

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



R22 RETROFIT PARTS



1. Compatibility with wide range of legacy R22 systems
2. Robust design & manufacture
3. Cost effective alternative to whole system replacement
4. Non-invasive solution
5. Simple electrical connections



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R22 RETROFIT CONDENSERS



PRODUCT SPECIFICATION		SINGLE PHASE						THREE PHASE			
Model		VC18 RSVH	VC24 RSVH	KC30 RSVH	KC36 RSVH	KC42 CSVH	VC58 CSVH	KC48 CSYH	KC60 CSYH	KC70 CSYH	VC85 CSYH
Nominal Cooling Capacity	kW	5.57	7.33	9.2	10.6	12.7	16.2	14.0	17.5	20	23.7
Nominal Heating Capacity	kW	5.57	7.33	8.6	9.8	12.5	16.1	14.0	17.6	19.6	23.0
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	6200	6570
Power consumption	Cooling (W)	2100	2750	2950	3380	4030	5560	4490	5450	7700	7510
Piping Connection	Ref (Liq/Gas)	9.5/15.9	9.5/15.9	9.5/15.9	9.5/19	12.7/19	12.7/22.2	12.7/19	12.7/19	12.7/22	12.7/28.6
Piping Connection	Ref (Liq/Gas)	3/8 1/2	3/8 5/8	3/8 5/8	3/8 3/4	1/2 3/4	1/2 7/8	1/2 3/4	1/2 3/4	1/2 7/8	1/2 1 1/8
Max Length	(m)	30	30	30	30	30	30	30	30	30	50
Max Height	(m)	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15	+/-15
Condenser coil	Face Area m ²	0.34	0.72	0.72	0.89	1.02	1.21	1.21	1.38	1.38	1.74
	Tube	7mm-Grooved	9.5mm-Grooved	7mm-Grooved	7mm-Grooved	7mm-Grooved	7mm-Grooved	7mm-Grooved	7mm-Grooved	7mm-Grooved	9.5mm-Grooved
Fan Blade	Type	Propellar Direct Drive						Propellar Direct Drive			
	Diameter	440	560	560	560	480	480	480	560	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	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigerant	Type	R22						R22			
	Base Charge (kg) suits 4-12m run	1.10	1.70	3.40	3.75	4.10	5.90	5.60	5.90	7.60	10.40
	Additional Charging (g/m)	60	60	60	60	120	120	120	120	120	120
Sound Pressure @ 1mt	dB (A)	57	57	59/55/51	60/56/51	61/58/55	61/58/55	61/58/55	61/58/55	61/58/55	65/58/49
Sound Pressure @ 3mt	dB (A)	46	46	51/47/42	53/48/44	54/51/48	54/51/48	54/51/48	54/51/48	54/51/48	58/51/43
Unit Dimensions	HxWxD (mm)	620x843x334	770x920x334	760x1008x390	965x970x390	1320x970x390	1320x922x336	1320x970x390	1470x970x390	1470x970x390	1552x1150x490
Packing Dimensions	HxWxD (mm)	682x980x420	832x1058x420	832x1050x455	832x1050x455	1390x1050x455	1375x1055x430	1390x1055x455	1545x1050x465	1520x1060x425	1720x1255x600
Unit Weight (Net)	Kg	40	60	80	90	102	103	106	130	132	168
Shipping Weight (Gross)	Kg	42	64	84	94	107	117	1111	135	135	193

Disclaimer:
Performance capacities listed are nominal, based on data extrapolated from Unico Consumer Products split ducted systems technical data.

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. Due to our policy of continuous improvement we reserve the right to make changes in all specifications without notice.



AS COOL AS IT GETS!