

LG系列双级撬块螺杆制冷压缩机组

LG Series Skid-mounted Screw Compressor Unit



Technical features

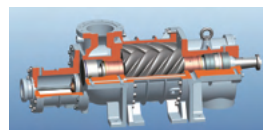
■ Both the high pressure stage and the low pressure stage of the skid-mounted two-stage screw refrigeration compressor unit are provided with a capacity control device, which can thus ensure that the unit always runs highly effectively and economically under various low temperature working conditions.

■ Staged starting of high and low pressure stage compressors, low starting current;

■ Three-stage oil separation systems, high-efficiency molecular sieves, separation efficiency 3~5ppm

■ High precision suction and oil filter elements to ensure normal working of compressors

■ The oil cooling system can use thermal siphon cooling mode or water cooling mode.



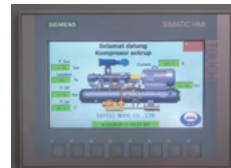
LG Automatic Series Microcomputer control more convenient and more flexible

■ Alarming data recorded and stored by PLC monitors interface

■ Automatic stepless capacity control, automatic startup/shutdown

■ Convenient communication

■ Free switching between remote and local operating modes and between manual and automatic operating modes



Main specifications and parameters of LG Series Skid-mounted Screw Compressor Unit

Item			Model	LG20L16M	LG25M16M	LG25L20S
Refrigerant				R717	R717	R717
Compressor	Low pressure stage	Model		LG20L	LG25M	LG25L
		Theoretical displacement	m³/h	1486	2289	2840
		Capacity control range		15%~100%		
	High pressure stage	Model		LG16M	LG16M	LG20S
		Theoretical displacement	m³/h	598	598	806
		Capacity control range		15%~100%		
Nominal condition			°C	-45	-45	-45
Refrigeration capacity at nominal condition			KW	217.4	429	551
Motor power	High pressure stage		KW	132	200	220
	Low pressure stage			132	132	185
Power supply				3P 380V 50Hz		
Lubricant	Charge		kg	~ 470	~ 550	~ 550
Diameter of suction pipe			mm	DN200	DN200	DN250
Diameter of exhaust pipe			mm	DN80	DN80	DN100
Diameter of economizer liquid inlet/outlet pipe			mm	DN65	DN65	DN80
Liquid-cooled oil cooler	Diameter of liquid inlet pipe		mm	DN40	DN50	DN50
	Diameter of gas outlet pipe		mm	DN65	DN80	DN80
	Motor model			2ZH125A(F)	ZHB125P4	ZHB125P4
	Motor power		KW	2.2	2.2	2.2
Unit outline dimension		Length	mm	5732	6254	6644
		Width	mm	1594	1940	1940
		Height	mm	2541	2964	2997
Unit weight			kg	~ 8000	~ 11000	~ 12000

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*The specifications are subject to change without notice.