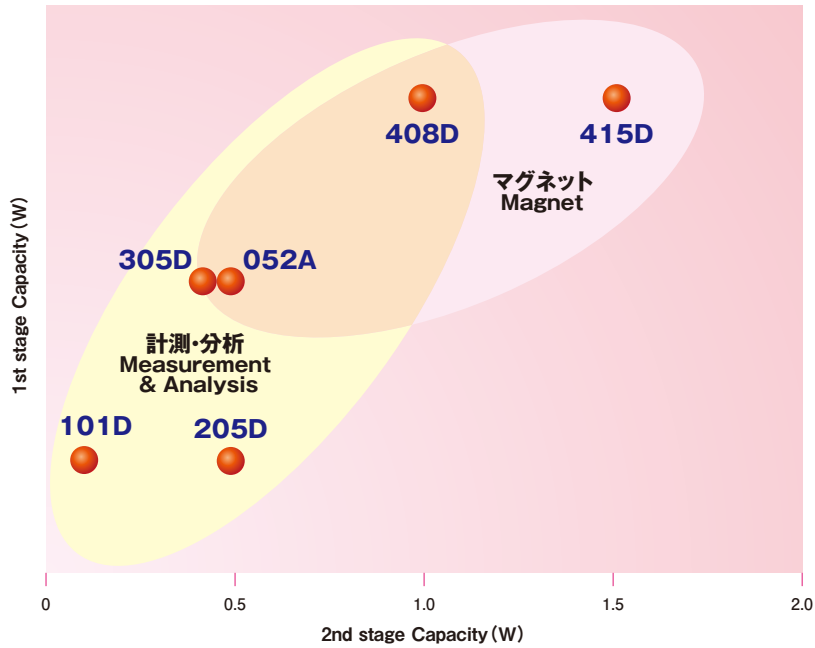


住友重機械工業(株) 製 4K 冷凍機シリーズ The SHI 4K Cryocooler series

小型超電導マグネットから、実験・計測に手軽なタイプまで充実の小型 4K シリーズ。

The SHI 4K series suitable from small superconducting magnets to analytical and experimental applications.



Specification (4K series)

Model	SRDK-101D-A11B	SRDK-205D-W21A	SRDK-305D-A31C	SRDK-408D2-A71A	SRDK-408D2-F50L	SRDK-408D2-A61C	SRDK-415D-A71A	SRDK-415D-F50L	SRDK-415D-A61C	SRP-062B-F50L	SRP-062B-F50H
Coldhead	RDK-101D	RDK-205D	RDK-305D	RDK-408D2	RDK-408D2	RDK-408D2	RDK-415D	RDK-415D	RDK-415D	RP-062B	RP-062B
Compressor unit	CNA-11B Indoor. Air-cooled	CKW-21A Indoor. Water-cooled	CNA-31C Indoor. Air-cooled	CSA-71A Indoor. Air-cooled	F-50L Indoor. Water-cooled	CNA-61C Indoor. Air-cooled	CSA-71A Indoor. Air-cooled	F-50L Indoor. Water-cooled	CNA-61C Indoor. Water-cooled	F-50L Indoor. Water-cooled	F-50L Indoor. Water-cooled
Cooling capacity 1st Stage (50/60Hz)	3/5W @ 60K	3.0/4.0W @ 50K	15/20W @ 40K	40/50W @ 43K	40/50W @ 43K	40/50W @ 43K	35/45W @ 50K	35/45W @ 50K	35/45W @ 50K	30W @ 65K	30W @ 65K
2nd Stage (50/60Hz)	0.1W @ 4.2K	0.5W @ 4.2K	0.4W @ 4.2K	1.0W @ 4.2K	1.0W @ 4.2K	1.0W @ 4.2K	1.5W @ 4.2K	1.5W @ 4.2K	1.5W @ 4.2K	0.5W @ 4.2K	0.5W @ 4.2K
Lowest temperature (2nd Stage) ※1	<3.0K	<3.5K	<3.5K	<3.5K	<3.5K	<3.5K	<3.5K	<3.5K	<3.5K	<3.5K	<3.5K
Power	Single phase AC100V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz	3 phase AC200V 50/60Hz
Power consumption · Steady (50/60Hz)	MAX. 1.2/1.3kW	MAX. 2.7/3.5kW	3.8/4.5kW	MAX. 6.5/7.5kW	MAX. 6.5/7.5kW	MAX. 7.5/8.5kW	MAX. 6.5/7.5kW	MAX. 6.5/7.5kW	MAX. 6.5/7.5kW	MAX. 6.5/7.5kW	MAX. 6.5/7.5kW
Operating current · Steady (60Hz)	Max. 13A	Max. 11A	Max. 16A	Max. 25A	Max. 25A	Max. 27A	Max. 25A	Max. 25A	Max. 27A	Max. 25A	Max. 13A
Power requirement (Min)	1.8kVA	4.5kVA	6.5kVA	9kVA	9kVA	11kVA	9kVA	9kVA	11kVA	9kVA	9kVA
Power requirement (Recommended)	1.8kVA	6.0kVA	8.5kVA	12kVA	12kVA	14kVA	12kVA	12kVA	14kVA	12kVA	10kVA
Ambient temperature (Coldhead)	5~35°C ※2	5~35°C ※2	5~35°C ※2	5~35°C ※3	5~35°C ※3	5~35°C ※3	5~35°C ※3	5~35°C ※3	5~35°C ※3	5~35°C ※3	5~35°C ※3

※1 Lowest temperature, cooldown time are for reference. (Depending on ambient temperature, cooling water temperature, etc.)

※2 Indoor flexline : 10m, Outdoor flexline : 10m

※3 Cooling capacity may degrade by max. 5% if ambient temperature is above 28°C.

Specifications subject to change without notice.

