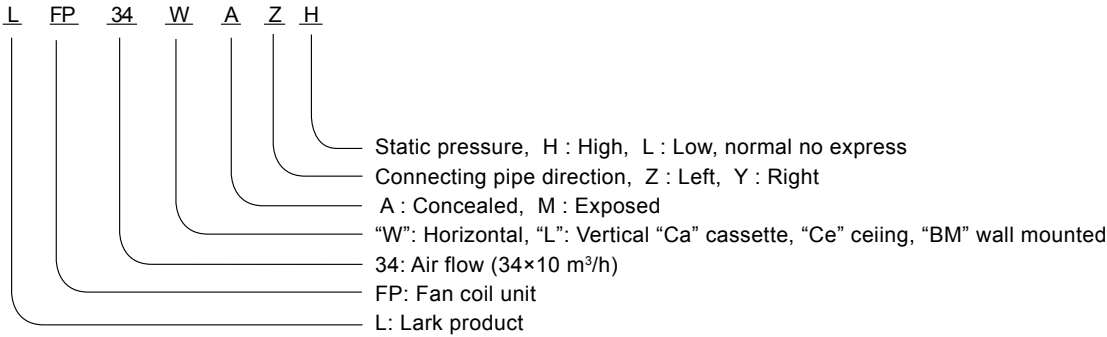


Product type			LDY900		LDY950		LDY1030		LDY1130		LDY1200		LDY1300	
Rated cooling capacity		kW/Btu/h	881	3006853	928	3167264	1012	3453956	1112	3795256	1184	4040992	1274	4348162
Rated heating capacity		kW/Btu/h	1000	3413000	1067	3641671	1162	3965906	1275	4351575	1358	4634854	1460	4982980
Compressor	Cooling input power	kW	151.3		169		183.6		200.1		213		228.6	
	Heating input power	kW	197.3		221		239.5		260.9		277.6		298	
	Type		Semi-hermetic screw compressor											
	Amount		1		2		2		2		2		2	
Power supply		V/PH/Hz	380/3/50 or 60											
Refrigerant	Type		R22/R134a											
	Quantity	kg	182		192		209		230		245		254	
	Control method		Electronic expansion valve											
Condenser	Water flow	m³/h	80.7		85.8		93.5		102.6		109.2		113.3	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	48		49		49		49		49		50	
	Water content	DN	150		150		150		150		150		150	
Evaporator	Water flow	m³/h	151.5		159.6		174.1		191.3		203.6		211.4	
	Type		Shell and tube heat exchanger											
	Pressure drop	kPa	48		49		49		49		49		50	
	Water content	DN	150		150		150		150		150		150	
Noise		dB(A)	73		74		74		74		74		75	
Dimension (L×W×H)		mm	3600×1380×1990		3860×1395×2020		4160×1395×2020		4250×1395×2020		4360×1395×2020		4320×1460×2035	
Weight		kg	3880		3890		4210		4520		4720		6200	

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Source side water inlet/outlet temperature 18°C/ 29°C ,user side water inlet/outlet temperature 12°C/ 7°C ;
- Heating capacity is measured under the condition : Source side water inlet temperature 15°C ,user side water inlet temperature 40°C.

Instruction of model



Introduction

- LARK's Fan Coil units are ideally designed for the air condition of the residential, commercial and institutional buildings with low static pressure application. They provide flexible operation and control of indoor conditions in individual spaces.
- The units cover an air flow range of 340 to 2,380 m³/h nominal. The standard unit consists of a coil section, suitable for both chilled/ hot water, a fan section with a direct driven centrifugal fan and a flat filter.

Outstanding features

- Units are manufactured in ISO9001-2000 certified facility.
- Units are manufactured in ISO14001-1996 certified facility.
- Units are rated in accordance with ARI 440 standard.

Specifications coils

All coils are constructed of 3/8 inch diameter copper tubes mechanically expanded into aluminum fins. The coil fins are spaced at 10 fins per inches standard. All coils are tested at 450 Psig air pressure and are suitable for up to 250 Psig working pressure(with manual air vent, piped to the drain pan).

Fans

All units are provided with forward curved centrifugal fans of the double inlet type that are designed for maximum efficiency and uniform are distribution. The fans are statically and dynamically balanced to ensure quiet operation and optimal performance. All fans are of the direct driven type.

Motors

Motors are driven by permanent split capacitor electric motors and are of the three-speed type (with internal thermal protection).

Filters

All units except the deluxe type are provided with aluminum mesh media flat filter.The deluxe type are provided with washable type flat filter.

Fan Coil

Drain Tray

All units are provided with a drain pan connection from one side. The drain pan is insulated on its underside to prevent condensation.

Casing

All units are constructed of heavy gauge galvanized steel without painting, except for special required models that need to be painted with polyester epoxy powder electro-static painting.

Insulation

All units are internally lined with 8mm fiber-glass insulation for the coil and fan section.

Optional

The following options can be provided:

Thermostat (include 3-speed switch)

Shut-off valve- Loose Item or built in unit.

Auxiliary drain tray

4-Pipe system units –Double coils(3-Row cooling+1-Row heating).

Synthetic media filter.

Polyester-epoxy powder electrostatic paint of the unit's casing for non decorative units.

3-way valve- Loose or built in unit.

Built-in electric heaters with the following standard features.

1. Finned tube electric heating elements.

2. Automatic thermal safety cutout.

Optional components for built-in electric heaters are available:

1. Manual thermal safety cutout.

2. Contactor (one normally open contactor).

All heaters are single stage.

All heaters are available in either 220-240V/single-phase/50Hz or 110V/single-phase/60Hz power supply.

Double panels construction with 25mm fiber glass isolation. Inner skin can be either solid or perforated.

Additional

Please declare the direction of inlet / outlet water.



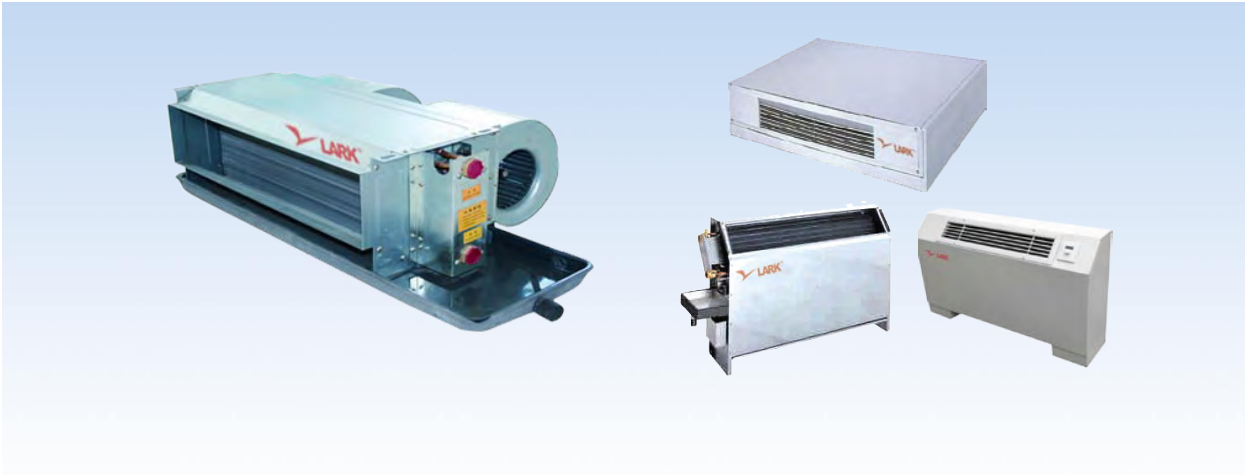
V- shap drain tray



easy taken out coil



high quality motor



50Hz 60Hz

Horizontal or Vertical fan coil unit (three rows) performance parameters

Product type			LFP34	LFP51	LFP68	LFP85	LFP102	LFP136	LFP170	LFP204
Air flow	High	m³/h	340	510	680	850	1020	1360	1700	2040
	Middle	m³/h	300	440	560	700	830	1100	1380	1640
	Low	m³/h	230	330	420	530	630	830	1040	1230
Total cooling capacity	High	W	2120	2950	4090	4700	5580	7370	9700	11290
	Middle	W	2000	2780	3670	4140	5130	6670	8930	10710
	Low	W	1790	2430	2970	3460	4380	5650	7620	9160
Sensible cooling capacity	High	W	1565	2115	3065	3535	4235	5745	7600	8900
	Middle	W	1450	1965	2655	3015	3730	4895	6490	7980
	Low	W	1240	1680	2045	2400	3050	3955	5310	6570
Total heating capacity	High	W	3600	5040	7030	7870	9420	12600	16200	19200
	Middle	W	3265	4510	5900	6625	8415	10800	14560	17350
	Low	W	2750	3720	4600	5250	6870	8755	11880	14200
Fan quantity			1	2	2	2	2	3	4	4
Fan motor input power		W	37	52	62	76	96	134	152	189
		W	44	59	72	87	108	156	174	212
		W	49	66	84	100	118	174	210	250
Power supply		V/PH/Hz	220/1/50/60							
Noise		dB(A)	37	39	41	43	45	46	48	50
		dB(A)	40	42	44	46	48	48	50	52
		dB(A)	42	44	46	47	49	50	52	54
Water flow		kg/h	365	560	705	880	980	1270	1670	1940
Water resistance		kPa	4.2	7.8	15.1	21.5	32.1	12.6	20.5	23.6
Draining pipe		mm	Rc3/4"(DN20)							
Dimension (L×W×H)	Horizontal concealed	mm	580×500×235	730×500×235	780×500×235	880×500×235	1080×500×235	1230×500×235	1430×500×235	1530×500×235
	Horizontal exposed	mm	850×500×260	1000×500×260	1050×500×260	1150×500×260	1350×500×260	1500×500×260	1700×500×260	1800×500×260
	Vertical concealed	mm	530×225×620	680×225×620	730×225×620	830×225×620	1030×225×620	1180×225×620	1380×225×620	1480×225×620
	Vertical exposed	mm	850×180×670	1000×180×670	1050×180×670	1150×180×670	1350×180×670	1500×180×670	1700×180×670	1800×180×670
Weight	Horizontal concealed	kg	14	17	18	20	22	32	35	37
	Horizontal exposed	kg	24	26	31	36	40	46	55	66
	Vertical concealed	kg	21	24	25	26	30	36	45	47
	Vertical exposed	kg	31	33	35	36	41	47	57	59

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 27°C/WB 19.5°C ,water inlet/outlet temperature 7°C/ 12°C ;
- Heating capacity is measured under the condition : Ambient temperature DB 21°C ,water inlet temperature 60°C.

Fan Coil

Cassette(Round-way)



		50Hz 60Hz							
Product type		LFP-51Ca	LFP-68Ca	LFP-85Ca	LFP-102Ca	LFP-136Ca	LFP-170Ca	LFP-204Ca	LFP-238Ca
Power supply		220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz
Cooling/heating capacity	W	2700/4050	3600/5400	4500/6750	5400/8100	7200/10800	9000/13500	10800/16200	12600/18900
Noise level	dB(A)	39	41	43	45	46	48	50	51
Air flow	m³/h	510	680	850	1020	1360	1700	2040	2380
Controlling method	Remote controller or wired controller								
Input power	W	50	65	70	110	130	150	185	190
Input current	A	0.23	0.28	0.32	0.49	0.55	0.68	0.85	0.91
Water flow	m³/h	0.52	0.62	0.86	0.98	1.22	1.58	1.92	2.10
Water resistance	kPa	14	16	18	22	25	39	44	44
Piping connection	Inlet	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"
	Outlet	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"
Unit dimension	Net(mm)	590x590x260	590x590x260	590x590x260	840x840x240	840x840x240	840x840x285	840x840x285	960x960x285
	Packaging(mm)	675x675x310	675x675x310	675x675x310	855x885x260	855x885x260	855x885x305	855x885x305	1040x1040x305
Panel dimension	Net(mm)	650x650x30	650x650x30	650x650x30	950x950x45	950x950x45	950x950x45	950x950x45	1140x1140x45
	Packaging(mm)	720x720x135	720x720x135	720x720x135	1005x1005x100	1005x1005x100	1005x1005x100	1005x1005x100	1195x1195x100



Cassette(One-way)

Product type		LFP-34Ca/1W	LFP-51Ca/1W	LFP-68Ca/1W	LFP-85Ca/1W
Air flow	m³/h	340	510	680	850
Cooling capacity	W	2050	2800	3650	4620
Heating capacity	W	3310	4500	6050	7630
Noise level	dB(A)	37	38	39	40
Fan quantity		1	1	1	1
Fan motor	Input power	W	37	52	76
	Power supply	V/PH/Hz	220,1~,50/60		
Water supply	kg/h	350	480	620	780
Water resistance	kPa	10.8	10.8	20	20
Panel weight	Net	kg	4	4	4
	Gross	kg	6	6	6
Unit weight	Net	kg	22	22	23
	Gross	kg	25	25	26
Panel dimension	Unit	mm	1050×470×18	1050×470×18	1050×470×18
	Packing	mm	1150×530×172	1150×530×172	1150×530×172
Unit dimension	Unit	mm	850×400×235	850×400×235	850×400×235
	Packing	mm	990×435×290	990×435×290	990×435×290
Inlet and outlet water pipe		mm	ZG3/4"(ø26)		
Draining pipe		mm	ø26		

Note:

- Standard cooling condition: Air inlet temp. DB: 27℃ ,WB:19.5℃ , Chiller water Inlet/Outlet temperature 7℃ /12℃ ;
- Standard heating condition: Air inlet temp. DB: 21℃ ,hot water inlet temp. : 60℃ .

Ceiling & floor



		50Hz 60Hz							
Product type		LFP-51Ce	LFP-68Ce	LFP-85Ce	LFP-102Ce	LFP-136Ce	LFP-170Ce	LFP-204Ce	LFP-238Ce
Power supply		220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz
Cooling/Heating capacity	W	2700/4050	3600/5400	4500/6750	5400/8100	7200/10800	9000/13500	10800/16200	12600/18900
Noise level	dB(A)	39	41	43	45	46	48	50	51
Air flow	m³/h	510	680	850	1020	1360	1700	2040	2380
Controlling method			Remote controller or wired controller						
Input power	W	45	50	80	110	120	150	170	188
Input current	A	0.19	0.23	0.36	0.49	0.54	0.68	0.82	0.90
Water flow	m³/h	0.52	0.62	0.86	0.98	1.22	1.58	1.92	2.10
Water resistance	kPa	14	16	18	22	25	39	44	44
Piping connection	Inlet pipe	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"
	Outlet pipe	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"	ZG 3/4"
Unit dimension	Net(mm)	905x673x243	905x673x243	905x673x243	1288x673x243	1288x673x243	1672x673x243	1672x673x243	1672x673x243
	Packaging(mm)	995x765x311	995x765x311	995x765x311	1375x765x311	1375x765x311	1760x715x311	1760x715x311	1760x715x311

Note:

- Standard cooling condition: Air inlet temp. DB: 27℃ ,WB:19.5℃ , Chiller water inlet/outlet temperature 7℃ /12℃ ;
- Standard heating condition: Air inlet temp. DB: 21℃ ,hot water inlet temp. : 60℃ .

