

Refrigerant Dryer KT-S175

Rev 01_0425

Technical data sheet

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Reference conditions according to DIN/ISO 7183	Unit	Design data
Rated Air Flow max.	m ³ /h	175
Working pressure	bar g	7
Dewpoint	°C	+ 3
Air Inlet Temperature	°C	+ 35
Ambient Temperature	°C	+ 25

Data under Operating Conditions	Unit	Design data
Rated Air Flow max.	m ³ /h	175
Working Pressure max.	bar g	16
Dewpoint	°C	+ 3
Ambient temperature max.	°C	+ 50
Air Inlet Temperature max.	°C	+ 60
Pressure drop	mbar	250

General Data	Unit	Design data
Cooling	Type	Air cooled
Refrigerant	Type	R134a
Refrigerant Quantity	Kg	0,76
Number of Heat Exchangers	Pcs.	1
Heat Exchanger	Type	Brazed plate
Heat Rejection Capacity max. at 45°C	W	1564
Compressor	Type	hermetic
Condenser Air Flow	m ³ /h	700
Working Pressure max.	bar g	16
Air Inlet Temperature max.	°C	+ 60
Condenser Fans	Pcs.	1
Fan Size	Ø mm	300
Drain Type	Type	KN1
Air Outlet Temperature	°C	25 - 30 at 35°C air inlet temperature
Relative Humidity	%	100

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Electrical Data	Unit	Design data
Total installed power	kW	0,50
Nominal operating ampacity	A	4
Voltage	V/Ph/Hz	230 / 1 / 50
Electrical protection class according IEC		IP 54
Controller	Type	CAREL easy PJS8
Fuse	A	4

Dimensions and weights	Unit	Design data
Height (H)	mm	620
Length (T)	mm	600
Width (B)	mm	430
Compressed air connection size	Inch	G1" female
Total weight	Kg	48
Drain connection size	Inch	G3/8" male with hose holder for tube Ø10-12mm

Dimensional drawings

