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参数如有变动恕不另行通知。

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储能空调专用涡旋压缩机

Scroll Compressor for Energy Storage A/C Application



冰山松洋压缩机(大连)有限公司

Sonyo Compressor (Dalian) Co., Ltd.

储能空调专用 Energy storage A/C

涡旋压缩机 Scroll Compressor



在国家推进“双碳”政策的背景下，清洁能源替代和电能替代被大力推进，储能将在这一战略中扮演至关重要的角色。国内储能行业处于商业化向规模化的转变时期，2022年中国新增新型储能电站装机规模已超过美国市场，国内储能温控产业具有巨大增长空间。

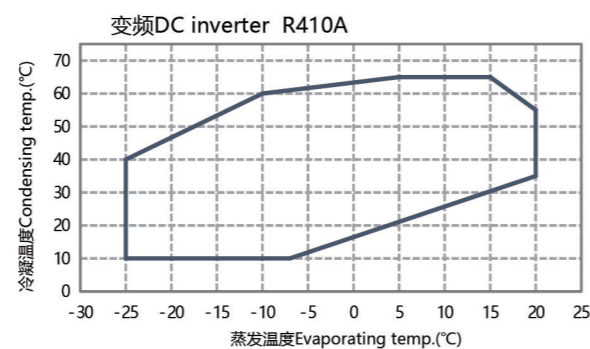
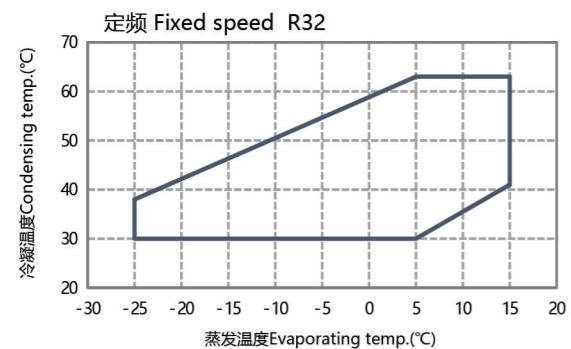
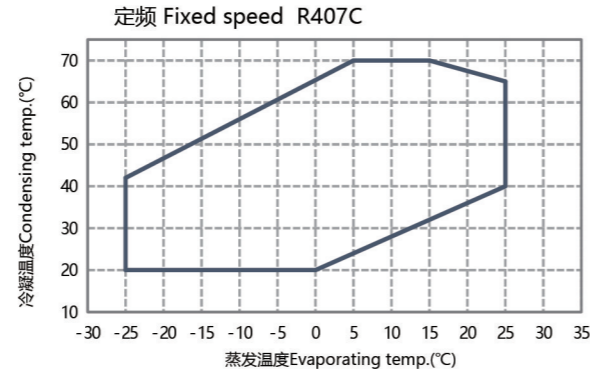
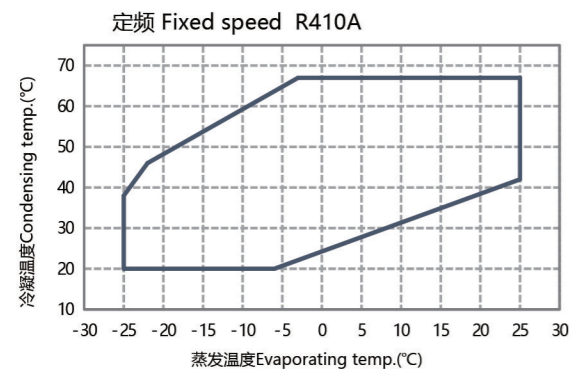
储能温控设备是电化学储能系统核心部件之一，起到防止电池着火、延长使用寿命的作用。储能项目更倾向于选择高质量、性能稳定的温控方案，储能空调可对集装箱内部进行温度、湿度精密管控。

冰山松洋持之以恒的以追求努力改善和提高社会生活，为世界文明的发展贡献力量为使命。松洋压缩机为此推出绿色高效的储能空调专用压缩机，服务广大储能空调设备优秀制造商。

Energy storage temperature control equipment is one of the core components of the electrochemical energy storage system, which plays a role in preventing battery fires and extending service life. Energy storage projects tend to choose temperature control solutions with high quality and stable performance. Energy storage air conditioners can precisely control the temperature and humidity inside the container.

