

## Control System Lineup

Control system / Product Series			Scroll Chiller			
			D series	E series	A series	B series
Packaged accessory	CF158		○	○		
	XE75-25/G				○	○
Remote monitoring system	FG30-00/A(M)		●	●	●	
BMS	CF614		○	○	○	○

Note: ● means standard ○ means optional.

## Screw Chiller

### LME Series Air-Cooled Screw Chiller

It is a kind of air-cooled screw chillers that can be connected to all sorts of fan coil units to realize cooling/heating for civil or industrial buildings.



Golden fin condenser



Inner groove copper



Comprehensive protection



Self-diagnosis



Memory function



24 hour timer



Long-distance monitoring



Modular structure

- Thanks to V-shape fin structure, unit features small refrigerant pressure loss.
- With flooded type shell-and-tube design, evaporating temperature is increased, hence improving the heat exchanging efficiency and energy efficiency.
- Unit adopts low noise fan blades and specialized compressor noise reduction device, therefore sound level falls to 5dB(A) lower than the 2nd generation.
- Due to the totally-enclosed design, its appearance is harmonious and nice-looking.

Item	Water side (water temperature)				Air side (outdoor temperature)		
	Nominal operating condition		Operating range		Nominal operating condition		Operating range
	Inlet(°C)	Outlet(°C)	Outlet(°C)	I/O difference(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	12	7	5~15	2.5~8	35	-	18~52

# Features

## Special Flooded Screw Compressor

- Special flooded screw compressor

A. Apply special motor that can be up to Grade F with thermostability of 155°C.

B. No speed-up gear mechanism design: twin screw compressor adopts direct-connected driving motor for reducing driving efficiency loss and for a more compact structure.

C. Motor of compressor is cooled down through diluent cooling of gas-absorbing cavity to lower the temperature of motor, and ensure diluent cooling of refrigeration oil. It can prevent decrease of insulativity due to high temperature of motor; otherwise the motor will be burnt.

D. Built-in air exhaust check valve: it can prevent back flow of refrigerant when the unit closes down; built-in oil separator and oil heater for ensuring oil return.

E. Slide valve stepless adjustment for exact match of cooling output and load of compressor.

F. High accuracy SKF shaft bearing: This twin screw compressor adopts high accuracy SKF shaft bearing so that the clearance of compressor can be smaller, transmission efficiency will be higher, energy efficiency ratio of compressor will be higher, and service life of compressor will be longer.



- Reliable compressor operating range control technology (first-created in the industry)

The built-in pressure transducer and current transformer can conduct comprehensive control of high pressure, low pressure, current of compressor, and air exhaust temperature, so as to ensure reliable operation of compressor within the operating range.

- Compressor motor cool-down technology (first-created in the industry)

Adopt electronic expansion valve control with wide adjustment range, which can precisely control gas absorbing and liquid spray volume; apply PD control method to feed back liquid spray information in advance to achieve fast adjustment and cool down motor directly, which can control temperature of motor and ensure reliability and performance of compressor

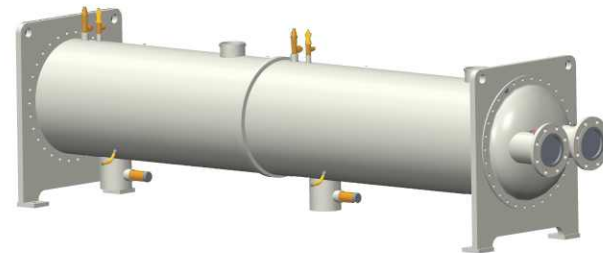
## Jet-Air Self-developed Vertical Oil Separator

Adopt external oil separator design, apply four-stage (rotate separation, collision, natural sedimentation, filter separation) separating technology to ensure adequate filtration of refrigeration oil discharged from compressor, and prevent the refrigeration oil from leakage. The actual measurement efficiency of oil separation is up to 99.97%.



