



Technical Datasheet

1 CXVE 341-1012-30L

Main Accessories :

THERMAL DESIGN DATA

Requested capacity (overall/unitary)	1525 kW
Max. capacity (overall/unitary) (@100 % RPM).....	1525 / 1525 kW
Fluid type	NH3-R717
Suction temperature	N/A °C
Condensing temperature	35.0 °C
Entering wet bulb temp	24.0 °C
Entering dry bulb temp	34.0 °C
Operating mode	Wet

PHYSICAL DATA (including accessories) - UNITARY

Overall length	4121 mm
Standard unit	3651 mm
Pump 1	470 mm
Overall width	2997 mm
Standard unit	2997 mm
Overall height	6080 mm
Standard unit	6080 mm
Shipping / operating weight	6560 / 9530 kg
Standard unit	6560 / 9530 kg
Heaviest section	4600 kg
Material option	BALTIPLUS
Overflow diameter	(1x)ND 80 mm
Make up diameter	(1x)ND 40 mm
Drain diameter	(1x)ND 50 mm
Number of coils per unit	1
Exact unit dimensions and weights may be influenced by accessories/option combinations.	

EVAPORATIVE COIL DATA - UNITARY

Evaporative coil type	Bare / HDG
-----------------------------	------------

Evaporative coil arrangement	Wet coil - 1pass
Evaporative coil inlet connections	(1x) ND 100
Evaporative coil outlet connections	(1x) ND 100
Evaporative coil volume	(1x) 995.0 l
Evaporative coil surface	(1x) 177.0 m ²
Evaporative coil dry weight	(1x) 2444.0 kg

ELECTRICAL DATA - UNITARY

Fan motor

General

Fan motor BHP (Net mechanical output power at motor shaft)	(2 x) 10.0 kW
Fan motor oversized for	

Total ESP	0 Pa
-----------------	------

Accessories total external static pressure	0 Pa
--	------

Customer external static pressure	0 Pa
---	------

Dry operation allowed	No
-----------------------------	----

Fan motor voltage	400 V
-------------------------	-------

Frequency	50 Hz
-----------------	-------

Protection class	IP55
------------------------	------

Mounting	V6
----------------	----

Single speed

Fan motor power	(2 x) 11.0 kW
-----------------------	---------------

Efficiency level fan motor	IE3
----------------------------------	-----

Fan full load current (Nominal Voltage)	(2 x) 21.2 A (400 V)
---	------------------------

Fan synchrone speed	1500 RPM
---------------------------	----------

Framesize	160
-----------------	-----

Spray pump motor power	(1x) 5.5 kW
------------------------------	-------------

Efficiency level pump motor	IE3
-----------------------------------	-----

Spray pump motor voltage	400 V
--------------------------------	-------

Frequency	50 Hz
-----------------	-------

Spray pump full load current	(1x) (11.5 A) 400 V
------------------------------------	----------------------

Spray pump synchrone speed	1500 RPM
----------------------------------	----------

Protection class

Mounting

Framesize	132
-----------------	-----



Technical Datasheet

* Note: For indicative cable sizing the "Fan Full Load Current" and the corresponding "Nominal Voltage" have to be used.

* To prevent moisture ingress in fan motors installed in the wet discharge air stream, these fan motors have space heaters. The space heaters should be activated whenever the fan motor is idle. Units with motors outside the unit do not have space heaters as standard execution but are available as an option.

AERODYNAMICAL DATA - UNITARY

Air flow (100% RPM/100% RPM).....	38.8 / 38.8 m³/s
Number of fans	2
Fan type	Axial
Approximate Fan speed	611 RPM

REFRIGERANT DATA

Total pressure drop (@1525.0 / 1525.0).....	5 / 5 kPa
Standard unit	5 / 5 kPa
NH3-R717 charge	143.0 kg