Sonyo compressor consistently pursues the mission of striving to improve and enhance social life and contribute to the development of world civilization. Sonyo Compressor has launched a green and efficient special compressor range for energy storage air conditioners to serve the majority of outstanding manufacturers.

结构设计紧凑化 Compact structure design	设计参数专用化 Specialization of design parameters	全面评测 + 高可靠性 Full evaluation and high reliability
沿用现有产品的成熟技术经验，优化结构和制造工艺 Optimized structure and manufacturing process based on mature technical experience of existing products	针对储能空调应用进行专用化设计，符合储能空调应用场景 Specialized design for energy storage air conditioning applications and scenarios	严苛的寿命测试试验，更加适用于储能空调复杂环境工况的使用 More suitable for complex conditions of energy storage air conditioners, based on strict reliability tests.



*实际运行范围以规格书为准。
The formal operating envelope is subject to the compressor approval sheets.

制冷剂 Refrigerant	电源 Power Source	制冷量Cooling Capacity [kW]										
		3	4	5	6	7	8	9	10	12	15	25
R410A	三相Three Phase	10 ~ 74kW										
	DC Inverter	10 ~ 74kW										
R407C	三相Three Phase	10 ~ 35kW										
R32	三相Three Phase	10 ~ 21kW										

定频 Fixed speed

制冷剂 Refrigerant	型号 Model	匹数 Output	制冷能力 Cooling capacity	COP	油量 Oil Volume	重量 Weight	噪声 Noise level
		HP	KW	W/W	L	Kg	dB(A)
R410A	C-SBP120	3.5	10	2.86	1.7	37.5	58
	C-SBP170	5	14.2	3	1.7	38.2	59
	C-SBP205	6	16.8	3	1.7	38	61
	C-SCP270	8	22.8	3.14	2.8	68.7	72
	C-SCP315	10	27	3.14	2.8	69.5	72
	C-SCP400	12	33	3.2	2.8	72	72
	C-SCP510	15	44	3.18	2.8	72	72
	5CF208	18	57.4	3.28	4.5	101	79
	5CF277	25	74	3.32	4.5	105	80
	C-SBS120	3.5	10	3.13	1.7	38	62
R407C	C-SBS180	5	14.7	3.08	1.7	38	62
	C-SBS215	6	17.6	3.03	1.7	38	62
	C-SCN603	8	24.5	3.16	2.8	66	73
	C-SCN753	10	29.9	3.2	2.8	69.5	73
	C-SCN903	12	34.9	3.1	2.8	70.5	73
	LCC260	15	45.5	3.12	3.5	78	76
	9CB046	4	12.2	2.8	1.4	37.5	61
R32	9CB067	6	17.5	2.82	1.7	38.4	62
	9CB076	7	21	2.94	1.4	39.3	62

测试工况：50Hz，蒸发温度7.2°C，冷凝温度54.4°C，过冷度8.3K，过热度11.1K。
Test conditions: 50Hz, Te: 7.2°C, Tc: 54.4°C, SC: 8.3K, SH: 11.1K

变频 DC Inverter

制冷剂 Refrigerant	型号 Model	转速范围 Speed range	排气容积 Displacement	制冷能力 Cooling capacity	COP	油量 Oil Volume	重量 Weight	噪声 Noise level
		r/s	CC	KW	W/W	L	KG	dB(A)
R410A	5CD067	15-120	66.8	22.3	3.30	1.6	38	71
	5CD081	15-120	80.5	26.7	3.36	1.6	39	72
	5CD120	20-120	120	40.0	3.31	2.1	45	71
R32	9CD081	15-120	80.5	29.5	3.43	1.6	41	72
R134a/R513A	6CD081	15-120	80.5	12.3	3.40	1.6	37	71

测试工况：60r/s，蒸发温度7.2°C，冷凝温度54.4°C，过冷度8.3K，过热度11.1K，R32机型EVI
Test conditions: 60r/s Te: 7.2°C, Tc: 54.4°C, SC: 8.3K, SH: 11.1K, R32 models with EVI