Fan Coil

Wall mount



		50Hz 60Hz			
Product type		LFP-51BM	LFP-68BM	LFP-85BM	LFP-136BM
Power supply		220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz
Cooling/Heating capacity	W	2700/4500	3600/5400	4500/6750	7200/10800
Air flow	m³/h	510	680	850	1360
Water flow	m³/h	0.52	0.62	0.86	1.22
Rated input power	W	30	39	45	90
Rated input current	A	0.14	0.18	0.21	0.43
Water drop	kPa	14	16	18	25
External ESP	Pa	0	0	0	0
Water inlet/outlet piping dimension	mm	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"
Noise level	dB(A)	39	41	43	46
Net weight	kg	11.2	11.2	14.5	16.5
Net dimension	mm	795x285x215	795x285x215	990x330x230	1090x330x255
Packaging dimension	mm	905x370x283	905x370x283	1065x375x275	1145x375x315

Note:

- Standard cooling condition: Air inlet temp. DB: 27°C ,WB:19.5°C , Chiller water inlet/outlet temperature 7°C /12°C ;
- Standard heating condition: Air inlet temp. DB: 21°C ,hot water inlet temp. : 60°C .

Air Handling Unit

Introduction

Lark Air Handling Units(AHU) are designed with high quality and efficiency to meet the most demanding requirements. They provide cooling, heating and ventilation to conditioned space. These units are suitable for hotels, hospitals, large halls, banks, super markets and other applications.

The advantage of modular design

Lark Air handling unit are manufactured in modular sections, where each module contains one or more components. Several modules compose a unit.

The whole air handling unit is shipped completely assembled as standard but partially assembled units can be shipped as an option.

The flexible modular design allows various section arrangements according to the task requirement.

- 1) Wide capacity range (1500m³/h to 40000m³/h). Larger capacities can be made as special units.
- 2) Ideal selection for controlling the indoor air quality so that the right degree of filtration, humidification, cooling, heating and also noise level can be achieved.
- 3) High efficiency centrifugal fans, excellent vibration absorption and high efficient heat exchangers are integrated to ensure reliable performance of the unit.
- 4) Air tight construction.
- 5) Rugged base frame adds strengths to the unit rigged construction.
- 6) High efficiency with high quality materials and components.
- 7) Long life with easy inspection and maintenance through access doors and access panels.
- 8) Different kinds of accessories and options can be selected and added to this modular design.
- 9) Modular design unit is suited to match application requirements.

Outstanding features

Design Versatility

Unit capacities in AHU have a wide range depending on the design requirements, also units can be constructed almost in any shape and dimensions to meet client's restricted spaces in mechanical room, roof...etc.

Structure quality

All frames are made of high quality extruded metal profile, and the frame rigidity is achieved through the use of a special construction.

This rigid structure supports the whole unit to prevent bends due to external loads.

Service ability

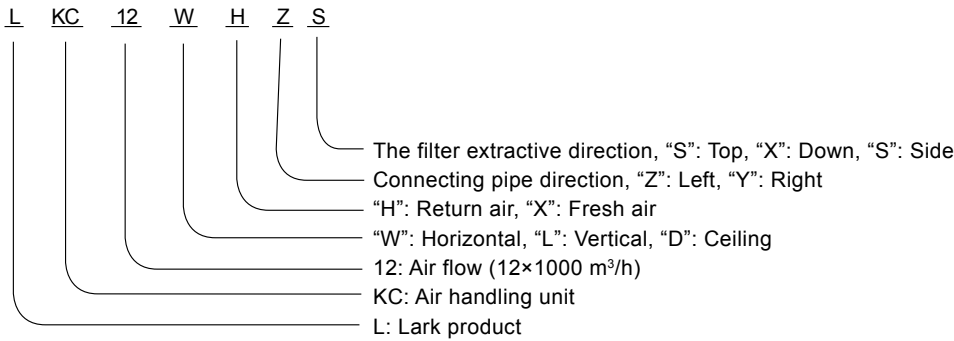
The unit construction facilitates easy accessibility for operators to maintain and service. This accessibility is reflected in the number of doors provided for the unit and easy removing panels.

This serviceability will positively affect the unit expected life.

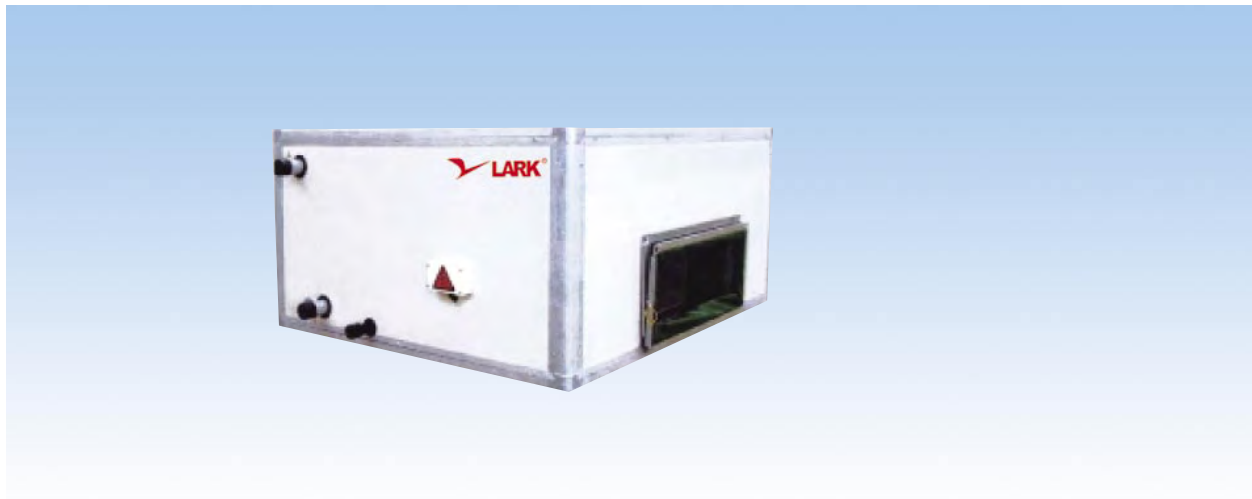
Options diversity

There is a vast variety of filtration, cooling, heating fan, and controls options that can be provided for AHU series,which enhance our unit's performance.

Instruction of model



Air Handling Unit



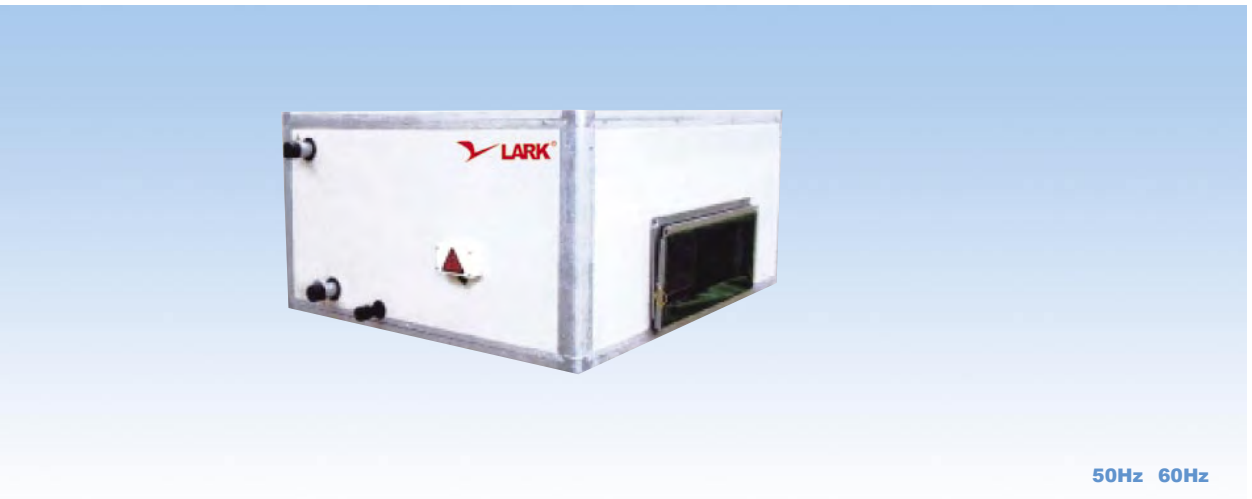
50Hz 60Hz

Ceiling Type Air Handling Unit Performance parameters(Return Air)

Product type	Rated air volume	Rated cooling capacity		Rated heating capacity		External static pressure		Motor power	Water flow		Water resistance		Noise	Weight		Dimension	
		4R	6R	4R	6R	4R	6R		4R	6R	4R	6R		4R	6R	L×W×H	
	m³/h	kW		kW		Pa		kW	L/s		kPa		dB(A)	kg		mm	
LKCD1.5A	1500	8.1	11.1	12.1	16.5	180	130	0.32	0.39	0.53	3.9	7.6	55	74	77	900×750×550	
LKCD2A	2000	11.1	14.9	16.5	22.2	200	150	0.32	0.53	0.71	4.6	8.6	56	80	84	940×800×600	
LKCD2.5A	2500	13.2	18.2	19.7	27.1	230	180	0.55	0.63	0.87	7.4	13.8	57	93	97	940×950×600	
LKCD3A	3000	15.2	22.2	22.6	33.1	190	140	0.55	0.73	1.06	8.7	18.9	58	101	106	940×1090×600	
LKCD4A	4000	21.3	29.4	31.7	43.8	250	200	1.1	1.02	1.4	12.7	28	59	139	146	1000×1300×640	
LKCD4B	4000	24.2	31.7	36.1	47.2	200	150	0.32×2	1.16	1.51	18.8	14.1	59	131	137	940×1360×600	
LKCD5A	5000	32.9	37.9	49	56.5	280	280	1.5	1.57	1.81	13.2	25.5	60	165	173	1100×1420×680	
LKCD5B	5000	31.9	39.8	47.5	59.3	230	180	0.55×2	1.52	1.9	22.7	21.3	60	152	161	940×1650×600	
LKCD6A	6000	33.6	45.7	50.1	68.1	250	200	1.5	1.6	2.18	11.5	20.7	61	192	202	1150×1500×750	
LKCD6B	6000	36.6	48	54.5	71.5	190	140	0.55×2	1.75	2.29	24.3	19.5	61	182	193	940×1920×600	
LKCD7A	7000	40.2	53.9	59.9	80.3	200	200	1.5	1.92	2.57	13.8	22.7	62	214	226	1250×1550×820	
LKCD7B	7000	43.5	56.5	64.8	84.2	200	200	1.1×2	2.08	2.7	14.8	25.8	62	256	268	1100×2100×640	
LKCD8A	8000	48.1	63.5	71.7	94.6	250	250	2.2	2.3	3.03	14.8	30.7	62	244	256	1250×1720×820	
LKCD8B	8000	51.5	65.4	76.7	97.4	200	200	1.1×2	2.46	3.12	17.8	34.8	62	272	285	1100×2350×640	
LKCD9A	9000	52.8	70.8	78.7	106	300	300	3	2.52	3.38	9.5	18.4	63	265	279	1300×1720×890	
LKCD9B	9000	57.5	73.2	85.7	109	200	200	1.1×2	2.74	3.49	18.8	39.8	63	300	314	1150×2350×680	
LKCD10A	10000	59.9	78.9	89.3	118	350	350	3	2.86	3.77	11.2	17.7	64	278	295	1300×1900×890	
LKCD10B	10000	66.9	83.7	99.7	125	300	300	1.5×2	3.19	4	26.8	48.5	64	312	329	1150×2450×700	
LKCD12A	12000	72.8	95.9	109	143	400	400	4	3.47	4.58	14.7	21.2	65	335	354	1400×1900×1000	
LKCD12B	12000	79.3	100	118	149	350	350	2.2×2	3.79	4.77	30.8	48.8	65	366	384	1200×2550×780	
LKCD14A	14000	87.4	113	130	168	400	400	5.5	4.17	5.39	14.9	26.7	65	383	405	1400×2050×1050	
LKCD14B	14000	92.3	117	138	174	350	350	2.2×2	4.41	5.58	29.2	58.2	65	397	419	1500×2550×880	

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 27°C/WB 19.5°C ,water inlet temperature 7°C,water temperature difference 5°C;
- Heating capacity is measured under the condition : Air inlet temperature DB 21°C ,water inlet temperature 60°C.



50Hz 60Hz

Ceiling Type Air Handling Unit Performance parameters(Fresh Air)

Product type	Rated air volume	Rated cooling capacity		Rated heating capacity		External static pressure		Motor power	Water flow		Water resistance		Noise	Weight		Dimension
		4R	6R	4R	6R	4R	6R		4R	6R	4R	6R		4R	6R	L×W×H
	m³/h	kW		kW		Pa		kW	L/s		kPa		dB(A)	kg		mm
LKCD1.5A	1500	19.9	25.7	22.3	28.8	180	130	0.32	0.95	1.23	22.4	12.6	55	74	77	900×750×550
LKCD2A	2000	26.8	34.5	30	38.6	200	150	0.32	1.28	1.65	26	21.2	56	80	84	940×800×600
LKCD2.5A	2500	33.7	40.7	37.7	45.6	230	180	0.55	1.61	1.94	45.6	21.5	57	93	97	940×950×600
LKCD3A	3000	40.1	49.2	44.9	55.1	190	140	0.55	1.91	2.35	59.4	24.7	58	101	106	940×1090×600
LKCD4A	4000	53.1	68.7	59.5	76.9	250	200	1.1	2.53	3.28	16.2	32.3	59	139	146	1000×1300×640
LKCD4B	4000	55.9	71	62.6	79.5	200	150	0.32×2	2.67	3.39	28	30.1	59	131	137	940×1360×600
LKCD5A	5000	67.9	87.1	76	97.6	280	280	1.5	3.24	4.16	18.3	44.4	60	165	173	1100×1420×680
LKCD5B	5000	73.7	89.2	82.5	99.9	230	180	0.55×2	3.52	4.26	38.5	32.3	60	152	161	940×1650×600
LKCD6A	6000	81.3	105	91.1	118	250	200	1.5	3.88	5.01	15.7	48.6	61	192	202	1150×1500×750
LKCD6B	6000	84.5	108	94.6	120	190	140	0.55×2	4.03	5.13	40.1	36.7	61	182	193	940×1920×600
LKCD7A	7000	97.2	123	109	138	200	200	1.5	4.64	5.87	17.1	51.1	62	214	226	1250×1550×820
LKCD7B	7000	101	121	113	136	200	200	1.1×2	4.82	5.78	41.2	50.3	62	256	268	1100×2100×640
LKCD8A	8000	114	143	128	160	250	250	2.2	5.44	6.83	25.4	43.2	62	244	256	1250×1720×820
LKCD8B	8000	108	142	121	159	200	200	1.1×2	5.16	6.78	15.9	49.4	62	272	285	1100×2350×640
LKCD9A	9000	127	159	142	178	300	300	3	6.06	7.59	29.8	60.4	63	265	279	1300×1720×890
LKCD9B	9000	119	159	133	178	200	200	1.1×2	5.68	7.59	18.3	60.4	63	300	314	1150×2350×680
LKCD10A	10000	141	178	158	199	350	350	3	6.73	8.5	35.3	62.1	64	278	295	1300×1900×890
LKCD10B	10000	140	181	157	203	300	300	1.5×2	6.68	8.64	24.2	62.6	64	312	329	1150×2450×700
LKCD12A	12000	171	215	192	241	400	400	4	8.16	10.3	40.9	75.3	65	335	354	1400×1900×1000
LKCD12B	12000	166	216	186	242	350	350	2.2×2	7.92	10.3	29.6	69.8	65	366	384	1200×2550×780
LKCD14A	14000	202	251	226	281	400	400	5.5	9.64	12	45.5	90.8	65	383	405	1400×2050×1050
LKCD14B	14000	189	251	212	281	350	350	2.2×2	9.02	12	24.8	79.8	65	397	419	1500×2550×880

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 34°C/WB 28°C ,water inlet temperature 7°C,water temperature difference 5°C;
- Heating capacity is measured under the condition : Air inlet temperature DB 4°C ,water inlet temperature 60°C.

