

CASSETTE TECHNICAL FEATURES

40KMC

Indoor unit		12	18	24	28	36	48	60
Electric heater	kW	1,5	1,5+1,0	1,5+1,0	2,0+1,0	2,0+1,0	2,0+1,0	2,0+1,0
Dehumidification	l/h	0,8	1,9	2,5	3,0	3,5	4,6	5,2
Air flow (l/m/h)	l/s	152/167/183	156/175/194	189/213/250	200/250/300	270/305/350	320/390/460	400/470/515
Sound pressure (l/m/h) 1	dB(A)	27/31/34	30/33/36	35/38/42	29/32/36	33/36/39	37/42/45	43/46/49
Sound power (l/m/h)	dB(A)	40/44/47	43/46/49	48/51/55	42/45/49	46/49/52	50/55/58	56/59/62
Dimensions (HxLxD)	mm	298/575/575	298/575/575	298/575/575	298/825/825	298/825/825	298/825/825	298/825/825
Weight	kg	17,5	19	19	36,0	38,0	38,0	41
Grille dimensions(HxLxD)	mm	30/720/720	30/720/720	30/720/720	30/960/960	30/960/960	30/960/960	30/960/960
Grille weight	kg	2,5	2,5	2,5	5,0	5,0	5,0	5
Power supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

38BC/BH 38GL/YY

Outdoor unit		12	18	24	28	36	48	60
Compressor type		rotary	rotary	rotary	rotary	scroll	scroll	scroll
Maximum pipe length (CO/HP)	m	15	30	40	40	50	50	50
Maximum height difference (CO/HP)	m	5	15	15	25	30	30	30
Chargeless pipe length (CO/HP)	m	10	8	8	8	8	8	8
Air flow (CO/HP)	m ³ /h	1540	1900/2400	1900/2600	2400	2400/3100	4900/4200	4900/4200
Sound power (CO/HP)	dB(A)	38 / 38	45 / 46	45 / 48	48 / 48	49 / 52	52 / 51	52 / 52
Sound pressure (CO/HP)	dB(A)	58 / 58	65 / 66	65 / 68	68 / 68	69 / 72	72 / 71	72 / 72
Dimensions (HxLxD) (CO)	mm	590x750x280	590x800x300	590x800x300	803x800x300	803x800x300	1264x800x300	1264x800x300
Weight (CO)	kg	33	45	51	65	65	92	94
Dimensions (HxLxD) (HP)	mm	590x750x280	590x800x300	803x800x300	803x800x300	803x800x300	1264x800x300	1264x800x300
Weight (HP)	kg	36	47	60	67	68	94	96
Flare connections	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 1/4	3/4 - 3/8	3/4 - 3/8	3/4 - 3/8
Starting current	A	28	50	56	37	39	54	64
Power supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	400-3-50	400-3-50	400-3-50	400-3-50

40KQV

Indoor unit		50	80	110	130
Dehumidification	l/h	1,7	1,8	3,7	4,5
Air flow (l/m/h)	l/s	190/210/250	200/250/300	320/385/455	420/465/525
Sound pressure (CO)	dB(A)	38/42/45	32/36/39	37/42/45	42/46/48
Sound power (CO)	dB(A)	51/55/58	45/49/52	50/55/58	55/59/61
Sound pressure (HP)	dB(A)	38/42/45	31/34/37	37/42/45	42/46/48
Sound power (HP)	dB(A)	51/55/58	44/47/50	50/55/58	55/59/61
Dimensions (HxLxD)	mm	298x575x575	298x825x825	298x825x825	298x825x825
Grille dimensions(HxLxD)	mm	19	38	38	38
Grille weight	mm	30x720x720	30x960x960	30x960x960	30x960x960
Weight	kg	3,1	6,5	6,5	6,5

