



ENERGY

tecalor

TVZ 280 FRG



48
dB



350 m³/h



2016

1254/2014

Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

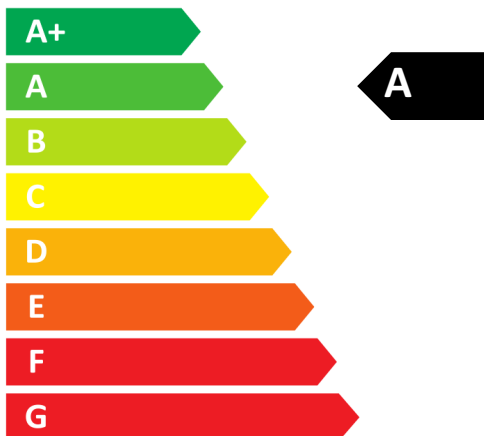
		TVZ 280 FRG
		190575
Manufacturer		tecalor
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m²a)	-72,98
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m²a)	-37,73
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m²a)	-14,91
Energy efficiency class under colder climate conditions with central demand-dependent control		A+
Energy efficiency class under average climate conditions with central demand-dependent control		A
Energy efficiency class under warmer climate conditions with central demand-dependent control		E
Ventilation unit type		Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	75,9
Max. air flow rate	m³/h	350
Max. power consumption	W	105
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,068
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,19
Control factor, central demand-dependent control		0,85
Internal air leakage quota	%	1,14
External air leakage quota	%	0,32
Annual power consumption under colder climate conditions with central demand-dependent control	kWh/a	781
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	244
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	199
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	8310
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4248
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	1921



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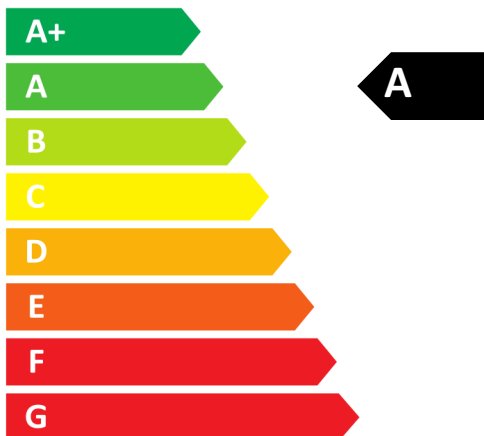
		TVZ 280 FRG
		190575
Manufacturer		tecalor
Specific energy consumption under colder climate conditions with time control	kWh/(m²a)	-69,56
Specific energy consumption under average climate conditions with time control	kWh/(m²a)	-35,04
Specific energy consumption under warmer climate conditions with time control	kWh/(m²a)	-12,64
Energy efficiency class under colder climate conditions with time control		A+
Energy efficiency class under average climate conditions with time control		A
Energy efficiency class under warmer climate conditions with time control		E
Ventilation unit type		Zwei Richtungen
Drive type		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	75,9
Max. air flow rate	m³/h	350
Max. power consumption	W	105
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,068
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,19
Control factor, time control		0,95
Internal air leakage quota	%	1,14
External air leakage quota	%	0,32
Annual power consumption under colder climate conditions with time control	kWh/a	831
Annual power consumption under average climate conditions with time control	kWh/a	294
Annual power consumption under warmer climate conditions with time control	kWh/a	249
Annual heating savings under colder climate conditions with time control	kWh/a	8160
Annual heating savings under average climate conditions with time control	kWh/a	4171
Annual heating savings under warmer climate conditions with time control	kWh/a	1886



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Manufacturer		tecalor
Specific energy consumption under colder climate conditions with manual control	kWh/(m²a)	-68,14
Specific energy consumption under average climate conditions with manual control	kWh/(m²a)	-33,99
Specific energy consumption under warmer climate conditions with manual control	kWh/(m²a)	-11,80
Energy efficiency class under colder climate conditions with manual control		A+
Energy efficiency class under average climate conditions with manual control		B
Energy efficiency class under warmer climate conditions with manual control		E
Ventilation unit type		Zwei Richtungen
Drive type		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	75,9
Max. air flow rate	m³/h	350
Max. power consumption	W	105
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,068
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,19
Control factor, manual control		1,00
Internal air leakage quota	%	1,14
External air leakage quota	%	0,32
Annual power consumption under colder climate conditions with manual control	kWh/a	858
Annual power consumption under average climate conditions with manual control	kWh/a	321
Annual power consumption under warmer climate conditions with manual control	kWh/a	276
Annual heating savings under colder climate conditions with manual control	kWh/a	8085
Annual heating savings under average climate conditions with manual control	kWh/a	4133
Annual heating savings under warmer climate conditions with manual control	kWh/a	1869