



Samurai L remote condenser cooling only

Twin screw compressor, continuous capacity regulation



Samurai L RCME-CLH1

		RCME-40CLH1			RCME-50CLH1			RCME-60CLH1		
Capacity	Cooling (nominal)	135			175			215		
EER		4.22			4.19			4.10		
Sound power		88			89			90		
Sound pressure at 10 m		60			61			62		
IP Rating		IP2X			IP2X			IP2X		
No. and type of compressor/ no. of circuits		1 - Semi-hermetic twin-screw/ 1			1 - Semi-hermetic twin-screw/ 1			1 - Semi-hermetic twin-screw/ 1		
Refrigerant		R134A			R134A			R134A		
Refrigerant charge		please check			please check			please check		
Refrigerant pipe diameter (outdoor)	Liquid-gas	inches 1 1/8-2 1/8			1 1/8-2 1/8			1 1/8-2 1/8		
Capacity control		25-100			25-100			25-100		
Exchanger type		Plate			Plate			Plate		
Water flow	Cooling (Min/Nom/Max)	m³/h 14.5-23.2-50.5			18.8-30.1-65.4			23.1-37.0-80.4		
Water pipe connection	Size and type	inches 2.1/2" Victaulic			2.1/2" Victaulic			2.1/2" Victaulic		
	Quantity	1 x Inlet, 1 x Outlet			1 x Inlet, 1 x Outlet			1 x Inlet, 1 x Outlet		
Minimum system water volume		m3 0.49			0.63			0.78		
Condensation temperature		°C 30 to 60			30 to 60			30 to 60		
Water production temperatures	Cooling - Standard	°C 5 to 15			5 to 15			5 to 15		
	Cooling - Low option	°C -5 to 5			-5 to 5			-5 to 5		
	Cooling - High option	°C 15 to 25			15 to 25			15 to 25		
Power supply		3N~400V 50Hz			3N~400V 50Hz			3N~400V 50Hz		
Consumption	Cooling (nominal)	kW 32.0			41.8			52.4		
Current (maximum-startup)		A 72.7-179			92.7-240			116-240		
Dimensions (H x W x D)		mm 1,681x806x1,271			1,681x806x1,271			1,681x806x1,271		
Weight		kg 765.0			835.0			900.0		

* The acoustic power levels refer to a distance of 10 meters measured in front of the unit.

New compressor

The range incorporates a new twin-screw compressor with the latest advances in Hitachi screw-compressor technology and continuous capacity control from 25% to 100%. This modulation ensures the required charge at all times. (Fig. 1)

Precise temperature control

The combination of the Hitachi "continuous capacity control compressor" and Hitachi's exclusive electronic controls allows precise control of the water outlet temperature, independently of the cooling load, which is especially important in industrial processes. (Fig. 2)

Two operating modes

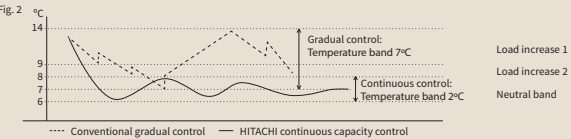
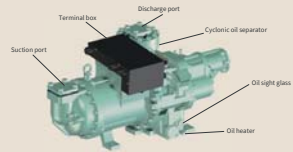
Two operating modes come as standard in the system:
- Standard mode
- High-efficiency mode

Less maintenance space

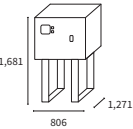
The compressor is in a lower position, making it easier to dismantle from the rear of the unit, which reduces the maintenance space needed.

Choose the condenser to fit your needs

The unit is supplied without a condenser, so you can choose one that is best suited to the installation.



Cooling only models



RCME-40CLH1
RCME-50CLH1
RCME-60CLH1

Options and accessories:

See pages 328-329