Air Handling Unit



50Hz 60Hz

Horizontal Type Air Handling Unit Performance parameters(Return Air)

Product type	Rated air volume	Rated cooling capacity		Rated heating capacity		External static pressure		Motor power	Water flow		Water resistance		Noise	Weight		Dimension
		4R	6R	4R	6R	4R	6R		4R	6R	4R	6R		4R	6R	
		m³/h	kW	kW	kW	Pa	Pa		L/s	L/s	kPa	kPa		kg	kg	
LKCW2A	2000	11.1	14.9	16.5	22.2	200	150	0.32	0.53	0.71	4.6	8.6	56	81	85	940×800×620
LKCW3A	3000	15.2	22.2	22.6	33.1	190	140	0.55	0.73	1.06	8.7	18.9	58	102	107	940×1090×620
LKCW4A	4000	21.3	29.4	31.7	43.8	250	200	1.1	1.02	1.4	12.7	28	59	142	149	1000×1300×680
LKCW5A	5000	32.9	37.9	49	56.5	280	280	1.5	1.57	1.81	13.2	28.5	60	169	178	1100×1420×720
LKCW6A	6000	33.6	45.7	50.1	68.1	250	200	1.5	1.6	2.18	11.5	20.7	61	196	206	1150×1500×770
LKCW7A	7000	40.2	53.9	59.9	80.3	200	200	1.5	1.92	2.57	13.8	22.7	62	224	236	1250×1550×880
LKCW8A	8000	48.1	63.5	71.7	94.6	250	250	2.2	2.3	3.03	14.8	30.7	62	251	266	1250×1720×880
LKCW9A	9000	52.8	70.8	78.7	106	300	300	3	2.52	3.38	9.5	18.4	63	272	286	1350×1720×920
LKCW10A	10000	59.9	78.9	89.3	118	300	300	3	2.86	3.77	11.2	17.7	64	286	303	1350×1900×920
LKCW12A	12000	72.8	95.9	109	143	350	350	4	3.47	4.58	14.7	21.2	65	347	367	1450×1900×1030
LKCW14A	14000	87.4	113	130	168	400	400	5.5	4.17	5.39	14.9	26.7	65	390	412	1450×2050×1070
LKCW16A	16000	102	131	152	195	400	400	5.5	4.85	6.27	18.9	36.8	66	516	553	1650×2000×1230
LKCW18A	18000	115	147	171	219	400	400	5.5	5.48	7.05	21.3	39.7	67	538	580	1650×2200×1230
LKCW20A	20000	128	164	191	244	400	400	7.5	6.12	7.83	23.1	38.7	68	604	653	1800×2200×1350
LKCW25A	25000	162	207	241	308	400	400	7.5	7.75	9.9	32.1	40.5	68	732	793	1850×2280×1580
LKCW30A	30000	195	248	291	370	400	400	11	9.33	11.9	20.9	43.8	70	836	908	1850×2480×1700
LKCW35A	35000	233	296	347	441	450	450	15	11.2	14.1	33.1	68.8	71	980	1063	2000×2830×1700
LKCW40A	40000	266	340	396	507	450	450	15	12.7	16.3	41.3	67.8	72	1027	1122	2000×3050×1780

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 27°C/WB 19.5°C ,water inlet temperature 7°C,water temperature difference 5°C;
- Heating capacity is measured under the condition : Air inlet temperature DB 21°C ,water inlet temperature 60°C.



50Hz 60Hz

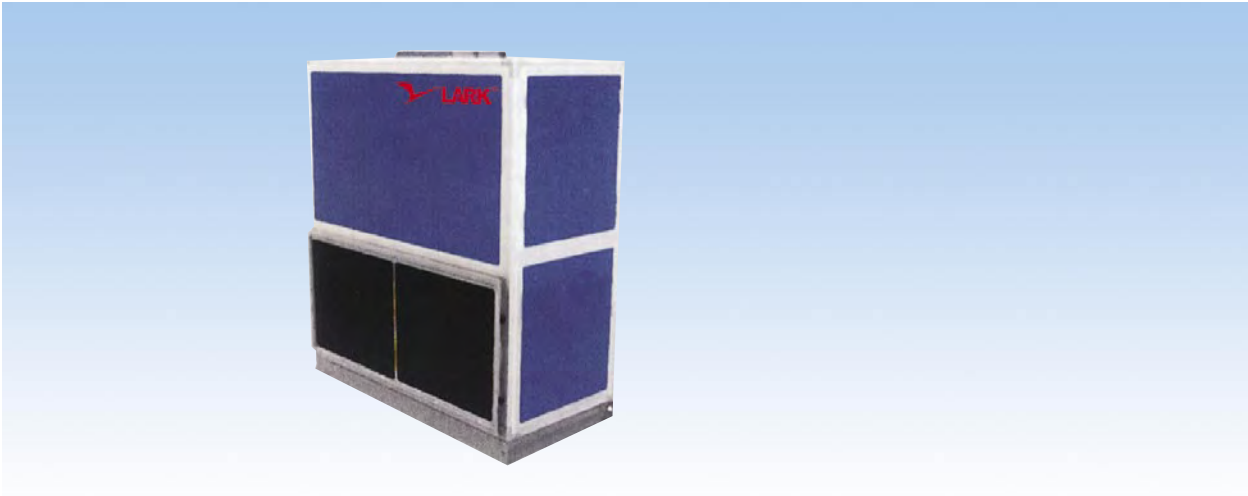
Horizontal Type Air Handling Unit Performance parameters(Fresh Air)

Product type	Rated air volume	Rated cooling capacity		Rated heating capacity		External static pressure		Motor power	Water flow		Water resistance		Noise	Weight		Dimension
		4R	6R	4R	6R	4R	6R		4R	6R	4R	6R		4R	6R	
		m³/h	kW	kW	kW	Pa	Pa		L/s	L/s	kPa	kPa		kg	kg	
LKCW2A	2000	26.8	34.5	30	38.6	200	150	0.32	1.28	1.65	26	21.2	56	81	85	940×800×620
LKCW3A	3000	40.1	49.2	44.9	55.1	190	140	0.55	1.91	2.35	19.4	24.7	58	102	107	940×1090×620
LKCW4A	4000	53.1	68.7	59.5	76.9	250	200	1.1	2.53	3.28	16.2	32.3	59	142	149	1000×1300×680
LKCW5A	5000	67.9	87.1	76	97.6	280	280	1.5	3.24	4.16	18.3	44.4	60	169	178	1100×1420×720
LKCW6A	6000	81.3	105	91.1	118	250	200	1.5	3.88	5.01	15.7	48.6	61	196	206	1150×1500×770
LKCW7A	7000	97.2	123	109	138	200	200	1.5	4.64	5.87	17.1	51.1	62	224	236	1250×1550×880
LKCW8A	8000	114	143	128	160	250	250	2.2	5.44	6.83	25.4	43.2	62	251	266	1250×1720×880
LKCW9A	9000	127	159	142	178	300	300	3	6.06	7.59	29.8	60.4	63	272	286	1350×1720×920
LKCW10A	10000	141	178	158	199	300	300	3	6.73	8.5	35.3	62.1	64	286	303	1350×1900×920
LKCW12A	12000	171	215	192	241	350	350	4	8.16	10.3	40.9	75.3	65	347	367	1450×1900×1030
LKCW14A	14000	202	251	226	281	400	400	5.5	9.64	12	45.5	90.8	65	390	412	1450×2050×1070
LKCW16A	16000	234	279	262	313	400	400	5.5	11.2	13.4	58.1	79.7	66	516	553	1650×2000×1230
LKCW18A	18000	242	314	271	352	400	400	5.5	11.6	15	24.8	98.3	67	538	580	1650×2200×1230
LKCW20A	20000	258	349	289	391	400	400	7.5	12.4	16.7	29.3	98.8	68	604	653	1800×2200×1350
LKCW25A	25000	330	425	370	476	400	400	7.5	15.8	20.4	82.8	168	68	732	793	1850×2280×1580
LKCW30A	30000	448	532	502	596	400	400	11	21.4	25.5	74.3	88.7	70	836	908	1850×2480×1700
LKCW35A	35000	538	633	603	709	450	450	15	25.7	30.3	133	124	71	980	1063	2000×2830×1700
LKCW40A	40000	557	727	624	814	450	450	15	26.6	34.8	112	142	72	1027	1122	2000×3050×1780

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 34°C/WB 28°C ,water inlet temperature 7°C,water temperature difference 5°C;
- Heating capacity is measured under the condition : Air inlet temperature DB 4°C ,water inlet temperature 60°C.

Air Handling Unit



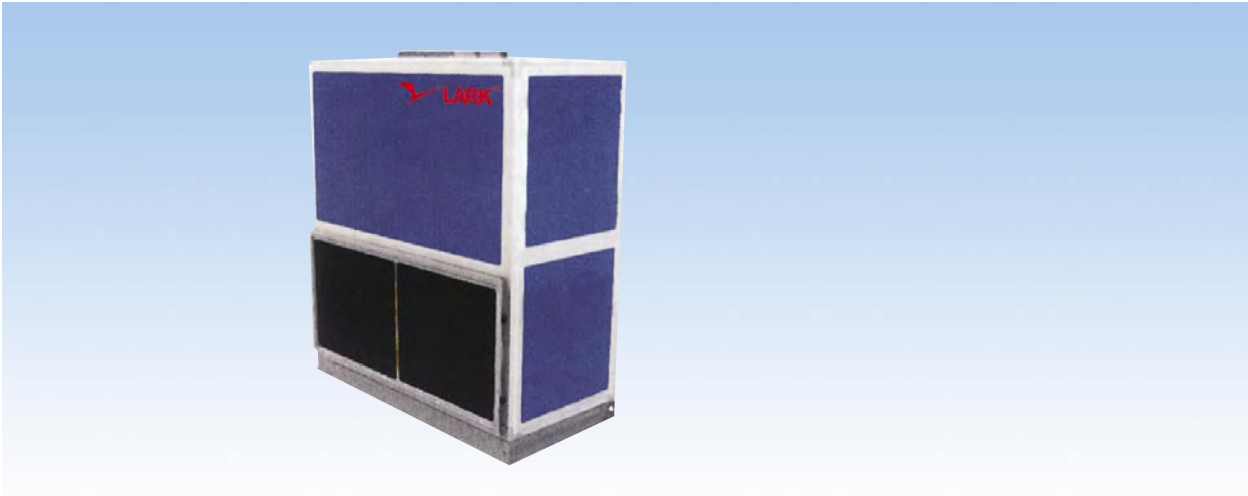
50Hz 60Hz

Vertical Type Air Handling Unit Performance parameters(Return Air)

Product type	Rated air volume	Rated cooling capacity		Rated heating capacity		External static pressure		Motor power	Water flow		Water resistance		Noise	Weight		Dimension	
		4R	6R	4R	6R	4R	6R		4R	6R	4R	6R		4R	6R	L×W×H	
		m³/h	kW	kW		Pa			L/s		kPa			kg		mm	
LKCL2A	2000	11.1	14.9	16.5	22.2	200	150	0.32	0.53	0.71	4.6	8.6	56	90	94	550×850×1180	
LKCL3A	3000	15.2	22.2	22.6	33.1	190	140	0.55	0.73	1.06	8.7	18.9	58	109	114	550×1150×1200	
LKCL4A	4000	21.3	29.4	31.7	43.8	250	200	1.1	1.02	1.4	12.7	28	59	162	169	650×1460×1270	
LKCL5A	5000	32.9	37.9	49	56.5	280	280	1.5	1.57	1.81	13.2	28.5	60	183	192	670×1500×1350	
LKCL6A	6000	33.6	45.7	50.1	68.1	250	250	1.5	1.6	2.18	11.5	20.7	61	213	224	730×1600×1480	
LKCL7A	7000	40.2	53.9	59.9	80.3	200	200	1.5	1.92	2.57	13.8	22.7	62	241	252	760×1680×1640	
LKCL8A	8000	48.1	63.5	71.7	94.6	250	250	2.2	2.3	3.03	14.8	30.7	62	258	271	760×1680×1700	
LKCL9A	9000	52.8	70.8	78.7	106	300	300	3	2.52	3.38	9.5	18.4	63	293	307	820×1840×1740	
LKCL10A	10000	59.9	78.9	89.3	118	300	300	3	2.86	3.77	11.2	17.7	64	303	318	820×1880×1790	
LKCL12A	12000	72.8	95.9	109	143	350	350	4	3.47	4.58	14.7	21.2	65	379	399	920×1920×2030	
LKCL14A	14000	87.4	113	130	168	400	400	5.5	4.17	5.39	14.9	26.7	65	420	442	920×2000×2100	
LKCL16A	16000	102	131	152	195	400	400	5.5	4.85	6.27	18.9	36.8	66	557	594	1040×2270×2200	
LKCL18A	18000	115	147	171	219	400	400	5.5	5.48	7.05	21.3	39.7	67	576	618	1040×2350×2260	
LKCL20B	20000	128	164	191	244	300	300	3×2	6.12	7.83	23.1	38.7	68	591	640	820×2550×2040	
LKCL25B	25000	162	207	241	308	350	350	4×2	7.75	9.9	32.1	40.5	68	750	810	920×2840×2280	
LKCL30B	30000	195	248	291	370	400	400	5.5	9.33	11.9	20.9	43.8	70	889	959	1040×3100×2350	

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 27°C/WB 19.5°C ,water inlet temperature 7°C,water temperature difference 5°C;
- Heating capacity is measured under the condition : Air inlet temperature DB 21°C ,water inlet temperature 60°C.