38VYX

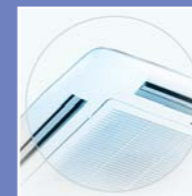
Outdoor unit (HP)		50	80	110	130
Compressor type		twin rotary	twin rotary	twin rotary	twin rotary
Maximum pipe length	m	30	50	50	50
Maximum height difference	m	30	30	30	30
Air flow (Min/Max)	m ³ /h	290/665	290/1110	-/1890	-/2085
Sound pressure (CO)	dB(A)	64	65	71	71
Sound power (CO)	dB(A)	53	54	60	60
Sound pressure (HP)	dB(A)	65	67	71	71
Sound power (HP)	dB(A)	54	56	60	60
Dimensions (HxLxD)	mm	595x780x270	795x900x320	1340x900x320	1340x900x320
Weight	kg	35	55	75	85
Flare connections	inch	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Starting current	A	12	15	22	23
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50

A breath of fresh air



40KMC
40KQV

Cassette



Reliability. Accurate tests guarantee Carrier products high quality standards
Certificated performances.
Certified Consumer safety.



www.carrier.com SOLUTIONS FOR A FRESHER WORLD™



SOLUTIONS FOR A FRESHER WORLD™



Simplicity

Performance, style, simplicity. In a word, Excellence



Style

Designed for commercial applications

For commercial use you need a system with the right combination of performance and flexibility, making it the natural choice of professionals, who recognise quality when they see it. Whether the application is a new development or is being refurbished, the Carrier cassette has the flexibility and style that make it unique.



Award-winning design

Designed with typical Italian flair and style, the Carrier CASSETTE is the winner of major European design awards.



Perfectly adjustable

The fresh air inlet allows intake of up to 10% fresh air from outside for constant air renewal. The Carrier patented grille profile offers excellent air throws without draughts. Motorised louvres allow six selectable air flow directions, continuous sweep or automatic positioning. The return air enters the unit at the centre, is filtered and can be distributed to 2, 3 or 4 sides. The fresh air intake and the additional outlet grille can be used to condition the air in an adjoining room by using one of the 4 air flow sides.



Perfectly quiet

The acoustic performance of the cassette is near perfect, thanks to the centrifugal fan with patented aerofoil blades, new heat exchanger and improved air management system.



Silence

Perfectly pure AIR4LIFE

AIR4LIFE, the innovative high-efficiency purification system, is much more effective than traditional activated carbon filters, and twice as fast.



PRE FILTER

ELECTROSTATIC FILTER

TITANIUM PHOTOCATALYTIC FILTER

AN INNOVATIVE ELECTRONIC INTERFACE

MyComfort.

An easy-to use remote control for precision comfort management, which stores preferred settings in the memory.



Room Controller.

Local network control by wire. This small and elegant wall-mounted control serves up to 6 units with the same operating settings.

1x6



Zone Manager.

Ideal for system monitoring, the building supervisor can control and program up to 32 different indoor units in 8 independent zones. The user can select four individual start/stop ranges per day for each zone.

8x32



A perfect fit

The Carrier cassette is compatible with all suspended ceiling systems in common use in shops and offices. It replaces one panel for an easy modular installation with a smart and stylish look.



INSTALLATION AND MAINTENANCE UNDER CONTROL

Ultra-light

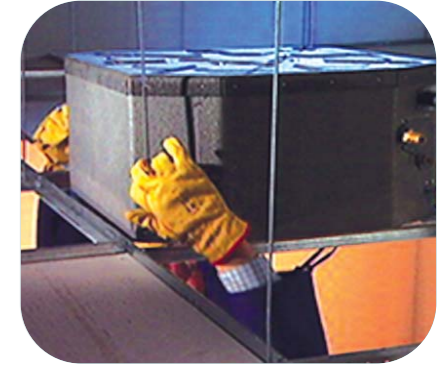
The Carrier unit (up to 6.23 kW) weighs only 19 kg and can be installed in six quick and easy stages:



Fix the ties to the ceiling.



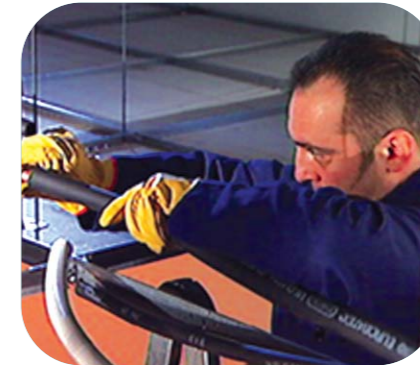
Position the unit in the suspended ceiling and fix it to the ties.