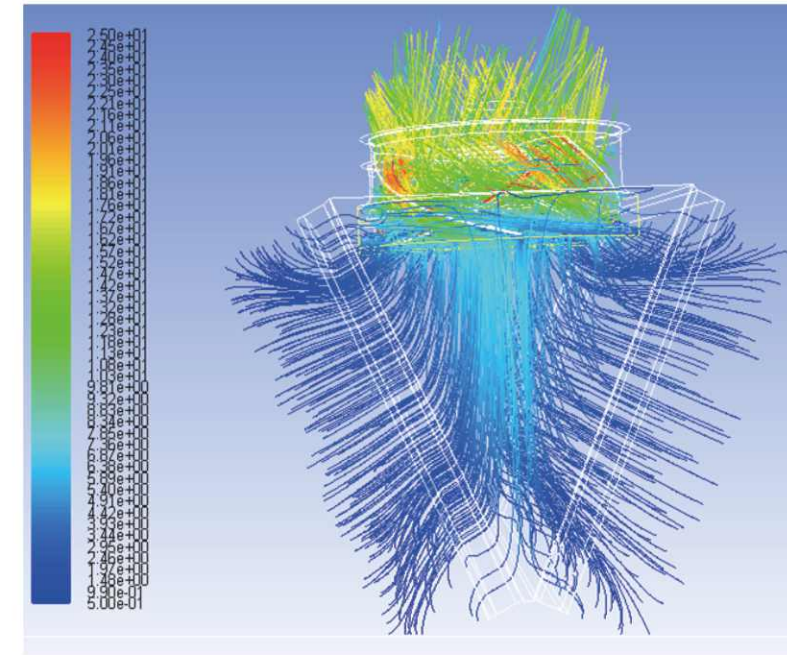
## Energy-saving

- Flooded shell and tube design: adopt TURBO-BII evaporator that the evaporating pipe is soaking in liquid refrigerant for improving heat transfer capacity and cooling efficiency; the evaporating temperature is higher than 5.5°C; chilled water passes through the tube for reducing flowage pressure loss of water side and reduce energy consumption of water pump. This evaporator works with the high-performance and reliable special screw compressor, which can greatly improve cooling capacity and energy efficiency ratio of unit.



- Independent design of multiple compressors and multiple systems: it has four independent systems at most, with high energy efficiency of partial loading; the compressor adopts Y-Δ start-up with low start-up current.

- V shape condenser design: adopt V-shape layout with the best angle and the best air volume for more even distribution of air flow; adopt ripple fenestration aluminous condensing fin for higher heat exchange efficiency.



- Circulating design of economizer \*(optional): auxiliary refrigerant of economizer conducts heat exchange with main refrigerant, to improve condenser depression of refrigerant when the main refrigerant returns to the expanding valve inlet, and improve liquid seal effect. It ensures that the refrigerant is in liquid state when it enters into the main throttle valve (electronic expansion valve); at the same time, the auxiliary refrigerant directly gets into compressor after it is gasified, which will increase inspiratory capacity of compressor. Such design can help to increase cooling capacity by 10%.



- High-accuracy electronic expansion valve control: stepping motor can have 3810 steps at most, which combines coarse tuning and sharp tuning for precisely adjusting flow of refrigerant. It can dynamically control degree of superheat for outlet of evaporator, to achieve higher utilization ratio of heat exchange area and improve operational efficiency under deviate work condition and low-load work condition.





- Advanced Self-adaption Control:

A. Automatically adjust yielding water temperature according to variation of load to ensure comfortable experience and energy saving during transition seasons;

B. Start-up quantity of fan units can be controlled according to pressure, which can save more energy in transition seasons.

## Safe and Reliable

- Ejecting oil return design: when the unit operates under bad oil return work condition, the ejector will be automatically started up to ensure reliable oil return of unit, which can solve the oil return problem of flooded unit.

- Multiple anti-freezing design of shell and tube:

A. Water flowing through the heat exchange tube can prevent partial frost cracking.

B. Adopt multi-slot tube plate design to improve hermetically-sealed construction for preventing the risk of leakage.

C. Add water flow switch water-break protection.

D. Adopt evaporating temperature control technology to conduct triple control for evaporating temperature, water yielding temperature of shell and tube, anti-freezing water temperature. It can ensure that the evaporating temperature inside the shell and tube is over 0℃ for preventing frost cracking of shell and tube.



- Rotproof design:

A. Hermetically sealed structure is adopted for preventing exposure of parts and components.

B. Adopt rotproof gold aluminum foil and anticorrosive materials to make the fins, which can go through the neutral salt spray test for 2000 hours.

C. Adopt three-layer protection design for the chassis: epoxy zinc rich primer, high build epoxy antirust paint, four fluorine fluorine carbon paint \*(optional).