50Hz 60Hz

Vertical Type Air Handling Unit Performance parameters(Fresh Air)

Product type	Rated air volume	Rated cooling capacity		Rated heating capacity		External static pressure		Motor power	Water flow		Water resistance		Noise	Weight		Dimension	
		4R	6R	4R	6R	4R	6R		4R	6R	4R	6R		4R	6R	L×W×H	
		m³/h	kW	kW		Pa			L/s		kPa			kg		mm	
LKCL2A	2000	26.8	34.5	30	38.6	200	150	0.32	1.28	1.65	26	21.2	56	90	94	550×850×1180	
LKCL3A	3000	40.1	49.2	44.9	55.1	190	140	0.55	1.91	2.35	19.4	24.7	58	109	114	550×1150×1200	
LKCL4A	4000	53.1	68.7	59.5	76.9	250	200	1.1	2.53	3.28	16.2	32.3	59	162	169	650×1460×1270	
LKCL5A	5000	67.9	87.1	76	97.6	280	280	1.5	3.24	4.16	18.3	44.4	60	183	192	670×1500×1350	
LKCL6A	6000	81.3	105	91.1	118	250	250	1.5	3.88	5.01	15.7	48.6	61	213	224	730×1600×1480	
LKCL7A	7000	97.2	123	109	138	200	200	1.5	4.64	5.87	17.1	51.1	62	241	252	760×1680×1640	
LKCL8A	8000	114	143	128	160	250	250	2.2	5.44	6.83	25.4	43.2	62	258	271	760×1680×1700	
LKCL9A	9000	127	159	142	178	300	300	3	6.06	7.59	29.8	60.4	63	293	307	820×1840×1740	
LKCL10A	10000	141	178	158	199	300	300	3	6.73	8.5	35.3	62.1	64	303	318	820×1880×1790	
LKCL12A	12000	171	215	192	241	350	350	4	8.16	10.3	40.9	75.3	65	379	399	920×1920×2030	
LKCL14A	14000	202	251	226	281	400	400	5.5	9.64	12	45.5	90.8	65	420	442	920×2000×2100	
LKCL16A	16000	234	279	262	313	400	400	5.5	11.2	13.4	58.1	79.7	66	557	594	1040×2270×2200	
LKCL18A	18000	242	314	271	352	400	400	5.5	11.6	15	24.8	98.3	67	576	618	1040×2350×2260	
LKCL20B	20000	258	349	289	391	300	300	3×2	12.4	16.7	29.3	98.8	68	591	640	820×2550×2040	
LKCL25B	25000	330	425	370	476	350	350	4×2	15.8	20.4	82.8	168	68	750	810	920×2840×2280	
LKCL30B	30000	448	532	502	596	400	400	5.5	21.4	25.5	74.3	88.7	70	889	959	1040×3100×2350	

Performance values refer to the following conditions:

- Cooling capacity is measured under the condition : Air inlet temperature DB 34°C/WB 28°C ,water inlet temperature 7°C,water temperature difference 5°C;
- Heating capacity is measured under the condition : Air inlet temperature DB 4°C ,water inlet temperature 60°C.

Modular Air Handling Unit

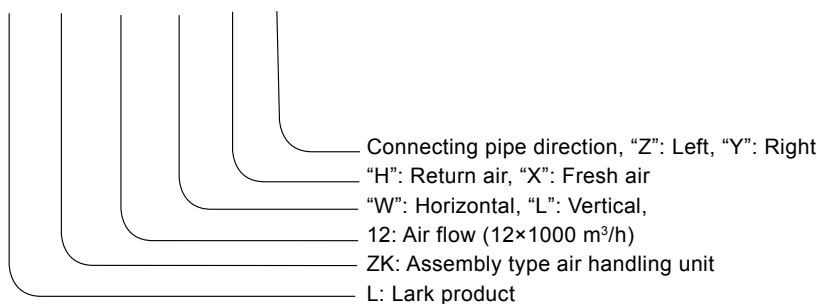


Features

- LARK's Modular air handling units give you the flexibility to meet the requirements of your application, including horizontal and vertical units.
- Wide application as hotel, apartment, factory, shopping center, office building, school, etc.
- Modular design, assemble flexible, installation convenient.
- Compact, lightweight design conserves space.
- Smooth operation, low noise, and high total pressure.
- Multiple coil design.
- Multiple arrangements including top discharge and side discharge.
- Good sealing, low leakage rate, high heat transfer efficiency.
- Nice appearance, corrosion resistance, convenient maintenance.

Instruction of model

L ZK 12 W H Z



Additional

Please declare the direction of inlet/outlet air.

Model of air handling unit

50Hz 60Hz

Model	Air flow	Total pressure	Motor power	Total pressure	Motor power	Total pressure	Motor power
	m³/h	Pa	kW	Pa	kW	Pa	kW
LZK2	2000	800	0.75	1200	1.5	1600	2.2
LZK4	4000	800	1.5	1200	2.2	1600	3
LZK6	6000	800	2.2	1200	3	1600	4
LZK8	8000	800	3	1200	4	1600	5.5
LZK10	10000	800	4	1200	5.5	1600	7.5
LZK12	12000	800	5.5	1200	7.5	1600	7.5
LZK15	15000	800	5.5	1200	7.5	1600	11
LZK18	18000	800	7.5	1200	11	1600	11
LZK20	20000	800	7.5	1200	11	1600	15
LZK25	25000	800	11	1200	15	1600	15
LZK30	30000	800	11	1200	15	1600	18.5
LZK35	35000	800	15	1200	18.5	1600	22
LZK40	40000	800	15	1200	22	1600	30
LZK50	50000	800	18.5	1200	30	1600	30
LZK60	60000	800	22	1200	30	1600	37
LZK70	70000	800	30	1200	37	1600	45
LZK80	80000	800	30	1200	37	1600	55
LZK90	90000	800	37	1200	45	1600	55
LZK100	100000	800	45	1200	55	1600	75

Return air & cooling condition

50Hz 60Hz

Model	Air flow	4R				6R				8R			
		TC	SC	Water flow	Water resistance	TC	SC	Water flow	Water resistance	TC	SC	Water flow	Water resistance
	m³/h	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
LZK2	2000	11.0	8.8	1.9	3.9	15.1	12.0	2.6	8.4	17.5	14.0	3.1	21.8
LZK4	4000	21.4	17.1	3.7	16.2	29.5	23.6	5.1	34.4	34.6	27.6	6.0	40.2
LZK6	6000	33.6	26.0	7.2	28.7	46.7	37.4	8.1	38.6	54.1	43.3	9.4	13.6
LZK8	8000	42.2	32.3	8.2	47.6	61.8	49.4	10.7	42.3	71.6	57.3	12.4	30.2
LZK10	10000	58.9	47.2	10.2	10.60	78.5	62.8	13.6	21.40	90.4	72.3	15.6	14.2
LZK12	12000	71.0	55.4	12.1	14.60	92.9	74.7	16.3	21.70	109.4	87.5	18.9	18.4
LZK15	15000	84.9	69.9	15.0	13.46	104.3	83.4	18.0	18.36	121.8	97.4	21.0	30.3
LZK18	18000	106.4	83.1	18.9	22.20	137.9	108.3	24.5	43.50	167.7	134.1	28.9	36
LZK20	20000	118.4	92.7	21.2	24.50	155.9	122.7	27.2	39.20	187.4	150.0	32.3	32.3
LZK25	25000	145.2	112.1	27.1	39.30	189.4	149.5	32.9	28.70	220.7	176.5	38.1	39.2
LZK30	30000	200.7	160.6	34.6	30.20	241.8	193.5	41.7	26.60	266.9	213.5	46.0	28.9
LZK35	35000	237.7	190.2	41.0	40.50	285.1	228.1	49.2	36.50	317.1	253.6	54.7	68.9
LZK40	40000	271.8	217.4	46.9	45.50	327.5	262.0	56.5	41.90	361.1	288.8	62.2	91.4
LZK50	50000	330.4	264.3	57.0	39.30	398.7	319.0	68.7	28.70	441.3	353.1	76.1	25.2
LZK60	60000	401.4	321.1	69.2	30.20	483.6	386.9	83.4	26.60	533.9	427.1	92.0	67
LZK70	70000	475.5	380.4	81.9	40.50	570.2	456.1	98.3	36.50	634.1	507.3	109.3	80.7
LZK80	80000	493.0	394.4	85.0	45.50	655.0	524.0	112.9	41.90	722.1	577.7	124.4	108
LZK90	90000	539.8	431.9	93.0	54.75	695.7	556.6	119.9	86.83	792.7	634.1	136.6	121
LZK100	100000	660.7	528.6	113.9	76.84	797.4	637.9	137.4	88.53	882.7	706.1	152.1	125

Note: the parameters above following:

Air inlet temperature DB 27°C/WB 19.5°C ,water inlet temperature 7°C,water temperature difference 5°C.

Modular Air Handling Unit

Fresh air & cooling condition

50Hz60Hz

Model	Air flow	4R				6R				8R			
		TC	SC	Water flow	Water resistance	TC	SC	Water flow	Water resistance	TC	SC	Water flow	Water resistance
	m³/h	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
LZK2	2000	27.0	21.6	4.7	28.4	34.6	27.6	6.0	40.81	38.8	31.0	6.7	8.9
LZK4	4000	53.1	42.4	9.2	11.3	68.7	54.9	11.9	34.91	77.4	61.9	13.4	30.2
LZK6	6000	83.0	66.4	14.3	12.3	106.2	85.0	18.3	37.84	118.5	94.8	20.5	33.8
LZK8	8000	110.6	88.4	19.1	23.9	140.1	112.1	24.2	57.81	156.5	125.2	27.0	50.4
LZK10	10000	141.5	113.2	24.4	35.2	177.1	141.6	30.5	53.70	196.9	157.5	34.0	55.2
LZK12	12000	160.4	126.3	28.0	34.90	194.5	153.6	33.8	30.30	224.4	179.5	38.7	56.3
LZK15	15000	199.9	159.9	34.5	31.99	249.8	199.8	43.1	60.40	263.3	210.7	45.4	66.2
LZK18	18000	240.8	192.6	41.5	23.70	316.5	253.2	54.6	80.00	345.7	276.5	59.6	86.7
LZK20	20000	261.4	209.1	45.1	30.90	370.0	296.0	63.8	75.60	410.4	328.3	70.7	108.2
LZK25	25000	338.0	270.4	58.3	66.98	446.0	356.8	76.9	65.00	485.8	388.6	83.7	155.4
LZK30	30000	411.9	329.6	71.0	28.60	543.6	434.9	93.7	90.70	586.0	468.8	101.0	167.2
LZK35	35000	488.4	390.7	84.2	35.30	634.1	507.3	109.3	112.60	689.3	551.4	118.8	187.2
LZK40	40000	556.7	445.4	95.9	72.90	723.3	578.7	124.6	121.80	788.7	631.0	135.9	195.4
LZK50	50000	675.9	540.7	116.5	71.13	892.1	713.7	153.7	65.00	971.5	777.2	167.4	118.2
LZK60	60000	823.9	659.1	142.0	28.60	1087.3	869.8	187.3	90.70	1172.0	937.6	201.9	162.3
LZK70	70000	976.8	781.4	168.3	35.30	1268.2	1014.6	218.5	125.00	1378.6	1102.9	237.5	176.5
LZK80	80000	1113.5	890.8	191.8	72.90	1446.6	1157.3	249.2	121.80	1577.5	1262.0	271.8	192.1
LZK90	90000	1199.5	959.6	206.7	72.90	1501.0	1200.8	258.6	130.44	1747.0	1397.6	301.0	172.5
LZK100	100000	1338.9	1071.1	229.6	71.73	1665.6	1332.5	287.0	148.80	1943.0	1554.4	334.7	188.2

Note: the parameters above following:
Air inlet temperature DB 34°C/WB 28°C ,water inlet temperature 7°C,water temperature diffrence 5°C.

Return air & heating condition

50Hz60Hz

Model	Air flow	Hot water									Steam			
		1R			2R			4R			1R		2R	
		TC	Water flow	Water resistance	TC	Water flow	Water resistance	TC	Water flow	Water resistance	TC	Steam flow	TC	Steam flow
	m³/h	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	kg/h	kW	kg/h
LZK2	2000	10.1	0.9	2.3	12.7	1.1	1.0	16.5	1.9	3.91	9.4	12.2	18.9	24.5
LZK4	4000	13.7	1.2	6.7	24.2	2.1	4.3	32.0	3.7	16.16	17.8	23.1	35.6	46.1
LZK6	6000	20.3	1.8	8.8	43.3	3.8	12.3	50.4	7.2	28.72	28.4	36.8	56.8	73.6
LZK8	8000	27.1	2.4	13.9	57.9	5.0	18.9	63.3	8.2	47.62	41.5	53.7	83.1	107.6
LZK10	10000	34.0	3.0	1.2	65.1	5.7	3.2	88.4	10.2	10.60	54.5	70.6	109.0	141.2
LZK12	12000	40.6	3.5	1.7	79.8	6.9	4.5	106.5	12.1	14.60	70.1	90.8	140.3	181.7
LZK15	15000	50.8	4.4	2.5	92.7	8.0	4.5	127.4	15.0	13.46	77.7	100.6	155.5	201.4
LZK18	18000	60.8	5.3	3.0	122.1	10.6	6.3	159.6	18.9	22.20	87.7	113.6	175.5	227.3
LZK20	20000	67.7	5.9	4.1	137.5	11.9	8.0	177.5	21.2	24.50	106.1	137.4	212.3	274.9
LZK25	25000	84.5	7.3	5.8	176.7	15.3	7.7	217.8	27.1	39.30	112.6	145.8	225.3	291.8
LZK30	30000	101.4	8.8	5.2	211.7	18.3	6.7	301.1	34.6	30.20	143.2	185.4	286.4	370.9
LZK35	35000	118.5	10.3	6.5	250.9	21.7	9.2	356.6	41.0	40.50	168.3	217.9	336.6	435.9
LZK40	40000	135.4	11.7	8.4	287.2	24.8	11.7	407.7	46.9	45.50	206.9	267.9	414.8	537.2
LZK50	50000	169.1	14.6	7.0	353.4	30.5	12.2	495.5	57.0	39.30	225.2	291.6	450.6	583.5
LZK60	60000	202.8	17.5	7.3	423.4	36.5	6.7	602.1	69.2	30.20	286.4	370.9	572.8	741.8
LZK70	70000	237.0	20.5	8.7	501.7	43.3	9.2	713.2	81.9	40.50	336.8	436.1	673.2	871.8
LZK80	80000	270.7	23.4	11.5	574.5	49.5	11.7	739.5	85.0	45.50	413.8	535.9	829.6	1074.3
LZK90	90000	304.4	26.3	13.2	632.0	54.5	14.3	809.8	93.0	54.75	429.5	556.2	859.2	1112.6
LZK100	100000	338.1	29.2	10.1	706.7	60.9	12.2	991.1	113.9	76.84	450.4	583.3	901.2	1167.0

Note: the parameters above following:
● Air inlet temperature 20°C ,water inlet/outlet temperature 60°C/50°C;
● Air inlet temperature 20°C ,steam inlet temperature 110°C,steam pressure 0.2MPa.