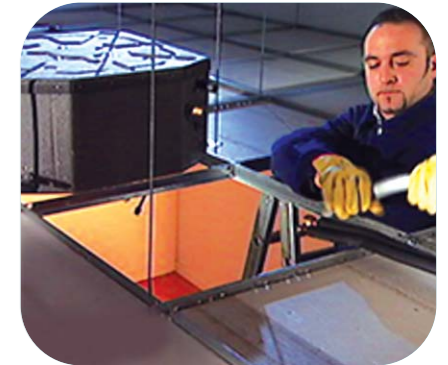
Adjust the height with the fixing nuts to align it with the ceiling.



Check that the alignment is correct and lock in place.



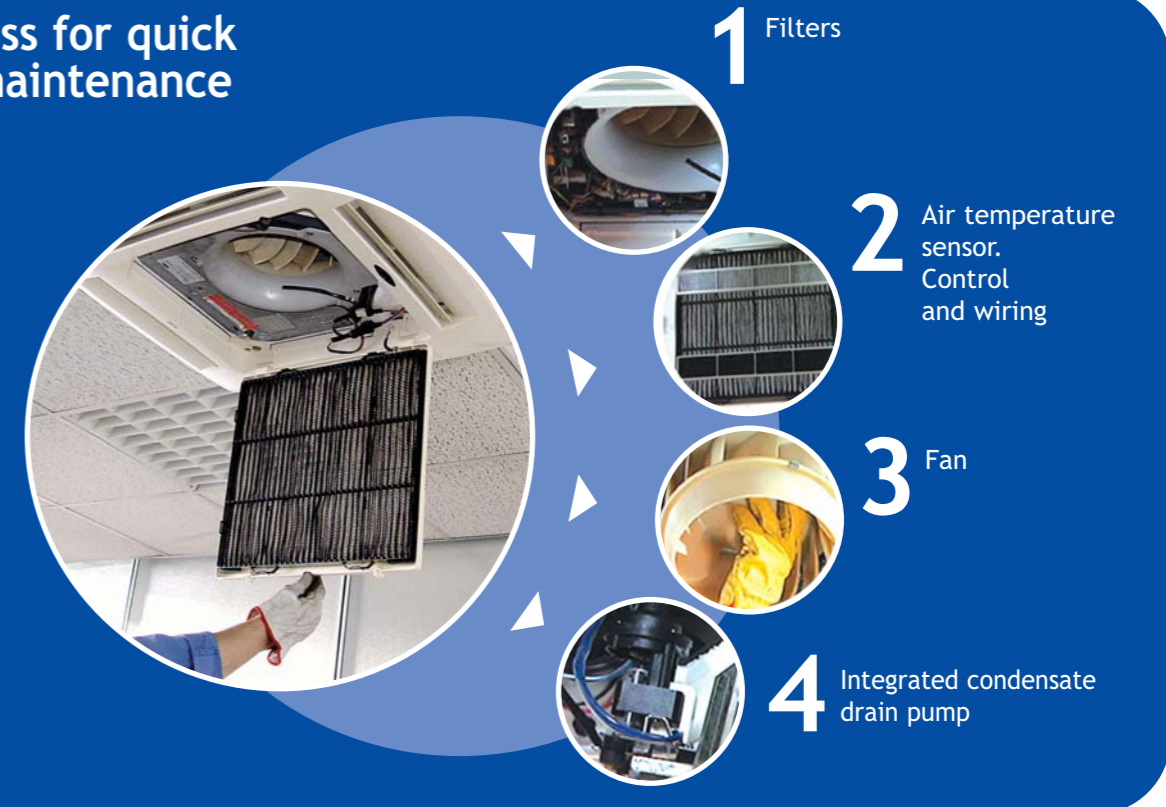
Connect up the refrigerant pipes



Connect up the condensation drain pipe. Now make the electrical connections and fit the grille.

Smart access for quick and easy maintenance

Simply opening the grille gives access to all the critical components:



A PRODUCT RANGE THAT GROWS IN LINE WITH YOUR NEEDS



The technology of well-being

The XPower cassette is the natural choice, allowing you to create an oasis of perfect well-being. It combines harmony in design with a considerable reduction in energy consumption.