D. Parts and components of pipelines adopt zinc rich primer and four fluorine carbon paint \*(optional).

E. Self-made sheet metal adopts rotproof whether resistant polyester powder sprays coating \*(optional).

## High Comfort Level

- Ultralow temperature cooling design \*(optional): Apply control technology of inverter fan unit to conduct reliable cooling under the ambient temperature of -20℃.

- Stepless capacity adjustment: 50%-100% for single system and 25%-100% for dual systems; when compressor starts up under the minimum load, the cooling capacity of unit can be stepless adjusted according to the requirement of users. Adjust refrigerant volume by stepless slide valve for matching with actual load perfectly.

- Noise reduction and vibration damping design

A. Low noise axial fan design: adopt the plastic fan blade made of low noise fiber glass with improvement of 20% and streamline air foil design that the fan can be driven directly, which has lower noise than general fan units.

B. Sound insulation and noise reduction design for fan \*(optional): sound insulation cover is specially designed for the fan that can further reduce the noise.



C. Advanced technology of sound insulation and noise reduction for compressor \*(optional): according to the test and analysis of frequency spectrum for compressor, the sound insulation cover is specially designed for compressor to absorb the noise in different frequency spectrum by adopting multiple sound insulation material and sound insulation board.

D. Vibration isolator \*(optional): the vibration isolator is made of natural rubber and supported by stainless steel. Natural rubber has good abrasive resistance, good acid and alkali resistance, high elasticity, strong tensile force and extensibility. The actual measured upper acceleration of vibration isolator is 125dB, lower acceleration of oscillating damper is 105dB; the vibration drop is 20dB and the damping rate is 90%.

## Easy Installation

- On-site seamless splice technology: conduct on-site splicing for over 2 modules according to requirement of users, which can satisfy different requirement of cooling capacity.

- Built-in water conservation module \*(optional): the unit can set a built-in water conservation module according to requirement of users. The water conservation module has passed the installation test that its mating parts are highly matched with the unit; therefore there is no need to conduct separate design, model selection and purchase for the water pump.

- Automatically invoke matching parameter: display board can automatically identify unit model and automatically invoke matching parameter, which can save debugging time and avoid misoperation.

## Advanced Control System

- Brand new controller, intelligent experience

A. Manipulable and clear display interface for easy operation. The operational parameter, such as intake/yielding water temperature, ambient temperature, air exhaust temperature, suction temperature, high pressure, low pressure and current of compressor, etc., can be acquired immediately by pressing via the control menu.

B. Advanced control function can provide three kinds of on/off mode: manual control, timer, long distance on/off. The control system can work out load deviation according to difference and variation of water temperature, so as to ensure the best energy utilization efficiency of unit.

C. Complete safety protection that provides password protection function to prevent misoperation.

- Long distance control center\*

A. Internet interface is reserved for the unit for transmitting operation status of unit in real time, so as to remotely monitor the unit and solve the malfunction of unit effectively.

B. Long-distance control of multiple units. Maximum 8 sets of water-cooled screw chiller can be controlled simultaneously.

Note:

\*: This function has been applied and used at domestic market at present, and is in development stage for overseas market.

\*(optional): This function is not included in standard unit. It can be added according customer's requirement.