Fresh air & heating condition

50Hz60Hz

Model	Air flow	Hot water									Steam			
		1R			2R			4R			1R		2R	
		TC	Water flow	Water resistance	TC	Water flow	Water resistance	TC	Water flow	Water resistance	TC	Steam flow	TC	Steam flow
	m³/h	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	kg/h	kW	kg/h
LZK2	2000	10.8	1.0	4.8	17.7	1.6	3.2	40.5	4.7	28.4	11.4	14.8	22.7	29.4
LZK4	4000	21.9	1.9	11.5	35.5	3.1	9.0	79.6	9.2	11.3	21.4	27.7	42.8	12.9
LZK6	6000	32.7	2.9	18.4	52.9	4.6	16.1	124.5	14.3	12.3	34.1	44.2	68.3	20.6
LZK8	8000	43.5	3.8	24.2	70.6	6.1	22.9	165.8	19.1	23.9	49.9	64.6	99.9	30.1
LZK10	10000	54.2	4.7	1.2	88.4	7.6	5.8	212.3	24.4	35.2	65.5	84.8	131.1	39.5
LZK12	12000	65.1	5.7	1.7	105.8	9.1	4.8	240.6	28.0	34.9	84.3	109.2	168.7	50.9
LZK15	15000	81.1	7.0	2.5	132.3	11.4	7.2	299.8	34.5	31.99	93.4	121.0	186.9	56.4
LZK18	18000	97.4	8.4	3.0	158.8	13.7	5.6	361.2	41.5	23.70	105.5	136.6	211.0	63.6
LZK20	20000	108.2	9.4	4.1	176.8	15.2	6.9	392.0	45.1	30.90	127.6	165.2	255.3	77.0
LZK25	25000	135.4	11.7	5.8	220.7	19.0	9.7	506.9	58.3	66.98	135.4	175.3	270.9	81.7
LZK30	30000	162.2	14.0	5.2	264.9	22.8	13.6	617.9	71.0	28.60	172.2	223.0	344.4	103.8
LZK35	35000	189.3	16.4	6.5	309.1	26.5	17.4	732.6	84.2	35.30	202.3	262.0	404.7	122.0
LZK40	40000	216.5	18.7	8.4	353.2	30.3	12.4	835.1	95.9	72.90	248.8	322.2	497.7	150.1
LZK50	50000	270.7	23.4	7.0	441.4	37.9	11.7	1013.9	116.5	71.13	270.8	350.7	541.8	163.4
LZK60	60000	324.4	28.0	7.3	529.7	45.5	17.0	1235.8	142.0	28.60	344.4	446.0	688.8	207.7
LZK70	70000	378.7	32.7	8.7	618.1	53.0	21.0	1465.2	168.3	35.30	404.6	523.9	809.4	244.1
LZK80	80000	432.9	37.3	11.5	706.5	60.6	17.3	1670.2	191.8	72.90	497.6	644.4	995.4	300.1
LZK90	90000	486.7	42.0	13.2	794.9	68.2	19.7	1799.3	206.7	72.90	515.4	667.4	1033.0	311.5
LZK100	100000	538.8	46.5	10.1	883.2	75.8	22.0	2008.3	229.6	71.73	541.6	701.4	1083.6	326.7

Note: the parameters above following:
● Air inlet temperature 5°C ,water inlet/outlet temperature 60°C/50°C;
● Air inlet temperature 5°C ,steam inlet temperature 110°C,steam pressure 0.2MPa.

Modular Air Handling Unit

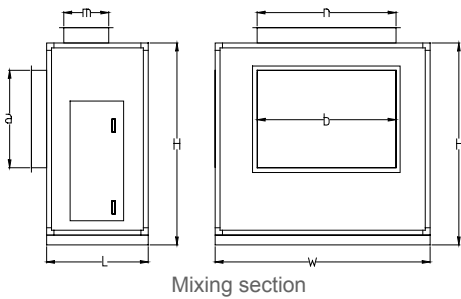
Dimensions of Each Function Sections

Mixing section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12500	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	500	500	500	500	600	600	600	600	800	800	800	800	800	1000	1000	1000	1000	1000	1000
a(mm)	300	300	400	400	450	450	500	500	600	600	650	650	700	800	800	850	850	900	900
b(mm)	400	500	600	800	1000	1100	1200	1300	1400	1550	1750	1950	2100	2200	2400	2600	2800	3000	3200
m(mm)	150	150	200	200	300	300	300	300	400	400	400	400	400	500	500	500	550	550	550
n(mm)	300	300	400	400	400	400	600	600	600	600	700	700	850	900	1100	1200	1300	1400	1500
Net(kg)	41	60	67	78	102	109	112	121	166	179	190	210	230	310	350	375	420	453	470

Note:

- Tuyere is compose of flange,also can deploy manual or electromotion (switch/adjust type) aluminum alloy commuting leafy regulator.
- Tuyere size can be made according to the request of customer.
- The direction of return air should be better horizontal.



Primary filtering section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
Net(kg)	30	43	47	54	60	66	75	83	96	110	118	128	145	176	221	230	260	289	305

Middle-efficient filtering section

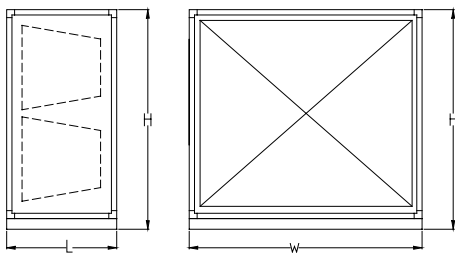
Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
Net(kg)	51	67	75	84	93	99	112	120	140	151	172	186	202	240	278	301	338	376	398

Sub-high & High-efficient filtering section

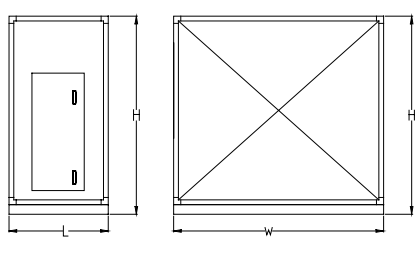
Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Net(kg)	47	55	60	69	70	80	89	98	120	129	147	158	170	208	251	266	301	330	348

Amount of filter

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
595x595	1	1	1	2	4	4	4	4	6	9	9	9	12	16	20	20	20	25	25
595x290		1	2	2			2	4	3		3	6	4			5	9	5	10



Filtering section



Middle section

Middle section

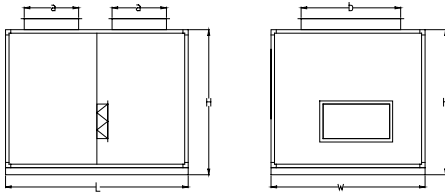
Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
Net(kg)	46	67	74	81	90	98	109	119	140	150	169	185	202	245	292	303	348	375	398

Modular Air Handling Unit

Distributary section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	1000	1000	1000	1000	1200	1200	1200	1200	1600	1600	1600	1600	2000	2000	2000	2000	2000	2000	2000
a(mm)	300	300	400	400	450	450	500	500	600	600	650	650	700	800	800	850	900	900	900
b(mm)	400	500	600	800	1000	1100	1200	1300	1400	1550	1750	1950	2100	2200	2400	2600	2800	3000	3200
Net(kg)	62	93	98	110	138	146	162	169	242	265	288	312	411	465	516	540	623	680	712

• Tuyere size can be made according to the request of customer.



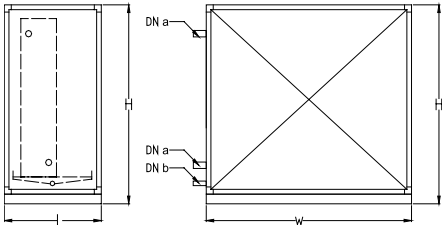
distributary section

Surface cooling section

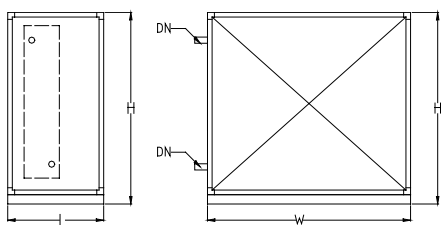
Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
a(inch)	1.25	1.25	1.5	1.5	2	2	2	3	3	3	3	4	4	3x2	3x2	4x2	4x2	4x2	4x2
b(inch)	1.25	1.25	1.5	1.5	2	2	2	3	3	3	3	4	4	3x2	3x2	4x2	4x2	4x2	4x2
c(inch)	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5
Net(kg)	70	82	93	112	148	160	182	213	255	283	320	365	402	476	591	643	705	778	839

Heating section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
DN(inch)	1.25	1.25	1.25	1.25	1.25	1.5	1.5	1.5	1.5	2	2	2	2	1.5x2	1.5x2	1.5x2	2x2	2x2	2x2
Net(kg)	45	67	80	89	101	115	130	160	194	218	256	288	301	368	452	501	565	618	662



Surface cooling section



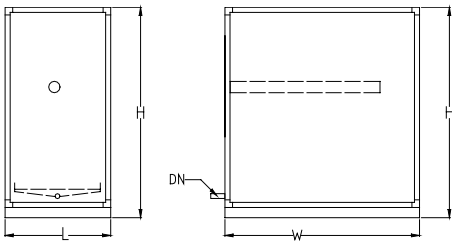
Heating section

Humidifier section

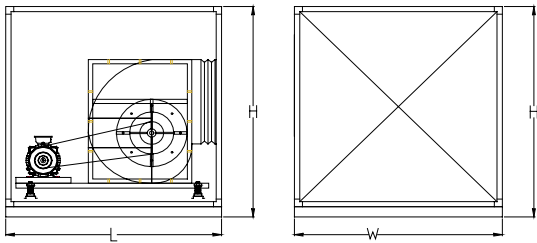
Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	800	800	800	800	800	800	1000	1000	1000	1000	1000	1000	1000	1200	1200	1200	1200	1200	1200
DN(inch)	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5
Net(kg)	76	99	103	114	120	138	165	172	211	233	252	269	289	365	419	460	527	568	595

Fan section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	800	900	1000	1100	1150	1250	1350	1400	1500	1600	1750	1750	1850	2050	2250	2250	2400	2600	2850
Net(kg)	109	143	172	202	214	254	308	368	415	497	617	719	867	1024	1279	1392	1703	1797	2015



Humidifier section



Fan section

Rotary heat recovery exchanger

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	500	500	500	500	600	600	600	600	600	600	700	700	700	700	700	700	700	700	700
Net(kg)	210	292	348	392	495	538	579	673	789	884	1289	1405	1579	1804	1977	2367	2470	2672	2843

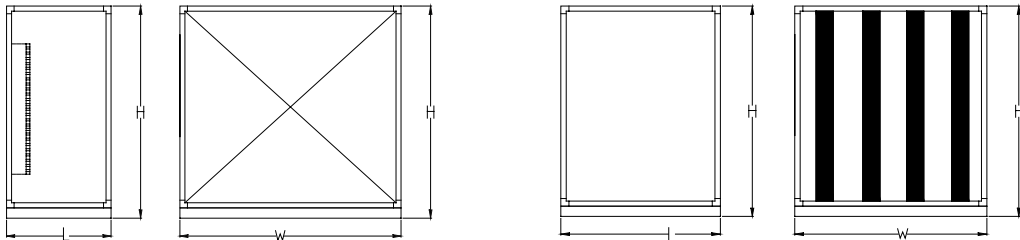
Modular Air Handling Unit

Equality air supply section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	500	500	500	500	600	600	600	600	800	800	800	800	800	1000	1000	1000	1000	1000	1000
Net(kg)	42	61	67	80	91	98	112	121	166	176	189	209	237	301	357	397	427	465	498

Noise reduction section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950
	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
Net(kg)	132	180	236	255	284	309	348	392	489	565	648	701	798	953	1086	1167	1387	1464	1592



Equality air supply section

Noise reduction section

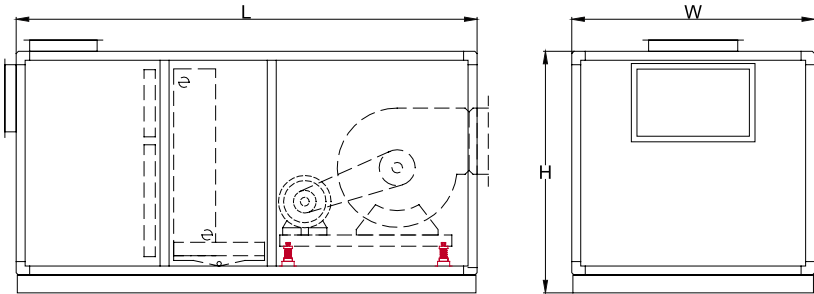
Air supply section

Model	LZK2	LZK4	LZK6	LZK8	LZK10	LZK12	LZK15	LZK18	LZK20	LZK25	LZK30	LZK35	LZK40	LZK50	LZK60	LZK70	LZK80	LZK90	LZK100
Air flow (m³/h)	2000	4000	6000	8000	10000	12000	15000	18000	20000	25000	30000	35000	40000	50000	60000	70000	80000	90000	100000
W(mm)	780	1150	1150	1400	1400	1500	1750	1750	2050	2050	2350	2350	2750	2750	3350	3350	3700	3700	3700
H(mm)	780	860	1150	1150	1400	1500	1500	1750	1750	2050	2050	2350	2350	2750	2750	3050	3050	3350	3700
L(mm)	600	600	600	600	600	600	600	600	800	800	800	800	800	1000	1000	1000	1000	1000	1000
a(mm)	300	300	400	400	450	450	500	500	600	600	650	650	700	800	800	850	850	900	900
b(mm)	400	500	600	800	1000	1100	1200	1300	1400	1550	1750	1950	2100	2200	2400	2600	2800	3000	3200
Net(kg)	46	68	75	84	93	99	113	123	167	178	197	211	236	312	361	403	432	460	493

Assembly type air conditioner normal model(Horizontal type)

Assembly type air handling unit normal model One

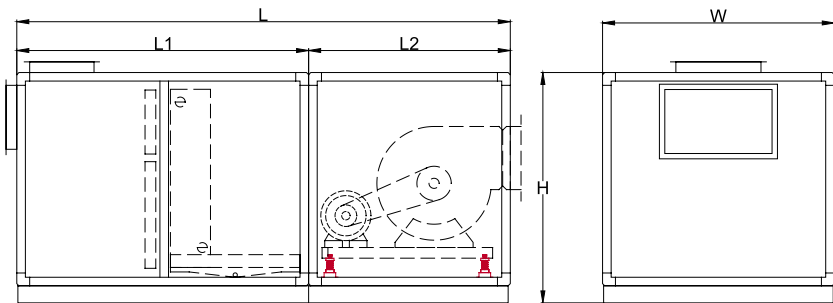
Type I (mixing section + primary filtering section + surface cooling section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	Net(kg)
LZK2	2000	780	780	2000	153
LZK4	4000	1150	860	2100	265
LZK6	6000	1150	1150	2200	302
LZK8	8000	1400	1150	2300	370
LZK10	10000	1400	1400	2450	428
LZK12	12000	1500	1500	2550	465
LZK15	15000	1750	1500	2650	538
LZK18	18000	1750	1750	2700	624
LZK20	20000	2050	1750	2900	713
LZK25	25000	2050	2050	3000	834

