

High precision air conditioners (HPAC)

# BRE 007m - 190b



## Remote condenser for R410A with AC axial fans 6,93-187 kW

Remote condensers with axial-type fan(s) for outdoor installation. Installation may be vertical with a horizontal air outflow or, using special brackets, horizontal with an upward air outflow. The very low noise, adjustable-speed fans are excellent for use in both technological and civil applications. BRE units operate with a single-phase 230V/1ph/50Hz and 400V/3ph/50Hz (only for BRE190b) power supply totally independent and separate from the indoor unit ACCURATE. These condensing units are therefore also suited for use without being directly connected to indoor units. BRE units are not provided with integrated fans speed regulator per standard. However, CLIMAVENETA can provide such fans speed regulator as OPTIONAL, by installing it directly inside the indoor unit ACCURATE.

### Version

BASIC	Basic
LN	Low noise
LT	Low temperature

### Configurations

-	basic function
---	----------------

### Features

**ELECTRIC FANS** of an axial type, statically and dynamically balanced on two levels, with blades in an inoxidable material and external rotor motor suitable for adjusting the speed, all mounted on a metal supporting grid in conformity with safety regulations. The motors are to VDE 0530-12.84. The protection rating is IP54 to DIN40050.

**CONDENSING COIL:** the combination of innovative corrugated fins with the use of smooth pipes on the exchanger ensures excellent heat transfer with a minimum amount of fluid. The heat exchangers consist of aluminium fins and copper pipes.

**REFRIGERANT CIRCUIT CONNECTIONS** are arranged along one side of the unite and are to be welded for safe connection that prevents any fluid leak.

### Accessory

- Legs kit for vertical air flow
- Copper-Copper coil
- Epoxy coated coil (for fins only)
- Cataphoresys coil treatment



BRE / BASIC			007m	014m	022m	027m	044m	051m	054b
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
<b>PERFORMANCE</b>									
<b>NOMINAL SPECIFICATIONS</b>									
Rated capacity	(1) kW		6,93	13,4	21,7	26,6	43,5	50,4	53,3
No. Circuits	N°		1	1	1	1	1	1	2
Total power input	(1) kW		0,18	0,27	0,60	0,60	1,20	1,20	1,20
<b>FANS</b>									
Air flow	m³/h		2300	5000	8200	7200	16400	15200	14400
<b>NOISE LEVEL</b>									
Noise Pressure Level	(2) dB(A)		43	40	46	46	49	49	49
<b>SIZE AND WEIGHT</b>									
Dimension A	(3) mm		753	1240	1360	1360	2360	2360	2360
Dimension H	(3) mm		584	764	1070	1070	1070	1070	1070
Dimension B	(3) mm		320	494	580	580	580	580	580
Weight	(3) kg		20	72	85	102	137	153	167

BRE / BASIC			065b	065m	076b	100b	116b	134b	190b
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50
<b>PERFORMANCE</b>									
<b>NOMINAL SPECIFICATIONS</b>									
Rated capacity	(1) kW		65,1	65,1	76,2	100	116	134	187
No. Circuits	N°		2	1	2	2	2	2	2
Total power input	(1) kW		1,80	1,80	1,80	2,40	3,00	3,00	5,82
<b>FANS</b>									
Air flow	m³/h		24600	24600	22800	28800	38000	35850	53000
<b>NOISE LEVEL</b>									
Noise Pressure Level	(2) dB(A)		51	51	51	52	53	53	53
<b>SIZE AND WEIGHT</b>									
Dimension A	(3) mm		3360	3360	3360	4360	5360	5360	4815
Dimension H	(3) mm		1070	1070	1070	1070	1070	1070	1328
Dimension B	(3) mm		580	580	580	580	580	580	965
Weight	(3) kg		191	191	213	302	339	374	550

Notes:

1 Exchanger air (in) 35 °C; ΔT = 13 K

2 Sound pressure measured at 10 m in open field conditions

3 Unit in standard configuration/execution, without optional accessories.

BRE / LN			007m	014m	022m	027m	044m	051m	054b
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
<b>PERFORMANCE</b>									
<b>NOMINAL SPECIFICATIONS</b>									
Rated capacity	(1) kW		9,60	14,1	20,0	28,2	42,3	50,0	55,3
No. Circuits	N°		1	1	1	1	1	1	2
Total power input	(1) kW		0,13	0,33	0,26	0,66	0,99	0,99	0,99
<b>FANS</b>									
Air flow	m³/h		3600	6000	6500	12000	18000	16500	16000
<b>NOISE LEVEL</b>									
Noise Pressure Level	(2) dB(A)		30	37	35	39	41	41	41
<b>SIZE AND WEIGHT</b>									
Dimension A	(3) mm		1240	1360	2120	2360	3360	3360	3360
Dimension H	(3) mm		764	1070	764	1070	1070	1070	1070
Dimension B	(3) mm		500	580	494	580	580	580	580
Weight	(3) kg		61	85	125	137	191	213	235

BRE / LN			065b	065m	076b	100b	116b	134b	190b
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50
<b>PERFORMANCE</b>									
<b>NOMINAL SPECIFICATIONS</b>									
Rated capacity	(1) kW		73,1	73,1	75,5	99,1	118	134	187
No. Circuits	N°		2	1	2	2	2	2	2
Total power input	(1) kW		1,32	1,32	1,32	1,65	2,52	2,52	3,20
<b>FANS</b>									
Air flow	m³/h		22000	22000	20300	27050	28560	28560	58000
<b>NOISE LEVEL</b>									
Noise Pressure Level	(2) dB(A)		42	42	42	43	43	43	45
<b>SIZE AND WEIGHT</b>									
Dimension A	(3) mm		4360	4360	4360	5360	5560	5560	6290
Dimension H	(3) mm		1070	1070	1070	1070	1070	1070	1328
Dimension B	(3) mm		580	580	580	580	615	615	965
Weight	(3) kg		276	276	302	339	358	391	661

Notes:

1 Exchanger air (in) 35 °C; ΔT = 13 K

2 Sound pressure measured at 10 m in open field conditions

3 Unit in standard configuration/execution, without optional accessories.