50Hz



Model	Cooling only		JASA-LMEA3QJD3E	JASA-LMEB30JD2E	JASA-LMEA40LE5E	JASA-LMEB40LE4E	JASA-LMEA50LE3E	JASA-LMEB50LE2E
Capacity	Cooling	kW	320	350	420	470	520	580
		TR	91.0	99.5	119.4	133.6	147.9	164.9
Capacity steps		%	25%.50%~100%	25%.50%~100%	25%.50%~100%	25%.50%~100%	25%.50%~100%	25%.50%~100%
EER		W/W	3.20	3.24	3.23	3.22	3.21	3.22
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Power input	Cooling	kW	100	108	130	146	162	180
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	1	1	1	1	1	1
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Water flow volume	m³/h	55.0	60.2	72.2	80.8	89.4	99.8
		GPM	243	265	319	356	394	440
	Pressure drop	kPa	≤35	≤35	≤45	≤45	≤45	≤45
		ft.WG	≤11.7	≤11.7	≤15.1	≤15.1	≤15.1	≤15.1
Connection pipe	-	DN100	DN100	DN125	DN125	DN125	DN125	
Air side heat exchanger	Type	-	Aluminum fin-copper tube					
	Total fan air flow	m³/h	20000×6	21500×6	20000×8	21500×8	20000×10	21500×10
		CFM	11772×6	12654×6	11772×8	12654×8	11772×10	12654×10
Total fan motor power	kW	1.5×6	1.8×6	1.5×8	1.8×8	1.5×10	1.8×10	
Dimension	Outline(W×D×H)	mm	3670×2330×2550	3670×2330×2550	4890×2330×2550	4890×2330×2550	6110×2250×2550	6110×2250×2550
	Package(W×D×H)	mm	3820×2330×2550	3820×2330×2550	5040×2330×2550	5040×2330×2550	6260×2330×2550	6260×2330×2550
Net/Gross/Operating weight		kg	4130/4170/4213	4310/4350/4396	5210/5250/5314	5515/5555/5625	5980/6020/6100	6240/6280/6365
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/2	0/2	0/1	0/1

Note: \* The parameters are estimated, please refer to the value on the nameplate.

50Hz



Model	Cooling		JASA-LMEB44NF2E	JASA-LMEB54NG3E	JASA-LMEB54NG2E	JASA-LMEB33LF850LE3E	JASA-LMEB33LF650LE2E	
Capacity	Cooling	kW	940	950	1050	1160	1280	
		TR	267.3	270.1	298.6	329.9	364.0	
Capacity steps		%	12.5%.25%~100%	12.5%.25%~100%	12.5%.25%~100%	8.3%.16.7%~100%	8.3%.16.7%~100%	
EER		W/W	3.24	3.22	3.23	3.22	3.20	
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	
Power input	Cooling	kW	290	295	325	360	400	
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	
	Quantity	-	2	2	2	3	3	
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	
	Water flow volume	m³/h	161.7	163.4	180.6	199.5	220.2	
		GPM	713	720	796	880	971	
	Pressure drop	kPa	≤60	≤60	≤70	≤55	≤55	
		ft.WG	≤20.1	≤20.1	≤23.4	≤18.4	≤18.4	
Connection pipe	-	DN150	DN150	DN150	DN150+DN125	DN150+DN125		
Air side heat exchanger	Type	-	Aluminum fin-copper tube					
	Total fan air flow	m³/h	21500×16	21500×18	21500×18	21500×22	21500×22	
		CFM	12654×16	12654×18	12654×18	12654×22	12654×22	
Total fan motor power	kW	1.8×16	1.8×18	1.8×18	1.8×22	1.8×22		
Dimension	Outline(W×D×H)	mm	9780×2250×2550	11000×2250×2550	11000×2250×2550	13450×2250×2550	13450×2250×2550	
	Package(W×D×H)	mm	9930×2330×2550	11150×2330×2550	11150×2330×2550	13600×2330×2550	13600×2330×2550	
Net/Gross/Operating Weight		kg	9970/10010/10169	10280/10360/10486	11150/11230/11373	13900/13980/14178	14470/14550/14759	
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/1	0/0	0/0	

Note: The parameters are estimated, please refer to the value on the nameplate.  
LMEB33LF850LE3E/Nb-M-LMEB33LF633LF6E/Nb-M are combined units, each part should be transported separately.

50Hz



Model	Cooling		JASA-LMEA33LF8E	JASA-LMEB33LF6E	JASA-LMEB43LF7E	JASA-LMEB43LF5E	JASA-LMEA44NF4E	
Capacity	Cooling	kW	650	700	750	820	860	
		TR	184.8	199.1	213.3	233.2	244.5	
Capacity steps		%	12.5%.25%~100%	12.5%.25%~100%	12.5%.25%~100%	12.5%.25%~100%	12.5%.25%~100%	
EER		W/W	3.25	3.24	3.19	3.22	3.25	
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	
Power input	Cooling	kW	200	216	235	255	265	
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	
	Quantity	-	2	2	2	2	2	
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	
	Water flow volume	m³/h	111.8	120.4	129.0	141.0	147.9	
		GPM	493	531	569	622	652	
	Pressure drop	kPa	≤55	≤55	≤55	≤55	≤65	
		ft.WG	≤18.4	≤18.4	≤18.4	≤18.4	≤21.7	
Connection pipe	-	DN150	DN150	DN150	DN150	DN150		
Air side heat exchanger	Type	-	Aluminum fin-copper tube					
	Total fan air flow	m³/h	20000×12	21500×12	20000×14	21500×14	20000×16	
		CFM	11772×12	12654×12	11772×14	12654×14	11772×16	
Total fan motor power	kW	1.5×12	1.8×12	1.5×14	1.8×14	1.5×16		
Dimension	Outline(W×D×H)	mm	7340×2250×2550	7340×2250×2550	8560×2250×2550	8560×2250×2550	9780×2250×2550	
	Package(W×D×H)	mm	7490×2330×2550	7490×2330×2550	8710×2330×2550	8710×2330×2550	9930×2330×2550	
Net/Gross/Operating Weight		kg	7920/7960/8078	8120/8160/8282	8350/8390/8517	9110/9150/9292	9860/9900/10057	
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/1	0/1	0/1	