Assembly type air handling unit normal model One

Type II (mixing section + primary filtering section + surface cooling section + fan section)

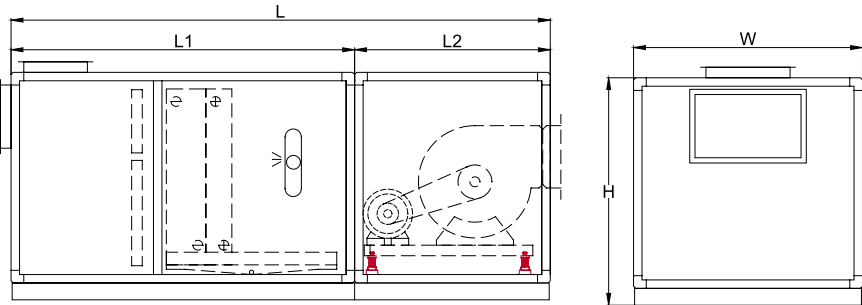


Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	Net(kg)
LZK30	30000	2350	2050	3250	1500	1750	1020
LZK35	35000	2350	2350	3250	1500	1750	1176
LZK40	40000	2750	2350	3350	1500	1850	1335
LZK50	50000	2750	2750	3750	1700	2050	1628
LZK60	60000	3350	2750	3950	1700	2250	1935
LZK70	70000	3350	3050	3950	1700	2250	2146
LZK80	80000	3700	3050	4100	1700	2400	2509
LZK90	90000	3700	3350	4300	1700	2600	2687
LZK100	100000	3700	3700	4550	1700	2850	2938

Modular Air Handling Unit

Assembly type air handling unit normal model Two

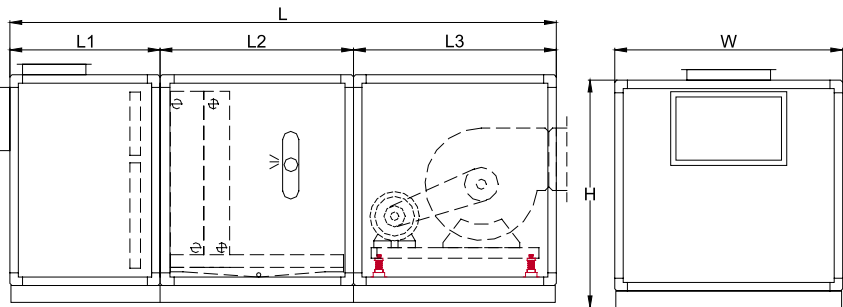
Type I (mixing section + primary filtering section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	Net(kg)
LZK2	2000	780	780	2600	1800	800	213
LZK4	4000	1150	860	2700	1800	900	337
LZK6	6000	1150	1150	2800	1800	1000	375
LZK8	8000	1400	1150	2900	1800	1100	446
LZK10	10000	1400	1400	3050	1900	1150	518
LZK12	12000	1500	1500	3150	1900	1250	550
LZK15	15000	1750	1500	3250	1900	1350	642
LZK18	18000	1750	1750	3300	1900	1400	743
LZK20	20000	2050	1750	3600	2100	1500	883
LZK25	25000	2050	2050	3700	2100	1600	1002
LZK30	30000	2350	2050	3850	2100	1750	1146
LZK35	35000	2350	2350	3850	2100	1750	1329
LZK40	40000	2750	2350	3950	2100	1850	1512

Assembly type air handling unit normal model Two

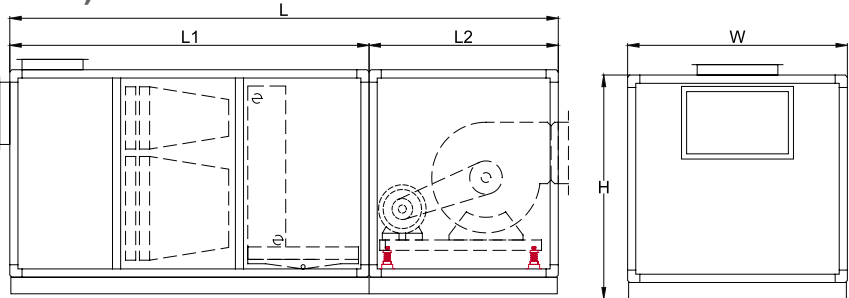
Type II (mixing section + primary filtering section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	Net(kg)
LZK50	50000	2750	2750	4650	1400	1200	2050	1803
LZK60	60000	3350	2750	4850	1400	1200	2250	2205
LZK70	70000	3350	3050	4850	1400	1200	2250	2377
LZK80	80000	3700	3050	5000	1400	1200	2400	2780
LZK90	90000	3700	3350	5200	1400	1200	2600	3005
LZK100	100000	3700	3700	5450	1400	1200	2850	3379

Assembly type air handling unit normal model Three

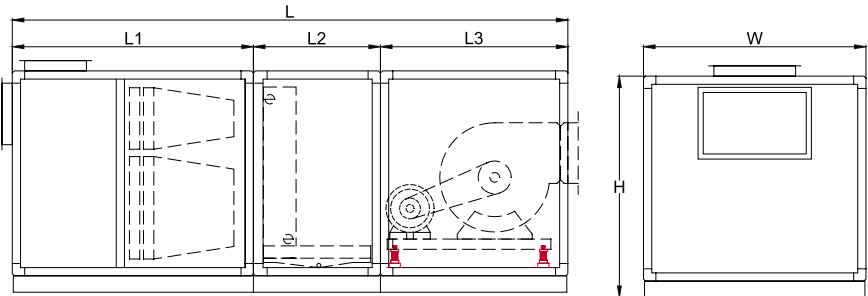
Type I (mixing section + primary filtering section + middle filtering section + surface cooling section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	Net(kg)
LZK2	2000	780	780	2600	1800	800	212
LZK4	4000	1150	860	2700	1800	900	315
LZK6	6000	1150	1150	2800	1800	1000	361
LZK8	8000	1400	1150	2900	1800	1100	427
LZK10	10000	1400	1400	3050	1900	1150	482
LZK12	12000	1500	1500	3150	1900	1250	515
LZK15	15000	1750	1500	3250	1900	1350	613
LZK18	18000	1750	1750	3300	1900	1400	704
LZK20	20000	2050	1750	3600	2100	1500	812
LZK25	25000	2050	2050	3700	2100	1600	950
LZK30	30000	2350	2050	3850	2100	1750	1123
LZK35	35000	2350	2350	3850	2100	1750	1264
LZK40	40000	2750	2350	3950	2100	1850	1452

Assembly type air handling unit normal model Three

Type II (mixing section + primary filtering section + middle filtering section + surface cooling section + fan section)

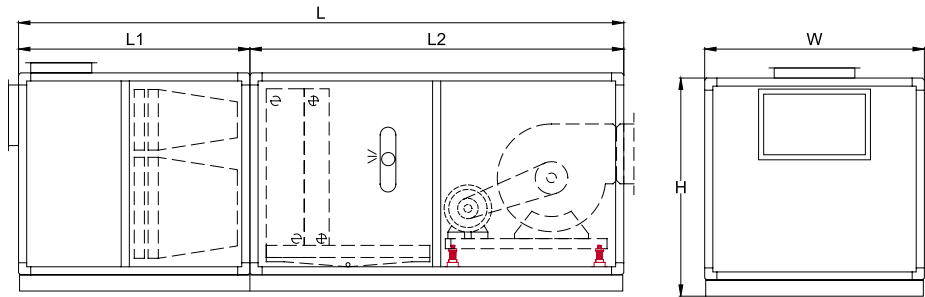


Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	Net(kg)
LZK50	50000	2750	2750	4650	1800	800	2050	1789
LZK60	60000	3350	2750	4850	1800	800	2250	2136
LZK70	70000	3350	3050	4850	1800	800	2250	2373
LZK80	80000	3700	3050	5000	1800	800	2400	2765
LZK90	90000	3700	3350	5200	1800	800	2600	2901
LZK100	100000	3700	3700	5450	1800	800	2850	3174

Modular Air Handling Unit

Assembly type air handling unit normal model Four

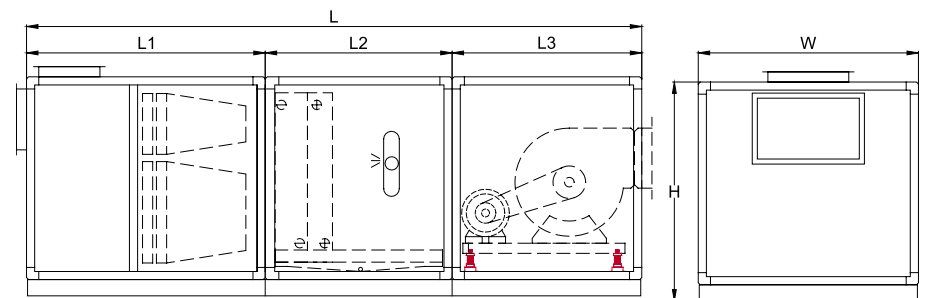
Type I (mixing section + primary filtering section + middle filtering section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	Net(kg)
LZK2	2000	780	780	3200	1200	2000	241
LZK4	4000	1150	860	3300	1200	2100	373
LZK6	6000	1150	1150	3400	1200	2200	425
LZK8	8000	1400	1150	3500	1200	2300	512
LZK10	10000	1400	1400	3750	1300	2450	574
LZK12	12000	1500	1500	3850	1300	2550	601
LZK15	15000	1750	1500	3950	1300	2650	706
LZK18	18000	1750	1750	3900	1300	2600	812
LZK20	20000	2050	1750	4200	1500	2700	953
LZK25	25000	2050	2050	4300	1500	2800	1075

Assembly type air handling unit normal model Four

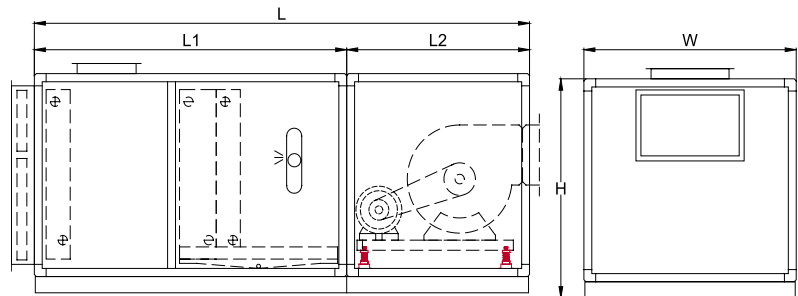
Type II (mixing section + primary filtering section + middle filtering section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	Net(kg)
LZK30	30000	2350	2050	4550	1600	1200	1750	1253
LZK35	35000	2350	2350	4550	1600	1200	1750	1417
LZK40	40000	2750	2350	4650	1600	1200	1850	1573
LZK50	50000	2750	2750	5250	1800	1400	2050	1903
LZK60	60000	3350	2750	5450	1800	1400	2250	2339
LZK70	70000	3350	3050	5450	1800	1400	2250	2539
LZK80	80000	3700	3050	5600	1800	1400	2400	2946
LZK90	90000	3700	3350	5800	1800	1400	2600	3218
LZK100	100000	3700	3700	6050	1800	1400	2850	3512

Assembly type air handling unit normal model Five

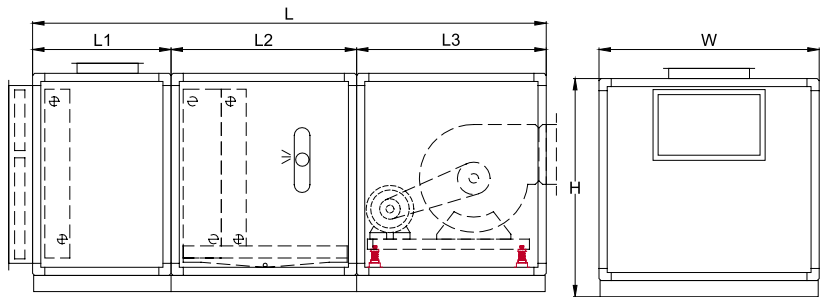
Type I (primary filtering section + pre-heating section + mixing section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	Net(kg)
LZK2	2000	780	780	2600	1800	800	241
LZK4	4000	1150	860	2700	1800	900	338
LZK6	6000	1150	1150	2800	1800	1000	429
LZK8	8000	1400	1150	2900	1800	1100	493
LZK10	10000	1400	1400	3050	1900	1150	571
LZK12	12000	1500	1500	3150	1900	1250	601
LZK15	15000	1750	1500	3250	1900	1350	708
LZK18	18000	1750	1750	3300	1900	1400	807
LZK20	20000	2050	1750	3400	1900	1500	937
LZK25	25000	2050	2050	3500	1900	1600	1065
LZK30	30000	2350	2050	3650	1900	1750	1237
LZK35	35000	2350	2350	3650	1900	1750	1438
LZK40	40000	2350	2350	3750	1900	1850	1609

Assembly type air handling unit normal model Five

Type II (primary filtering section + pre-heating section + mixing section + surface cooling section + heating section + humidifier section + fan section)

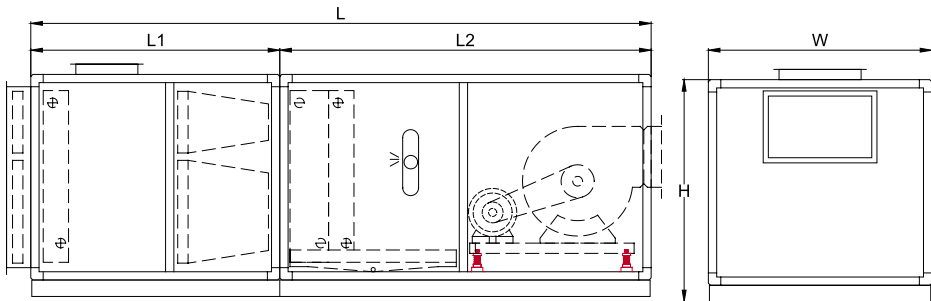


Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	Net(kg)
LZK50	50000	2750	2750	4650	1200	1400	2050	1956
LZK60	60000	3350	2750	4850	1200	1400	2250	2425
LZK70	70000	3350	3050	4850	1200	1400	2250	2608
LZK80	80000	3700	3050	5000	1200	1400	2400	3038
LZK90	90000	3700	3350	5200	1200	1400	2600	3287
LZK100	100000	3700	3700	5450	1200	1400	2850	3625

