

PERFORMANCE**Black HT Evo 65****COOLING MODE****OUTDOOR CONDITIONS**

External Air Temperature	°C	35.0
External Air humidity	%	49.8

FANS

Air Flow	m ³ /h	20551
Nominal Current	A	3.23
Fans power input	kW	1.65

HEAT EXCHANGER USER SIDE

Type		BPE
Fluid Inlet Temperature	°C	12.0
Fluid Outlet Temperature	°C	7.0
Fluid type		Water
Glycol	%	-
Fouling Factor	m ² K/kW	0.000
Water flow	m ³ /h	9.336
Pressure drops	kPa	19.3

COOLING - EN 14511-2018

Cooling capacity	kW	54.2
Total power input	kW	19.4
EER	W/W	2.79

HEATING MODE**OUTDOOR CONDITIONS**

External Air Temperature	°C	-5.0
External Air humidity	%	86.9

FANS

Air Flow	m ³ /h	21545
Nominal Current	A	3.82
Fans power input	kW	1.99

HEAT EXCHANGER USER SIDE

Type		BPE
Fluid Inlet Temperature	°C	68.0
Fluid Outlet Temperature	°C	75.0
Fluid type		Water
Glycol	%	-
Fouling Factor	m ² K/kW	0.000
Water flow	m ³ /h	3.896
Pressure drops	kPa	3.3

HEATING - EN 14511-2018

Heating Capacity	kW	31.1
Total power input	kW	16.9
COP	W/W	1.84

According to standard: EN 14511-2018

RefWeb: ver 2.3.1

The performance shown are obtained from theoretical calculations and tolerances will apply

SCOP - EN 14511-2018 – Medium temperature (reg.811/2013 Medium Temperature)

Climate		Colder	Average	Warmer
Application Temperature	°C	-	55.0	-
Temperature		-	Variable	-
Bivalent Temperature	°C	-	-5	-
PDesign	kW	-	49.5	-
Qhe	kWh	-	23503	-
SCOP	kW	-	2.95	-
Rendimento (Reg. 811/2013 UE)	%	-	115	-
Seasonal efficiency class		-	A+	-

SEER - Variable outlet - Medium temperature

Load	%	100	74	47	21
Outdoor temperature	°C	35.0	30.0	25.0	20.0
Cooling capacity	kW	53.7	44.7	47.6	50.7
EER	-	2.75	3.08	3.52	4.10
SEER	-	3.21			

The performance shown are obtained from theoretical calculations and tolerances will apply

TECHNICAL INFORMATION**FANS**

Fans Type		Axial
Fans control		AC cut-off
Fans Number	N°	1

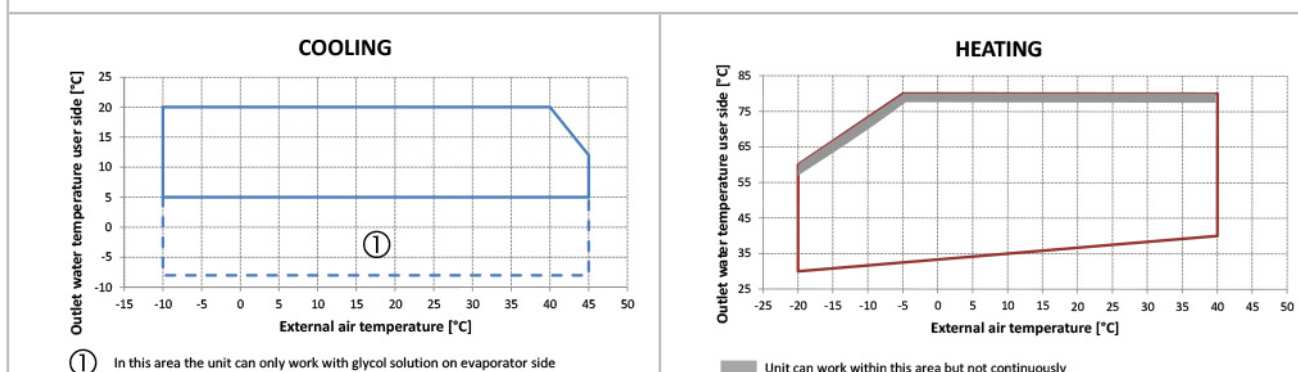
COMPRESSORS

Compressors Type		Reciprocating
Compressors Number	N°	1
N° Circuits	N°	1
Refrigerant		R134a
Capacity Steps	-	2
Refrigerant Charge	kg	20.0
Max Absorbed Power	kW	25.0
Max Absorbed Current	A	60.2

NOISE DATA

Sound Power Level	dB(A)	89
Sound Pressure Level [10.0 m]	dB(A)	57

Noise pressure is calculated according to the following sound propagation method: Hemispherical ISO EN 3744 source

OPERATING LIMITS

Pay attention to respect the above operating limits: each selected units only work inside the specific area.

ELECTRICAL DATA

Power Supply	ph/V/Hz	3/380-430/50.0
Max Absorbed Power	kW	27.3
Max Absorbed Current	A	64.6
Max Inrush Current	A	149

The performance shown are obtained from theoretical calculations and tolerances will apply