

R22 RETROFIT SOLUTIONS

Lacool is licensed to supply specialised R22 replacement solutions. The Lacool R22 replacement condensers, can be used by Service contractors to replace existing HCFC R22 system failures, where replacement of the installed refrigeration system is prohibitive or not possible.

The Lacool range of single speed condensers have been developed to be compatible with a wide range of legacy units, due to the simplicity of the electrical control systems and ability to easily incorporate relays and additional control interface modules.

Lacool R22 condensers are available in Single and Three phase, ranging from 5kW to 25kW cooling capacity.

- Compatibility with wide range of R22 systems
- Robust design & manufacture
- Cost effective alternative to system replacement
- Non-invasive solution
- Simple electrical connections



RETROFIT PARTS



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R22 RETROFIT CONDENSERS



PRODUCT SPECIFICATION		SINGLE PHASE						THREE PHASE			
Model		VC18	VC24	KC30	KC36	KC42	VC58	KC48	KC60	KC70	VC85
Rated Cooling Capacity	kw	5.57	7.33	9.2	10.6	12.7	16.2	14	17.5	20	23.7
Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Running current	Heating (A)	8.9	10.5	11.5	12.6	16.5	24.28	6.2	7.40	12.6	12.60
Running current	Cooling (A)	10	12.1	12.4	14.6	18.9	28.17	7.00	8.30	12.6	13.60
Electrical Circuit Breaker/Cable		16/2.5mm	16/2.5mm	20/2.5mm	25/4mm	25/4mm	40/6mm	16/2.5mm	16/2.5mm	32/4mm	32/4mm
Power consumption	Heating (W)	1750	2350	2740	2880	3380	4520	3880	4720	6.7	6570
Power consumption	Cooling (W)	2100	2750	2950	3380	4030	5560	4490	5450	6.7	7510
Piping Connection	Ref (Liq/Gas)	9.5/15.9	9.5/15.9	9.5/15.9	9.5/19	12.7/19	12.7/19	12.7/19	12.7/19	12.7/22	12.7/28.6
Max Length		30	30	30	30	30	30	30	30	30	50
Max Height		+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15
Unit Weight (NET)		42	62	80	90	102	112	106	130		168
Condenser coil	Face Area m ²	0.34	0.72	0.89	1.02	1.21	1.21	1.21	1.21	1.74	1.74
	Tube	7mm-Groved	7mm-Groved	7mm-Groved	7mm-Groved	7mm-Groved	7mm-Groved	7mm-Groved	7mm-Groved	7mm-Groved	9mm-Groved
Fan Blade	Type	Propeller Direct Drive						Propeller Direct Drive			
	Diameter	560	560	560	560	480	480	480	480	560	560
	No	1	1	1	1	2	2	2	2	2	2
Fan Motor	Type	Permanent Split Capacitor						Permanent Split Capacitor			
	No	1	1	1	1	2	2	2	2	2	2
Compressor	Type	Rotary				Scroll				Scroll	
Refrigerant	Type	R22						R22			
	Base Charge (kg) suits 4-12 m run	1.10	1.70	3.40	3.75	4.10	5.90	5.60	5.90	7.95	10.40
	Additional Charging (g/m)	40	40	60	60	120	120	120	120	100	100
Nominal Air High Speed	L/S	470	470	1200	1200	2000	2000	2000	2000	3000	3000
Sound Pressure @ 1mt	dB (A)	57	57	60/56/51	59/55/51	61/58/55	61/58/55	61/58/55	61/58/55	67/60/51	65/58/49
Sound Pressure @ 3mt	dB (A)	46	46	53/48/44	51/47/42	54/51/48	54/51/48	54/51/48	54/51/48	60/54/44	58/51/43
Unit Dimensions	HxWxD	620x843x334	770x920x334	760x1008x390	965x970x390	1320x970x390	1320x922x336	1316x970x390	1474x970x390	1552x1150x490	1552x1150x490
Packing Dimensions	HxWxD	660x925x400	660x925x400	825x1055x430	825x1055x430	1375x1050x430	1375x1055x430	1390x1055x455	1545x1050x510	1720x1220x615	1720x1220x615
Unit Weight	Kg	42	62	80	90	102	112	106	130	173	168

Disclaimer: The data is extracted from Unico Service Manuals using reverse cycle split ducted range

Note: Cooling capacity and electric characteristics are based on 27 °C DB, 19 °C WB indoor temp. and 35 °C outdoor temp. at high speed. System is operative up to 52 °C outdoor temp. Because of our policy of continuous improvement we reserve the right to make changes in all specifications without notice.



AS COOL AS IT GETS!