Note: \* The parameters are estimated, please refer to the value on the nameplate.

50Hz



Model	Cooling		JASA-LMEB33LF833LF8E	JASA-LMEB33LF633LF6E	JASA-LMEB33LF643LF5E	JASA-LMEB43LF743LF7E	JASA-LMEB43LF543LF5E	
Capacity	Cooling	kW	1320	1400	1500	1520	1650	
		TR	375.4	398.1	426.5	432.2	469.2	
Capacity steps		%	6.25%.12.5%~100%	6.25%.12.5%~100%	6.25%.12.5%~100%	6.25%.12.5%~100%	6.25%.12.5%~100%	
EER		W/W	3.22	3.22	3.23	3.23	3.20	
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	
Power input	Cooling	kW	410	435	465	470	515	
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	
	Quantity	-	4	4	4	4	4	
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	
	Water flow volume	m³/h	227.0	240.8	258.0	261.4	283.8	
		GPM	1001	1062	1138	1153	1251	
	Pressure drop	kPa	≤60	≤60	≤60	≤60	≤60	
		ft.WG	≤20.1	≤20.1	≤20.1	≤20.1	≤20.1	
Connection pipe	-	2×DN150	2×DN150	2×DN150	2×DN150	2×DN150		
Air side heat exchanger	Type	-	Aluminum fin-copper tube					
	Total fan air flow	m³/h	21500×24	21500×24	21500×26	21500×28	21500×28	
		CFM	12654×24	12654×24	12654×26	12654×28	12654×28	
Total fan motor power	kW	1.8×24	1.8×24	1.8×26	1.8×28	1.8×28		
Dimension	Outline(W×D×H)	mm	14670×2250×2550	14670×2250×2550	15890×2250×2550	17120×2250×2550	17120×2250×2550	
	Package(W×D×H)	mm	14820×2330×2550	14820×2330×2550	16040×2330×2550	17270×2330×2550	17270×2330×2550	
Net/Gross/Operating Weight		kg	14880/14960/15178	15840/15920/16157	17140/17220/17483	16950/17030/17289	18470/18550/18839	
Loading quantity	40'GP/40'HQ	set	0/0	0/0	0/0	0/0	0/0	

Note: The parameters are estimated, please refer to the value on the nameplate.  
LMEB33LF643LF5E/Nb-M-LMEB43LF543LF5E/Nb-M are combined units, each part should be transported separately.





Model	Cooling		JASA-LMEB30JD33	JASA-LMED30JD24	JASA-LMED30JD24E	JASA-LMED40LE56	JASA-LMED40LE46E
Capacity	Cooling	kW	358	408	448	518	573
		TR	101.8	116.0	127.4	147.3	162.9
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%
EER		W/W	3.17	3.11	3.11	3.18	3.18
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Power input	Cooling	kW	113	131	144	163	180
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	1	1	1	1	1
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Water flow volume	m³/h	61.6	70.2	77.1	89.1	98.6
		GPM	271	309	340	393	435
	Pressure drop	kPa	≤35	≤45	≤45	≤45	≤50
		ft.WG	≤11.7	≤15.1	≤15.1	≤15.1	≤16.7
Connection pipe	-	DN125	DN125	DN125	DN125	DN125	
Air side heat exchanger	Type	-	Aluminum fin-copper tube				
	Total fan air flow	m³/h	24000×6	26000×6	26000×6	24000×8	26000×8
		CFM	14126×6	15304×7	15304×7	14126×8	15304×7
Total fan motor power	kW	2.2×6	2.8×6	2.8×6	2.2×8	2.8×8	
Dimension	Outline(W×D×H)	mm	3670×2250×2550	3670×2250×2550	3670×2250×2550	4890×2250×2550	4890×2250×2550
	Package(W×D×H)	mm	3820×2330×2550	3820×2330×2550	3820×2330×2550	5040×2330×2550	5040×2330×2550
Net/Gross/Operating Weight		kg	4390/4430/4478	4410/4450/4498	4460/4500/44549	5515/5555/5625	5565/5605/5676
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/2	0/2	0/2