Modular Air Handling Unit

Assembly type air handling unit normal model Six

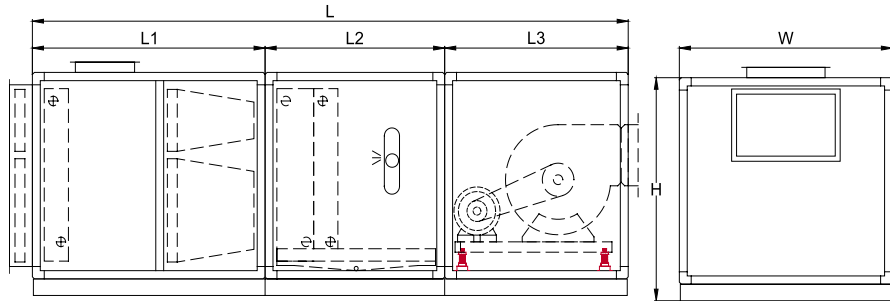
Type I (primary filtering section + pre-heating section + mixing section + middle filtering section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	Net(kg)
LZK2	2000	780	780	3300	1300	2000	253
LZK4	4000	1150	860	3400	1300	2100	390
LZK6	6000	1150	1150	3500	1300	2200	448
LZK8	8000	1400	1150	3600	1300	2300	527
LZK10	10000	1400	1400	3850	1400	2450	602
LZK12	12000	1500	1500	3950	1400	2550	633
LZK15	15000	1750	1500	4050	1400	2650	719
LZK18	18000	1750	1750	4000	1400	2600	865
LZK20	20000	2050	1750	4300	1600	2700	1002
LZK25	25000	2050	2050	4400	1600	2800	1127

Assembly type air handling unit normal model Six

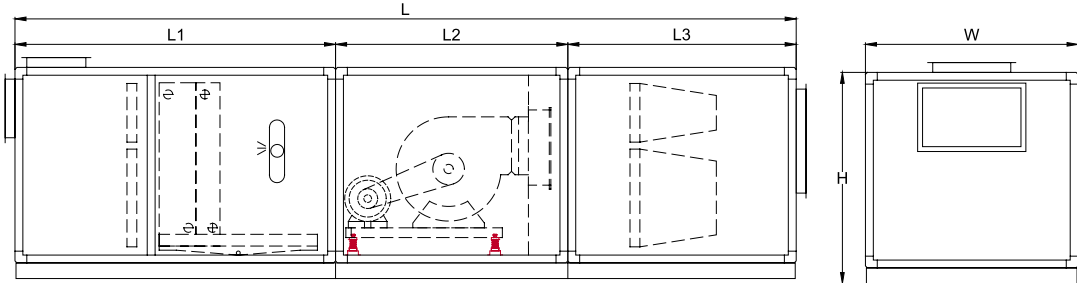
Type II (primary filtering section + pre-heating section + mixing section + middle filtering section + surface cooling section + heating section + humidifier section + fan section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	Net(kg)
LZK30	30000	2350	2050	4550	1600	1200	1750	1306
LZK35	35000	2350	2350	4550	1600	1200	1750	1475
LZK40	40000	2750	2350	4650	1600	1200	1850	1683
LZK50	50000	2750	2750	5250	1800	1400	2050	2008
LZK60	60000	3350	2750	5450	1800	1400	2250	2437
LZK70	70000	3350	3050	5450	1800	1400	2250	2672
LZK80	80000	3700	3050	5600	1800	1400	2400	3153
LZK90	90000	3700	3350	5800	1800	1400	2600	3365
LZK100	100000	3700	3700	6050	1800	1400	2850	3768

Assembly type air handling unit normal model Seven

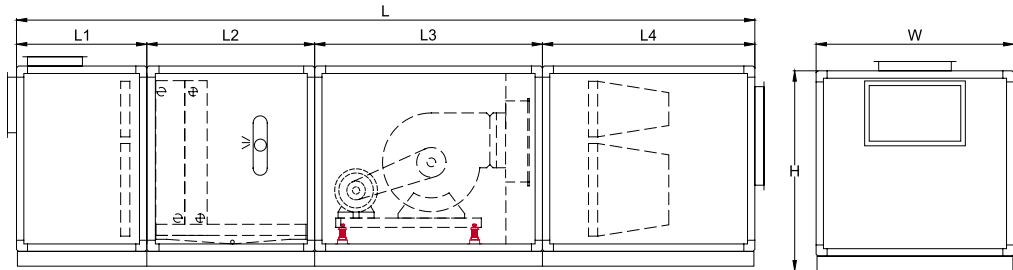
Type I (mixing section + primary filtering section + surface cooling section + heating section + humidifier section + fan section + equality air supply section + middle filtering section + air supply section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	Net(kg)
LZK2	2000	780	780	4500	1800	1200	1500	260
LZK4	4000	1150	860	4600	1800	1300	1500	401
LZK6	6000	1150	1150	4700	1800	1400	1500	453
LZK8	8000	1400	1150	4900	1800	1500	1600	524
LZK10	10000	1400	1400	5050	1900	1550	1600	619
LZK12	12000	1500	1500	5150	1900	1650	1600	662
LZK15	15000	1750	1500	5250	1900	1750	1600	768
LZK18	18000	1750	1750	5300	1900	1800	1600	873
LZK20	20000	2050	1750	5600	1900	1900	1800	976
LZK25	25000	2050	2050	5900	2100	2000	1800	1138
LZK30	30000	2350	2050	6050	2100	2150	1800	1356
LZK35	35000	2350	2350	6050	2100	2150	1800	1563
LZK40	40000	2750	2350	6150	2100	2250	1800	1735

Assembly type air handling unit normal model Seven

Type II (mixing section + primary filtering section + surface cooling section + heating section + humidifier section + fan section + equality air supply section + middle filtering section + air supply section)



Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	Net(kg)
LZK50	50000	2750	2750	6950	1200	1400	2350	2000	1962
LZK60	60000	3350	2750	7150	1200	1400	2550	2000	2562
LZK70	70000	3350	3050	7150	1200	1400	2550	2000	2793
LZK80	80000	3700	3050	7300	1200	1400	2700	2000	3260
LZK90	90000	3700	3350	7500	1200	1400	2900	2000	3532
LZK100	100000	3700	3700	7750	1200	1400	3150	2000	3876

Modular Air Handling Unit

Assembly type air handling unit normal model Eight

Type I (air return section + distributary section + primary filtering section + surface cooling section + heating section + humidifier section + fan section + equality air supply section + middle filtering section + air supply section)

Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	Net(kg)
LZK2	2000	780	780	5300	1200	1400	1200	1500	343
LZK4	4000	1150	860	5500	1300	1400	1300	1500	506
LZK6	6000	1150	1150	5700	1400	1400	1400	1500	591
LZK8	8000	1400	1150	6000	1500	1400	1500	1600	690
LZK10	10000	1400	1400	6250	1600	1500	1550	1600	796
LZK12	12000	1500	1500	6350	1600	1500	1650	1600	848
LZK15	15000	1750	1500	6550	1700	1500	1750	1600	976
LZK18	18000	1750	1750	6650	1750	1500	1800	1600	1156
LZK20	20000	2050	1750	7000	1800	1500	1900	1800	1302
LZK25	25000	2050	2050	7150	1850	1500	2000	1800	1486
LZK30	30000	2350	2050	7350	1900	1500	2150	1800	1759
LZK35	35000	2350	2350	7600	2150	1500	2150	1800	2003
LZK40	40000	2750	2350	7850	2300	1500	2250	1800	2283

Assembly type air handling unit normal model Eight

Type II (air return section + distributary section + primary filtering section + surface cooling section + heating section + humidifier section + fan section + equality air supply section + middle filtering section + air supply section)

Model	Air flow(m³/h)	W(mm)	H(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	Net(kg)
LZK50	50000	2750	2750	8750	2700	1700	2350	2000	2763
LZK60	60000	3350	2750	9050	2800	1700	2550	2000	3369
LZK70	70000	3350	3050	9050	2800	1700	2550	2000	3675
LZK80	80000	3700	3050	9400	3000	1700	2700	2000	4316
LZK90	90000	3700	3350	9700	3100	1700	2900	2000	4638
LZK100	100000	3700	3700	10150	3300	1700	3150	2000	5193

Assembly type air conditioner normal model(Vertical type)

Assembly type air handling unit normal model One

Type I (mixing section + primary filtering section + surface cooling section + fan section)

Model	Air flow(m³/h)	W(mm)	H(mm)	H1(mm)	H2(mm)	L(mm)	Net(kg)
LZK2	2000	780	1330	780	550	1300	182
LZK4	4000	1150	1470	860	610	1300	293
LZK6	6000	1150	1850	1150	700	1300	319
LZK8	8000	1400	1900	1150	750	1300	393
LZK10	10000	1400	2210	1400	810	1400	467
LZK12	12000	1500	2380	1500	880	1400	493
LZK15	15000	1750	2450	1500	950	1400	576
LZK18	18000	1750	2770	1750	1020	1400	681
LZK20	20000	2050	2770	1750	1020	1600	802
LZK25	25000	2050	3170	2050	1120	1600	907
LZK30	30000	2350	3280	2050	1230	1600	1048
LZK35	35000	2350	3580	2350	1230	1600	1216
LZK40	40000	2750	3700	2350	1350	1600	1382

Assembly type air handling unit normal model Two

Type I (mixing section + primary filtering section + surface cooling section + heating section + humidifier section + fan section)

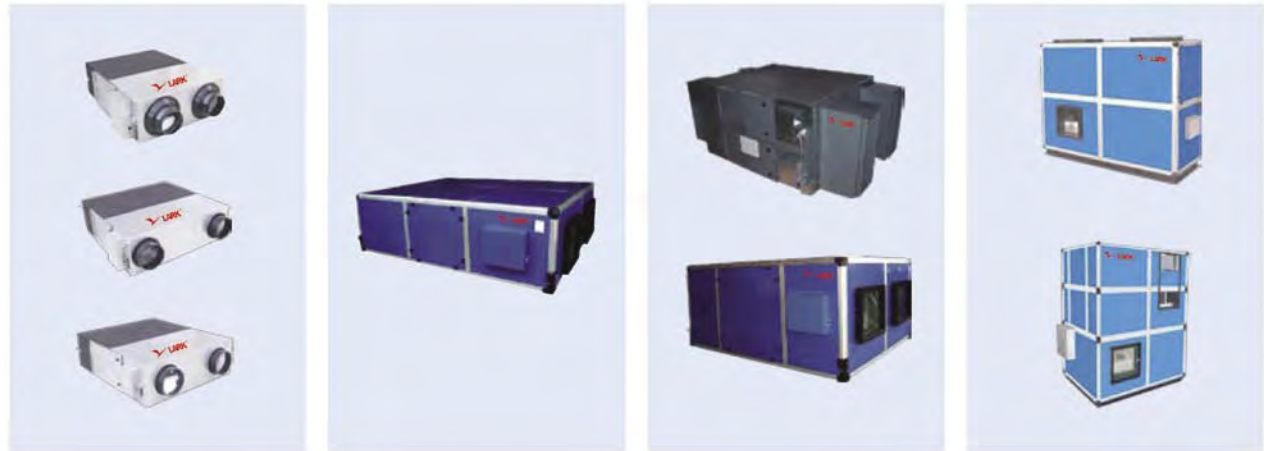
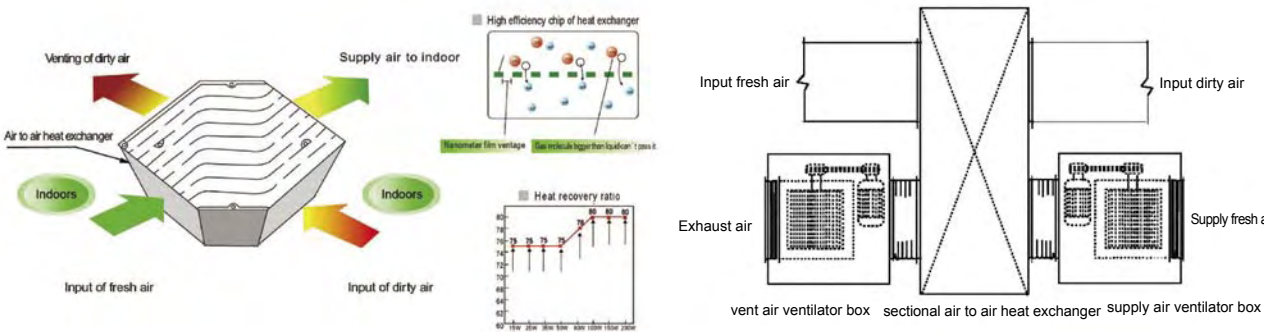
Model	Air flow(m³/h)	W(mm)	H(mm)	H1(mm)	H2(mm)	L(mm)	Net(kg)
LZK2	2000	780	1330	780	550	1900	226
LZK4	4000	1150	1470	860	610	1900	352
LZK6	6000	1150	1850	1150	700	1900	392
LZK8	8000	1400	1900	1150	750	1900	468
LZK10	10000	1400	2210	1400	810	2000	542
LZK12	12000	1500	2380	1500	880	2000	576
LZK15	15000	1750	2450	1500	950	2000	667
LZK18	18000	1750	2770	1750	1020	2000	786
LZK20	20000	2050	2770	1750	1020	2200	903
LZK25	25000	2050	3170	2050	1120	2200	1007
LZK30	30000	2350	3280	2050	1230	2200	1183
LZK35	35000	2350	3580	2350	1230	2200	1376
LZK40	40000	2750	3700	2350	1350	2200	1508

Assembly type air handling unit normal model Three

Type I (mixing section + primary filtering section + middle filtering section + surface cooling section + fan section)

Model	Air flow(m³/h)	W(mm)	H(mm)	H1(mm)	H2(mm)	L(mm)	Net(kg)
LZK2	2000	780	1330	780	550	1900	258
LZK4	4000	1150	1470	860	610	1900	412
LZK6	6000	1150	1850	1150	700	1900	468
LZK8	8000	1400	1900	1150	750	1900	546
LZK10	10000	1400	2210	1400	810	2000	621
LZK12	12000	1500	2380	1500	880	2000	663
LZK15	15000	1750	2450	1500	950	2000	783
LZK18	18000	1750	2770	1750	1020	2000	893
LZK20	20000	2050	2770	1750	1020	2200	993
LZK25	25000	2050	3170	2050	1120	2200	1186
LZK30	30000	2350	3280	2050	1230	2200	1362
LZK35	35000	2350	3580	2350	1230	2200	1547
LZK40	40000	2750	3700	2350	1350	2200	1793

Heat Recovery Ventilation



- Low noise
- Slim design
- High efficient filtration
- Independent control system
- More than 75% of heat recovery efficiency
- 50Hz/60Hz, ceiling & standing type, large range

•Total heat exchange mode

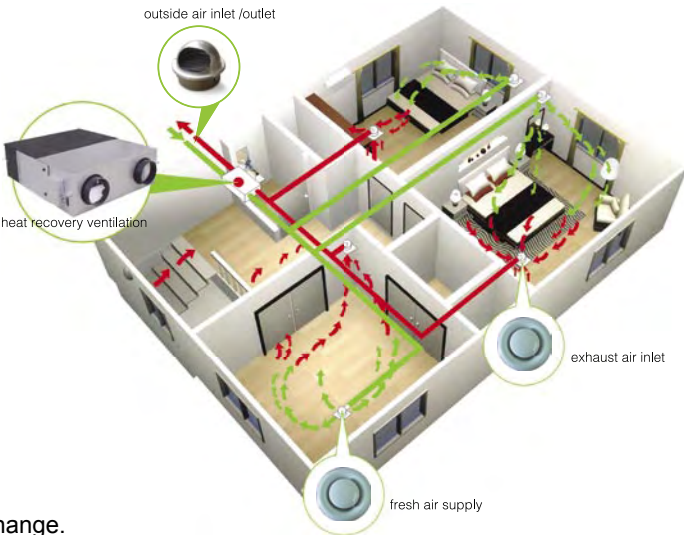
In total heat exchange mode, the ventilator will exchange the heat between indoor exhaust air and outdoor fresh air through a heat exchange element.

