

OUT



W E E R

other

HCAT 0152÷0604



Versions

B	base version
HT	high efficiency, high outdoor temperature version
LN	low noise version
SL	super-low noise version

Features

TOTAL VERSATILITY

Condensing units with scroll compressors in 4 versions, designed to satisfy all service system and application requirements.

CONTINUAL FAN SPEED CONTROL

The standard bi-compressor type HCAT units come fitted with continual fan speed control to guarantee more flexibility and adaptability

INTEGRAL SAFETY DEVICES

Standard units are all fitted with high and low pressure switches, high-pressure safety valve and magnetothermal circuit breakers on loads (bi-compressor unit only)

Condensing unit

38 - 160 kW

Unit Description

Outdoor split-system unit for connection with direct expansion coils or remote exchangers, with hermetic rotary scroll compressors, axial-flow fans, compressor inlet and outlet valves with servicing plugs and liquid tap. External panels in Peraluman and base in galvanised sheet steel with paint finish. Refrigerant R407C, units with two and four-compressors, two refrigerant circuits.



HCAT / B

Models		0152	0182	0202	0252	0302	0412	0512	0524	0604
COOLING										
Cooling capacity (1)	kW	37,7	47,0	54,7	66,5	79,8	112	139	141	160
Total power input (1)	kW	14,5	17,9	20,3	25,3	29,6	39,4	47,8	55,6	64,7
COMPRESSORS										
No. Compressors/No. Circuits	N.	2/2	2/2	2/2	2/2	2/2	2/2	2/2	4/2	4/2
NOISE LEVELS										
Sound power (2)	dB(A)	78	79	79	81	81	85	85	94	94
Sound pressure (3)	dB(A)	46	47	47	49	49	53	53	62	62
SIZE										
A	mm	1695	2195	2195	2745	2745	3245	3245	3110	3110
B	mm	1120	1120	1120	1120	1120	1120	1120	2220	2220
H	mm	1420	1420	1420	1420	1420	1620	1620	1700	1700
Operating weight	kg	510	570	600	675	775	910	980	1520	1600

Note:

- 1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.
- 3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

HCAT / HT

Models		0524	0604
COOLING			
Cooling capacity (1)	kW	146	170
Total power input (1)	kW	53,3	60,3
COMPRESSORS			
No. Compressors/No. Circuits	N.	4/2	4/2
NOISE LEVELS			
Sound power (2)	dB(A)	94	94
Sound pressure (3)	dB(A)	62	62
SIZE			
A	mm	3110	3110
B	mm	2220	2220
H	mm	1700	2150
Operating weight	kg	1620	1700

Note:

- 1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.
- 3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

HCAT / LN

Models		0524	0604
COOLING			
Cooling capacity (1)	kW	134	152
Total power input (1)	kW	54,6	64,5
COMPRESSORS			
No. Compressors/No. Circuits	N.	4/2	4/2
NOISE LEVELS			
Sound power (2)	dB(A)	86	86
Sound pressure (3)	dB(A)	54	54
SIZE			
A	mm	3110	3110
B	mm	2220	2220
H	mm	1700	1700
Operating weight	kg	1520	1600

Note:

- 1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.
- 3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

HCAT / SL

Models		0524	0604
COOLING			
Cooling capacity (1)	kW	132	152
Total power input (1)	kW	54,1	63,3
COMPRESSORS			
No. Compressors/No. Circuits	N.	4/2	4/2
NOISE LEVELS			
Sound power (2)	dB(A)	79	79
Sound pressure (3)	dB(A)	47	47
SIZE			
A	mm	3110	3110
B	mm	2220	2220
H	mm	1700	2150
Operating weight	kg	1620	1700

Note:

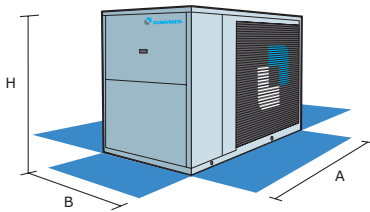
1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.

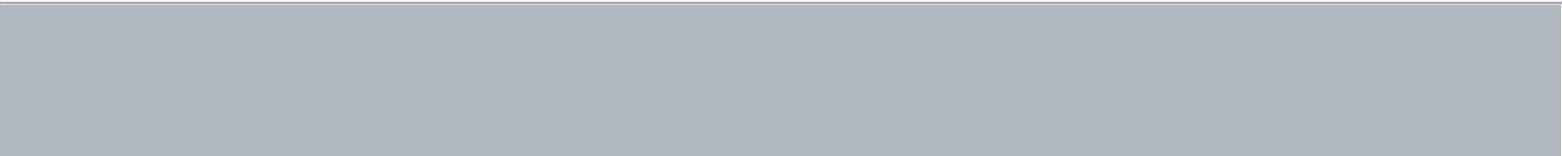
2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.

3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

Minimum clearance required

		0524-0604
Switchboard side	mm	600
Switchboard opposite side	mm	600
Condensation coil side	mm	1000





other

MCAT 0501÷1422



Versions

B	base version
HT	high efficiency, high outdoor temperature version
LN	low noise version
SL	super-low noise version

Features

TOTAL VERSATILITY

Condensing units with scroll compressors in 4 versions, designed to satisfy all service system and application requirements.

