

Configuration

Model: WTR°8043BTD

Discontinued



Code	WTR
Diameter	800
Number of fans	4
Fan type	BTD
Number of rows	3
Fins type	Standard
Installation	Horizontal
Coil	2522 WO1 48 03 18 3880 047 T10L

Images are for reference purposes only and may not represent exactly the configured model in this document.

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Description	Quantity [n.]
WTR°8043BTD	1
1 junction box	1

As specified in the conditions of use, the technical data shown are not binding; Aermec reserves the right to make changes for improvements or corrections at any time.

Selection data		
Capacity	kW	269,7
Energy label referred to the calculation		C
Energy label in accordance with EN1048 with 30% ethylene glycol		D
Dry bulb air inlet temperature	°C	25,0
Dry bulb air outlet temperature	°C	35,7
Air flow	m³/s	21,7778
Height above sea level	m	0
Minimum winter air temperature	°C	-9,0
Inlet water temperature	°C	40,0
Outlet water temperature	°C	35,0
Temperature difference	°C	5,0
Ethylene glycol	%	30
Water flow rate	l/s	14,2022
Pressure drops	kPa	117

Fan group data		
Code		BTD
Number of fans	n.	4
Diameter	m	0,8
Driver		On-Off
Fan type		Axial
Fan speed	rps	15
Input power	kW	5,6
Input current	A	11,2
Total input power	kW	7,8
Full Load Amps (FLA)	A	15,6
Power supply		400V/3/50Hz

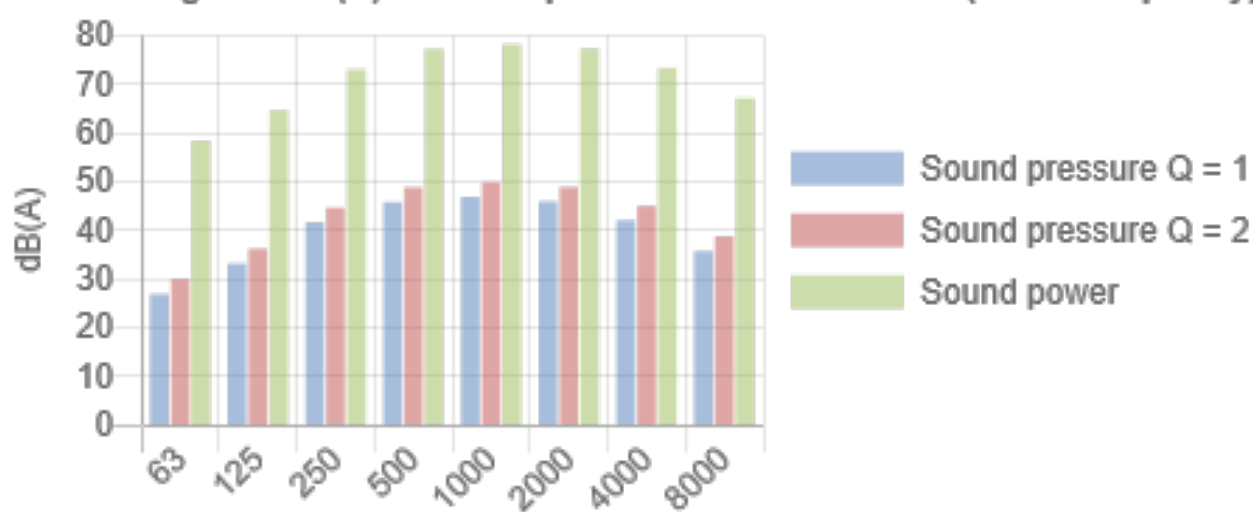
Water circuit data		
Coil		2522 WO1 48 03 18 3880 047 T10L
Number of feeds	n.	47
Number of rows	n.	3
Fins type		Standard
Connections type		Gas (male)
Water connections		2"1/2
Number of inlet / outlet manifolds per unit	n.	2 / 2
Inlet / outlet connections for manifold		Single
Internal volume	dm³	80,0
External area of the exchangers	m²	630,5

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Sound data		
Sound pressure at 10 m - Q = 1	dB(A)	52,0
Sound pressure at 10 m - Q = 2	dB(A)	55,0
Sound power - Lw	dB(A)	83,5

Sound spectrum for octave bands (center frequency)								
	63 [Hz]	125 [Hz]	250 [Hz]	500 [Hz]	1000 [Hz]	2000 [Hz]	4000 [Hz]	8000 [Hz]
Sound pressure Q = 1	26,9	33,2	41,6	45,8	46,8	45,9	42,0	35,7
Sound pressure Q = 2	29,9	36,2	44,6	48,8	49,8	48,9	45,0	38,7
Sound power	58,3	64,6	73,0	77,2	78,2	77,3	73,4	67,1

Sound diagrams dB(A) - Sound spectrum for octave bands (center frequency)



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Dimensions and weights			
Installation		Horizontal	
Height	m		1,59
Width	m		1,1
Length	m		4,25
Empty weight	kg		743

The dimensions and weight refer to the unit without packaging. For these data, consult the installation manual.