•Bypass function

During summer and autumn, on bypass function, the outdoor fresh air can be brought directly into the room instead through the heat exchange.

•Fresh air

Even the ventilator is installed independently from air conditioning system, it also will recover heat energy by means of ventilation to offer you a clean and fresh environment.



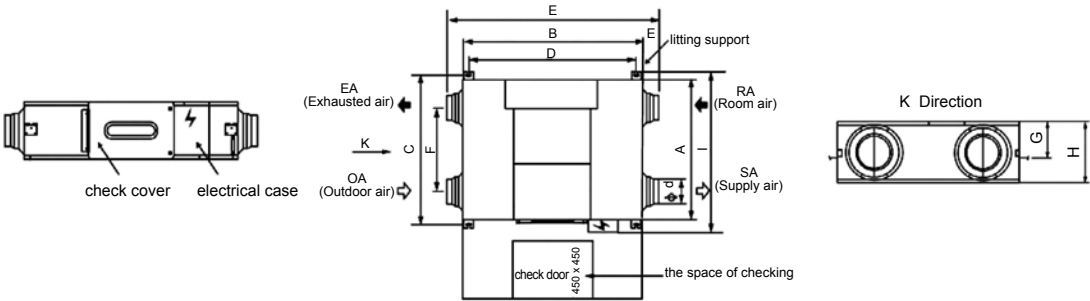
LHE-15WB
LHE-15W
LHE-25W
LHE-35W
LHE-50W
LHE-80W
LHE-100W

50Hz 60Hz

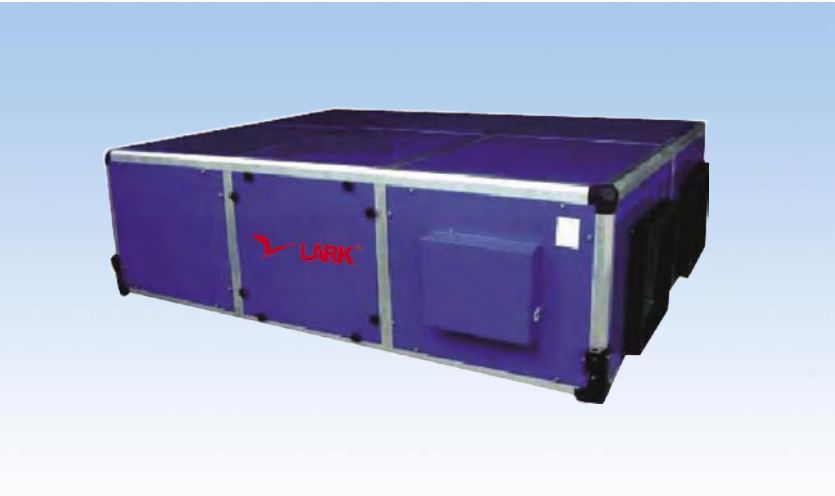
Model	LHE-15WB	LHE-15W	LHE-25W	LHE-35W	LHE-50W	LHE-80W	LHE-100W
Power supply(V/PH/Hz)	220-240,1~,50/60						
Air flow (m³/h)	150/150/110	150/150/115	250/250/160	350/350/270	500/500/360	800/800/625	1000/780/650
ESP(Pa)	60/45/30	75/58/34	85/65/30	90/60/30	100/60/30	150/100/40	115/75/35
Heat recovery efficiency(%)	65/65/68	71/71/75	71/71/75	71/71/75	71/71/75	71/71/75	71/71/75
Rated power consumption(W)	40/38/32	72/60/50	105/100/80	140/125/115	190/175/150	320/273/205	450/375/330
Noise level dB(A)	24/23/22	26/24/22	27/26/22	31/29/25	33/31/27	38/36/32	39/37/33
Net weight(kg)	18	19	21	31	50	61	80
Packing dimension(mm)	600×500×230	1120×630×350	1120×840×350	1120×1000×350	1170×1160×390	1530×1050×170	1530×1320×170

50Hz 60Hz

Model	A	B	C	D	E	F	G	H	I	Φd
LHE-15WB	400	545	430	406	642	264	30	200	486	100
LHE-15W	505	885	559	815	1042	252	112	270	619	100
LHE-25W	670	885	720	815	1075	342	112	270	784	150
LHE-35W	810	885	860	815	1075	482	112	270	924	150
LHE-50W	904	962	860	890	1128	500	380	310	950	200
LHE-80W	885	1322	936	1252	1488	430	172	396	1000	250
LHE-100W	1132	1322	1186	1252	1488	681	172	396	1246	250



Heat Recovery Ventilation



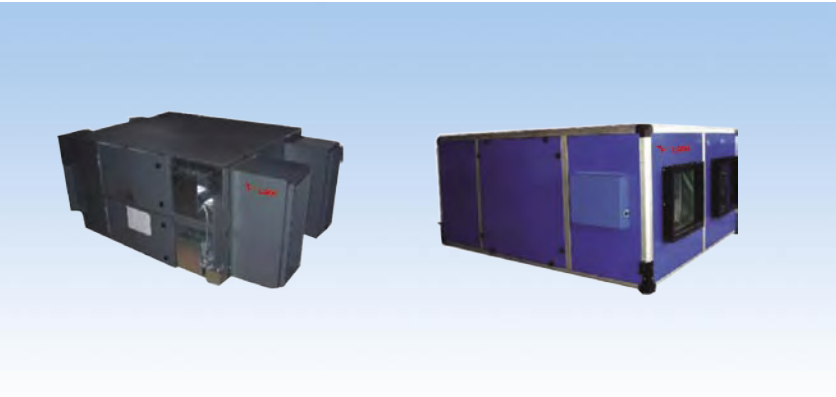
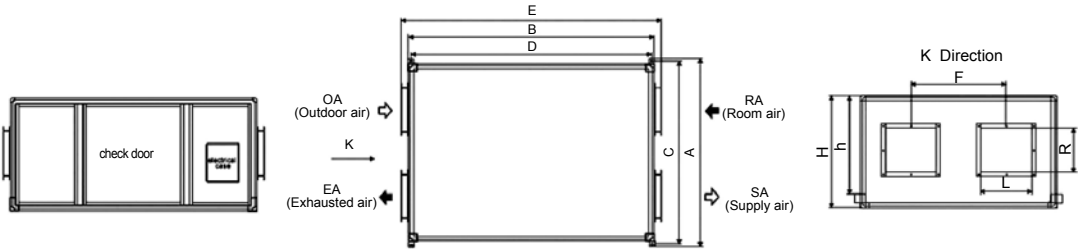
LHE-150WB
LHE-200WB
LHE-250WB
LHE-300WB

50Hz 60Hz

Model	LHE-150WB	LHE-200WB	LHE-250WB	LHE-300WB
Power supply(V/PH/Hz)	220-240,1~,50/60			
Air flow (m³/h)	1500	2000	2500	3000
ESP(Pa)	180	200	250	250
Heat recovery efficiency(%)	70	70	70	70
Rated power consumption(kW)	0.25×2	0.45×2	0.55×2	0.8×2
Noise level dB(A)	46	46.5	54	58
Net weight(kg)	90	110	180	252

50Hz 60Hz

Apearance & installation size(mm)									
Model	A	B	C	D	E	F	H	h	L×R
LHE-150WB	1020	1480	944	1443	1580	430	558	360	230×220
LHE-200WB	1220	1480	1144	1443	1580	530	558	360	300×220
LHE-250WB	1420	1620	1344	1583	1720	630	558	360	320×250
LHE-300WB	1620	1850	1544	1813	1950	730	558	360	356×305

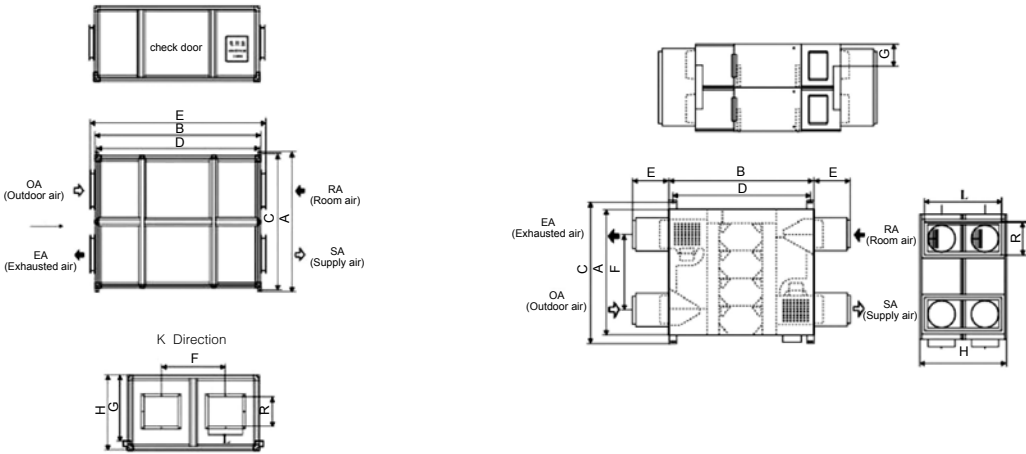


LHE-150W
LHE-200W
LHE-250W
LHE-300W
LHE-400W

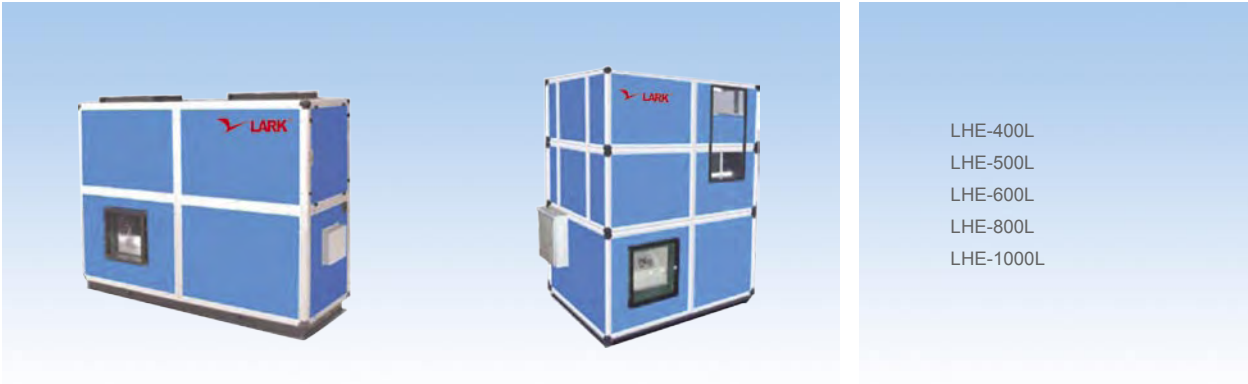
50Hz 60Hz

Model	LHE-150W	LHE-200W	LHE-250W	LHE-300W	LHE-400W
Power supply(V/PH/Hz)	220-240,1~,50/60				380-415,3~,50/60
Air flow (m³/h)	1500/1200/980	2000/1500/1300	2500	3000	4000
ESP(Pa)	135/100/60	90/70/45	250	250	320
Heat recovery efficiency(%)	70/72/75	70/72/75	70	70	70
Rated power consumption(W)	887/880/860	920/750/690	1100	1600	2600
Noise level dB(A)	48/46/43	48/46.5/43	54	58	60
Net weight(kg)	155	180	185	252	330

Apearance & installation size(mm)									
Model	A	B	C	D	E	F	G	H	L×R
LHE-150W	882	1322	1005	1250	330	431	200	800	250×600
LHE-200W	1132	1322	1258	1250	330	681	200	800	250×600
LHE-250W	1238	1700	1198	1640	1800	550	610	805	320×250
LHE-300W	1458	1700	1418	1640	1800	660	610	805	320×250
LHE-400W	1898	1850	1862	1813	1950	889	610	805	310×310



Heat Recovery Ventilation



LHE-400L
LHE-500L
LHE-600L
LHE-800L
LHE-1000L

50Hz 60Hz

Model	LHE-400L	LHE-500L	LHE-600L	LHE-800L	LHE-1000L
Power supply(V/PH/Hz)	380-415,3~,50/60				
Air flow (m³/h)	4000	5000	6000	8000	10000
ESP(Pa)	320	320	320	350	350
Heat recovery efficiency(%)	72	72	72	72	72
Rated power consumption(W)	1.1×2	1.5×2	1.8×2	2.2×2	3.0×2
Noise level dB(A)	64	65	66	68	69
Net weight(kg)	350	385	650	950	1150

Apearance & installation size(mm)										
Model	A	B	C	D	E	F	G	H	L×R	L1×R1
LHE- 400L	1850	790	1930	890	50	835	1600	1680	350×400	320×500
LHE- 500L	2250	790	2330	890	50	1125	1600	1680	350×400	320×600
LHE- 600L	2550	790	2630	890	50	1265	1600	1680	400×450	320×700
LHE- 800L	1850	1700	1950	1500	100	1290	2455	2555	1250×500	320×500
LHE- 1000L	2250	1700	2350	1500	100	1330	2535	2635	1250×500	400×500

We supply you not only the cooled air, also the solutions to be qualified.

Unitry exchange table

POWER	1kW=1KJ/s=0.284RT=860 kCal/h=3412BTU/h
LENGTH	1m=1000mm=3.28ft=1.09yard 1inch=25.4mm
CUBAGE	1 m³=1000L 1L=1.76pt=0.22gal
WEIGHT	1kg=2.20 lb
FLOW	1l/s=2.12CFM=15.85GPM =3.6m³/h
PRESSURE	1 inch H₂O =249Pa 1bar=10⁵Pa=10.9m H₂O =35.8 ft H₂O 1psi=6895 Pa 1kgf/cm²=98070Pa
TEMPERATURE	$^{\circ}\text{C} = \frac{5(^{\circ}\text{F}-32)}{9}$ $^{\circ}\text{F} = \frac{9^{\circ}\text{C}}{5} + 32$