SEMI-HERMETIC RECIPROCATING COMPRESSORS

The MCAT units are fitted with semi-hermetic reciprocating compressors with the possibility of extra capacity control step

INCORPORATED LIQUID RECEIVER

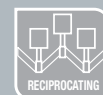
Standard units are all fitted with liquid receiver to ensure best operation of the condensing section

Condensing unit

119 - 325 kW

Unit Description

Outdoor split-system unit for connection with direct expansion coils or remote exchangers. Semi-hermetic reciprocating compressors, axial-flow fans, liquid receiver, compressor inlet and outlet valves with servicing plugs and liquid tap. External panels in Peraluman and base in galvanised sheet steel with paint finish. Refrigerant R407C, units with 1 or 2 compressors, single or double circuits.



MCAT / B

Models		0501	0601	0502	0602	0702	0802	0822	1002	1202	1222	1422
COOLING												
Cooling capacity (1)	kW	119	141	115	134	160	188	203	236	282	297	325
Total power input (1)	kW	46,7	55,9	42,8	51,2	68,2	81,0	80,3	93,9	112	*	*
COMPRESSORS												
No. Compressors/No. Circuits	N.	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
NOISE LEVELS												
Sound power (2)	dB(A)	*	*	*	*	*	*	*	*	*	*	*
Sound pressure (3)	dB(A)	*	*	*	*	*	*	*	*	*	*	*
SIZE												
A	mm	3110	3110	3110	3110	3110	3110	3110	3110	4110	*	*
B	mm	2220	2220	2220	2220	2220	2220	2220	2220	2220	*	*
H	mm	1540	1540	1540	1540	1540	1540	1990	1990	1990	*	*
Operating weight	kg	1260	1310	1350	1420	1500	1610	1690	1870	2060	*	*

Note:

- 1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.
- 3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

MCAT / HT

Models		0501	0601	0502	0602	0702	0802	0822	1002	1202	1222	1422
COOLING												
Cooling capacity (1)	kW	127	149	122	143	174	211	223	256	305	321	351
Total power input (1)	kW	46,6	55,5	43,2	51,5	63,9	76,5	77,3	89,5	109		
COMPRESSORS												
No. Compressors/No. Circuits	N.	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
NOISE LEVELS												
Sound power (2)	dB(A)	*	*	*	*	*	*	*	*	*	*	*
Sound pressure (3)	dB(A)	*	*	*	*	*	*	*	*	*	*	*
SIZE												
A	mm	3110	3110	3110	3110	3110	4110	4110	4110	5110		
B	mm	2220	2220	2220	2220	2220	2220	2220	2220	2220		
H	mm	1540	1540	1540	1540	1990	1990	1990	1990	1990		
Operating weight	kg	1330	1390	1430	1500	1640	1880	1890	2100	2340		

Note:

- 1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.
- 3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

MCAT / LN

Models		0501	0601	0502	0602	0702	0802	0822	1002	1202	1222	1422
COOLING												
Cooling capacity (1)	kW	115	135	111	129	154	179	195	226	271	285	312
Total power input (1)	kW	48,0	57,7	43,9	52,6	70,2	83,7	82,5	97,4	115		
COMPRESSORS												
No. Compressors/No. Circuits	N.	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
NOISE LEVELS												
Sound power (2)	dB(A)	*	*	*	*	*	*	*	*	*	*	*
Sound pressure (3)	dB(A)	*	*	*	*	*	*	*	*	*	*	*
SIZE												
A	mm	3110	3110	3110	3110	3110	3110	3110	3110	4110		
B	mm	2220	2220	2220	2220	2220	2220	2220	2220	2220		
H	mm	1540	1540	1540	1540	1540	1540	1990	1990	1990		
Operating weight	kg	1260	1310	1350	1420	1500	1610	1690	1870	2060		

Note:

- 1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.
- 3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

MCAT / SL

Models		0501	0601	0502	0602	0702	0802	0822	1002	1202	1222	1422
COOLING												
Cooling capacity (1)	kW	114	140	110	129	154	187	203	230	280	295	323
Total power input (1)	kW	49,0	56,7	44,9	53,3	67,9	80,9	79,9	95,4	113		
COMPRESSORS												
No. Compressors/No. Circuits	N.	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
NOISE LEVELS												
Sound power (2)	dB(A)	*	*	*	*	*	*	*	*	*		
Sound pressure (3)	dB(A)	*	*	*	*	*	*	*	*	*		
SIZE												
A	mm	3110	3110	3110	3110	4110	4110	4110	4110	5110		
B	mm	2220	2220	2220	2220	2220	2220	2220	2220	2220		
H	mm	1540	1990	1540	1990	1990	1990	1990	1990	1990		
Operating weight	kg	1370	1450	1460	1560	1780	1880	1890	2100	2340		

Note:

1 Saturated intake temperature = 5°C; Condenser air (in) = 35°C.

2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units.

3 Average sound pressure level, at 10m distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level.

Minimum clearance required

		0501-1422
Switchboard side	mm	1500
Switchboard opposite side	mm	1100
Condensation coil side	mm	2000