Optimised comfort

With the power and the performance of the XPower systems you can reach the desired temperature in half the time it takes a traditional system and keep it constant all day and all year round.

Optimised quietness

Once the desired temperature has been reached, the XPower cassette is practically imperceptible and offers the highest acoustical comfort. Not only that. The DC twin-rotary inverter compressor minimises vibrations and assures minimised sound levels - also outside.

Maximised savings

40%

Thanks to the XPower DC inverter technology annual energy savings up to 40% are possible, compared with traditional air conditioners.

PAM and PWM. More power, more efficiency

The sophisticated XPower DC inverter technology combines two innovative control systems:

- PAM (Pulse Amplitude Modulation) to generate maximum power at start-up.
- PWM (Pulse Width Modulation) to optimise the efficiency once the ideal temperature has been reached.



40KQV

Indoor unit		40KQV050	40KQV080	40KQV110	40KQV130
Outdoor unit (HP)		38VYX050	38VYX080	38VYX110	38VYX130
Nominal cooling capacity	kW	4,85	6,60	10,30	12,40
Minimum cooling capacity	kW	1,50	2,20	2,20	3,00
Maximum cooling capacity	kW	5,25	7,90	11,50	13,50
Nominal power input	W	1830	2350	3610	4350
EER	W/W	2,65	2,81	2,85	2,85
Energy efficiency class (CO)		D	C	C	na
Annual energy consumption	kWh	915	1175	1805	-
EER 50%	W/W	4,00	4,50	4,00	3,50
Nominal heating capacity	kW	5,07	7,55	10,10	13,00
Minimum heating capacity	kW	1,50	2,2	2,2	3
Maximum heating capacity	kW	6,00	9	12	15
Nominal power input	W	1550	2350	3150	4050
COP	W/W	3,27	3,21	3,21	3,21
Energy efficiency class (HP)		C	C	C	na
COP 50% (3)	W/W	4,10	4,50	4,50	4,40

EXPERIENCE

A wide range of combinations

Carrier offers a range of products, renowned world-wide for their state-of-the art technology and highest efficiency levels. The Experience cassette with its elegant and compact design is available in a wide range of combinations covering all market requirements, both in terms of capacity and model choice.



40 KMC_N CASSETTE

Indoor unit		40KMC012-7N	40KMC018-7N	40KMC024-7N	40KMC028-7N	40KMC036-7N	40KMC048-7N	40KMC060-7N
Outdoor unit (CO)		38BC-012G	38GL-018G	38GL-024G	38GL-028G9	38GL-036G9	38GL-048G9	38GL-060G9
Cooling capacity (CO)	kW	3,58	5,59	6,1	8,28	9	10,9	13,6
Power input (CO)	W	1240	2180	2460	2880	3320	3540	4900
EER	W/W	2,89	2,56	2,48	2,88	2,71	3,08	2,78
Energy efficiency class (CO)		C	E	E	C	D	B	na
Annual energy consumption	kWh	620	1090	1230	1440	1660	1770	-
Outdoor unit (HP)		38BH-012G	38YY-018G	38YY-024G	38YY-028G9	38YY-036G9	38YY-048G9	38YY-060G9
Cooling capacity (CO)	kW	3,52	4,92	6,23	7,86	8,74	10,92	12,4
Power input (CO)	W	1160	2000	2560	3100	3470	3540	5220
EER	W/W	3,03	2,46	2,43	2,54	2,52	3,08	2,38
Energy efficiency class (CO)		B	E	E	E	E	B	na
Annual energy consumption	kWh	580	1000	1280	1550	1735	1770	-
Heating capacity	kW	3,78	5,38	7,02	8,03	8,94	10,87	13,24
Power input (HP)	W	1280	2160	2780	2640	2960	3490	4620
COP	W/W	2,95	2,49	2,53	3,04	3,02	3,11	2,87
Energy efficiency class (HP)		D	F	F	D	D	D	na

Indoor unit versatility

The same indoor unit can be installed in a single or multi-split application, both as a heat pump or cooling only unit.

MyComfort

All single and multi-split cassette systems use the innovative and user-friendly MyComfort infrared remote control.