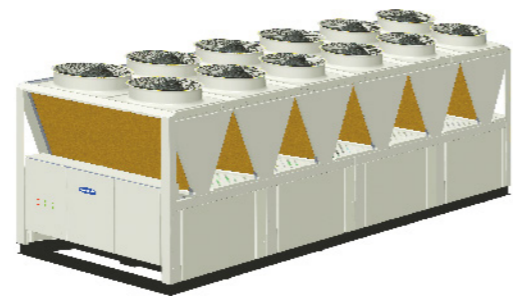


# High-efficiency Modular Air-cooled Screw Chiller

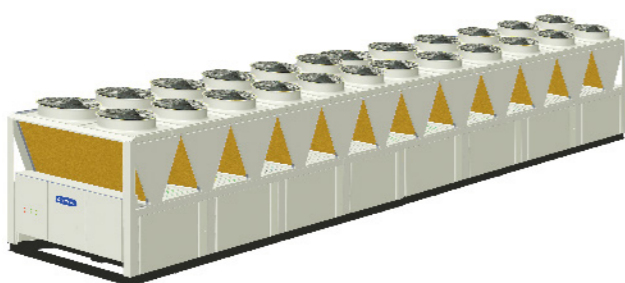
It is a kind of High-efficiency air-cooled screw chiller that can be connected to all sorts of fan coil unit to realize cooling/heating for civil or industrial buildings.



320/420/500/580MH/NbA-M



650/750/860/950MH/NbA-M



1050/1160/1320/1520MH/NbA-M

Note: Photos are for reference only.

Golden fin condenser	Inner groove copper	Comprehensive protection	Self-diagnosis	Memory function	24 hour timer	Long-distance monitoring	High efficiency	Intelligent defrosting	Modular structure

- Thanks to V type fin structure, unit features small refrigerant pressure loss and high efficiency.
- 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 is at least 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
Heating	40	45	45~50	2.5~8	7	6	-15~24

Model	Cooling only		LSBLGF320 MH/NbA-M*	LSBLGF420 MH/NbA-M*	LSBLGF500 MH/NbA-M*	LSBLGF580 MH/NbA-M*	LSBLGF650 MH/NbA-M*	LSBLGF750 MH/NbA-M*
Capacity	Cooling	kW	320	420	500	580	650	750
		RT	91.0	119.4	142.2	164.9	184.8	213.3
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,25%~100%	25%,25%~100%
EER/COP*		W/W	3.20	3.23	3.27	3.28	3.25	3.26
Power supply		Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50
Power input	Cooling	kW	100	130	153	177	200	230
	Heating*	kW	/	/	/	/	/	/
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	2	2
Water side heat exchanger	Type	-	Flooded Evaporator					
	Water flow volume	m³/h	55.0	72.2	86.0	99.8	111.8	129.0
		GPM	243	319	379	440	493	569
	Pressure drop	kPa	≤50	≤50	≤55	≤60	≤60	≤60
		ft.WG	≤16.4	≤16.4	≤18.04	≤19.68	≤19.68	≤19.68
Connection pipe	-	DN100	DN125	DN125	DN150	DN150	DN150	
Air side heat exchanger	Type	-	Aluminum Fin-copper Tube					
	Fan type and quantity	-	axial×6	axial×8	axial×10	axial×12	axial×12	axial×14
	Total fan air flow	m³/h	120000	160000	200000	240000	240000	280000
		CFM	70634	94179	117724	141268	141268	164813
Total fan motor power	kW	1.5×6	1.5×8	1.5×10	1.5×12	1.5×12	1.5×14	
Sound pressure level	dB(A)	77	78	79	81	82	82	
Dimension	Outline(W×D×H)	mm	3660X2250X2500	4880X2250X2500	6100X2250X2500	7320X2250X2500	7320X2250X2500	8540X2250X2500
	Package(W×D×H)	mm	3700X2250X2550	4920X2250X2550	6140X2250X2550	7360X2250X2550	7360X2250X2550	8580X2250X2550
Net/Gross/Operating weight	kg	3650/3690/4015	4650/4690/5115	5550/5590/6105	6450/6490/7095	7250/7290/7975	8350/8390/9185	
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/1	0/1	0/1	0/1

Model	Cooling only		LSBLGF860 MH/NbA-M*	LSBLGF950 MH/NbA-M*	LSBLGF1050 MH/NbA-M*	LSBLGF1160 MH/NbA-M*	LSBLGF1320 MH/NbA-M*	LSBLGF1520 MH/NbA-M*
Capacity	Cooling	kW	860	950	1050	1160	1320	1520
		RT	244.5	270.1	298.6	329.9	375.4	432.2
Capacity steps		%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	8.3%,16.7%~100%	12.5%,25%~100%	6.25%,12.5%~100%
EER/COP*		W/W	3.41	3.39	3.28	3.31	3.34	3.38
Power supply		Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50
Power input	Cooling	kW	252	280	320	350	395	450
	Heating*	kW	/	/	/	/	/	/
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	-	2	2	2	3	4	4
Water side heat exchanger	Type	-	Flooded Evaporator					
	Water flow volume	m³/h	147.9	163.4	180.6	199.5	227.0	261.4
		GPM	652	720	796	880	1001	1153
	Pressure drop	kPa	≤70	≤70	≤80	≤85	≤100	≤100
		ft.WG	≤22.96	≤22.96	≤22.96	≤24.6	≤26.24	≤26.24
Connection pipe	-	DN200	DN200	DN200	DN200	DN200	DN200	
Air side heat exchanger	Type	-	Aluminum Fin-copper Tube					
	Fan type and quantity	-	axial×16	axial×18	axial×20	axial×22	axial×24	axial×28
	Total fan air flow	m³/h	320000	360000	400000	440000	480000	560000
		CFM	188358	211902	235447	258992	282536	329626
Total fan motor power	kW	1.5×16	1.5×18	1.5×20	1.5×22	1.5×24	1.5×28	
Sound pressure level	dB(A)	83	83	84	84	85	85	
Dimension	Outline(W×D×H)	mm	9760X2250X2500	10980X2250X2500	12200X2250X2500	13420X2250X2500	14640X2250X2500	17080X2250X2500
	Package(W×D×H)	mm	9800X2250X2550	11020X2250X2550	12240X2250X2550	13460X2250X2550	14680X2250X2550	17120X2250X2550
Net/Gross/Operating weight	kg	9550/9590/10505	10650/10690/11715	11750/11830/12925	13000/13080/14300	14750/14830/16225	16950/17030/18645	
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/0	0/0	0/0	0/0

Note: \* This product is under development. The parameters are estimated, please refer to the value on the nameplate.