Note: The parameters are estimated, please refer to the value on the nameplate.



Model	Cooling		JASA-LMED44NF266E	JASA-LMED54NG276E	JASA-LME50LE2750LE27E	JASA-LME50LE1850LE18E
Capacity	Cooling	kW	1148	1318	1488	1617
		TR	326.4	374.8	423.1	459.8
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	12.5%,25%~100%
EER		W/W	3.19	3.10	3.10	3.10
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Power input	Cooling	kW	360	425	480	522
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	2	2	2	2
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Water flow volume	m³/h	197.5	226.7	255.9	278.1
		GPM	871	1000	1128	1226
	Pressure drop	kPa	≤75	≤85	≤95	≤110
		ft.WG	≤25.0	≤28.4	≤31.8	≤36.8
Connection pipe	-	DN200	DN200	2×DN150	2×DN150	
Air side heat exchanger	Type	-	Aluminum fin-copper tube			
	Total fan air flow	m³/h	26000×16	26000×18	26000×20	26000×20
		CFM	15304×6	15304×8	15304×20	15304×20
Total fan motor power	kW	2.8×16	2.8×18	2.8×20	2.8×20	
Dimension	Outline(W×D×H)	mm	9780×2250×2550	11000×2250×2550	12230×2250×2550	12230×2250×2550
	Package(W×D×H)	mm	9930×2330×2550	11150×2330×2550	12380×2330×2550	12380×2330×2550
Net/Gross/Operating Weight		kg	10310/10350/10516	11485/11525/11715	13240/13320/13505	13320/13400/13586
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/0	0/0

Note: The parameters are estimated, please refer to the value on the nameplate. LME50LE2750LE27E/Nb-M and LME50LE1850LE18E/Nb-M are combined units, each part should be transported separately.

## 50Hz



Model	Cooling		JASA-LMED50LE37	JASA-LMED50LE27E	JASA-LMED50LE18E	JASA-LMED33LF644E	JASA-LMED43LF564E
Capacity	Cooling	kW	678	743	808	898	1023
		TR	192.8	211.3	229.8	255.4	290.9
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	12.5%,25%~100%	12.5%,25%~100%
EER		W/W	3.18	3.11	3.00	3.10	3.10
Power supply		V/Ph/Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Power input	Cooling	kW	213	239	269	290	330
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	1	1	1	2	2
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Water flow volume	m³/h	116.6	127.8	139.0	154.5	176.0
		GPM	514	563	613	681	776
	Pressure drop	kPa	≤55	≤55	≤55	≤65	≤70
		ft.WG	≤18.4	≤18.4	≤18.4	≤21.7	≤23.4
Connection pipe	-	DN150	DN150	DN150	DN150	DN200	
Air side heat exchanger	Type	-	Aluminum fin-copper tube				
	Total fan air flow	m³/h	24000×10	26000×10	26000×10	26000×12	26000×14
		CFM	14126×10	15304×70	15304×70	15304×12	15304×74
Total fan motor power	kW	2.2×10	2.8×10	2.8×10	2.8×12	2.8×14	
Dimension	Outline(W×D×H)	mm	6110×2250×2550	6110×2250×2550	6110×2250×2550	7340×2250×2550	8560×2250×2550
	Package(W×D×H)	mm	6260×2330×2550	6260×2330×2550	6260×2330×2550	7490×2330×2550	8710×2330×2550
Net/Gross/Operating Weight		kg	6570/6610/6701	6620/6660/6752	6660/6700/6793	8715/8755/8889	9630/9670/9823
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/1	0/1	0/1

Note: The parameters are estimated, please refer to the value on the nameplate.