

CALC98 EXAMPLE

Offer

Rev.

COOLING COIL

Contact	
Delivery Schedule	
Goods rendered	delivered
Packing	Included
Payment	As usual
Offer validity	30 days
24 months guarantee according to DBM sales terms	

Note

DESIGN DATA

CC User-122-00097/1 3 -1000

Rel. 3.2 03-01-2011

EXTERNAL FLUID: Air

Ambient pressure	mmHg	760		
Capacity	kW	147.64		
Gas quantity	Sm³/s	6		
Air treated weight	kg/h	26012	Sensible heat factor	0.70
Inlet temperature	°C	28.00	Condensed water	kg/h 62.10
Relative humidity	%	50.00	Actual velocity	m/s 1.98
Outlet temperature	°C	14.00	Pressure drop	pa 155+0
Outlet relative humidity	%	95.22	Dry fin pressure drop	Pa 72

INTERNAL FLUID: Water

Inlet temperature	°C	6.00	Pressure drop	kPa 25.20
Outlet temperature	°C	12.00	Density	999
Liquid weight	kg/h	21136	Viscosity	1.35
Liquid volume	l/h	21147	Conductivity	0.59
Actual velocity	m/s	0.76	Specific heat	4190.07

N°1 Coil Cu-Al-FeZn P60AR 7R-23T-2300A-2.0pa 40C 2"

TECHNICAL FEATURES

Tubes	Cu	16.45 x 0.40	mm	Weight	335	Kg
Fins	Al	0.1	mm	Internal volume	85	dm ³
Frame	FeZn	2.0 / 2.00	mm	Total exchange surface	604.76	m ²
Manifolds material	Cu			PED 97/23/CE Classificat	Article 3.3	
Connect. Material	Brass			Maximum allowable press	21.0	bar
Threads type	EN 10226-2			Min/Max allowable tem	-20/120	°C

ACCESSORIES

PTFE Eliminator. Integrated type.
Sloped tray Inox304 1.5 mm
Intermediate tray Inox304 1.5 mm

Certified calculation