HYDRAULICAL DATA - UNITARY

Spray water flow	(1x) 54.6 l/s
Maximum evaporation	0.577 / 0.577 l/s
Bleed (cycles of concentration 2.5).....	0.385 / 0.385 l/s
Make-Up (cycles of concentration 2.5).....	0.962 / 0.962 l/s
Pan volume operating	1114 l
Pan volume overflow	2952 l
Pressure range mechanical make-up valve	1 to 4,5 bar

Acoustical data (Standard unit no attenuation)

100 % RPM (@ 15.0 m).....	62 dB(A)
Sound Power Level (@100 %RPM).....	99.0 dB(A)
All acoustical data as sound pressure levels at quietest side of unit at indicated distance	

ACCESSORIES - Motor accessories UNITARY

PTC (only) (for fan motor) (optional)
Protective coating for hostile/corrosive environment (fan motor)
Space heaters (induced draft)

Customer :CanTek
Project :Project 7
Office :
User :deac

Tropicalization (for fanmotors)

ACCESSORIES - Winterisation package UNITARY

Pan heater package 1*10 kW (provides freeze protection to -18°C ambient) (optional)	
1 stage thermostat	
Rating (@250VAC)	10 A
Protection class	IP 54
Contacts	NO and NC
Temperature range	-20..50 °C
Low level cut out switch with integral stilling chamber	
Contacts	NO or NC
Voltage	240 VAC
Rating (@240VAC)	1 A
Index of protection	IP 65
Heater 10 kW	
Rating (@400VAC)	0000 A
Power	10 kW

ACCESSORIES - Installation & maintenance package UNITARY

Additional access door opposite end (standard)
Internal service platform
Internal lower walkway

ACCESSORIES - Instrumentation UNITARY

Low level cut out switch with integral stilling chamber (optional)	
Voltage	240 VAC
Index of protection	IP 65
Contacts	NO or NC
Rating (@240VAC)	1 A

ACCESSORIES - Other Net Adds UNITARY

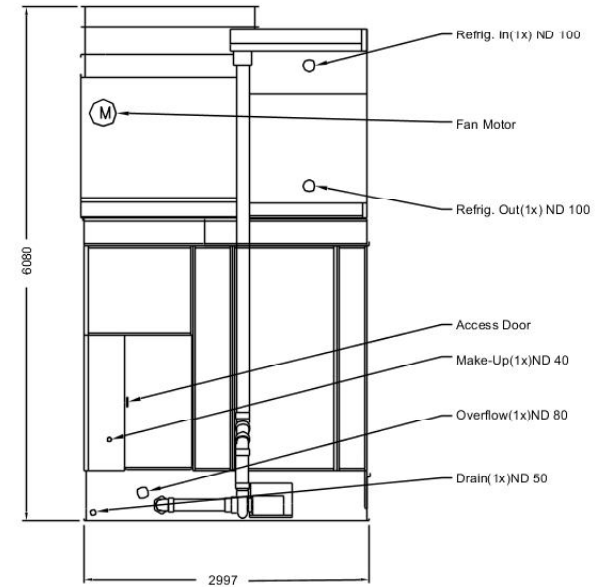
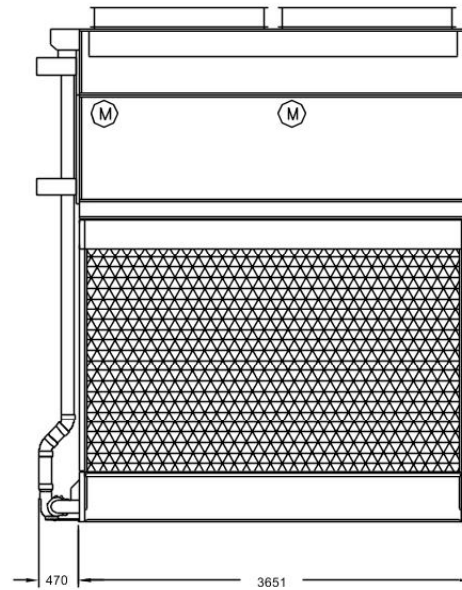
Internal Coil Corrosion protection (flanges,if applicable, are shipped loose)

note

For safety reasons ladders are only allowed in combination with railing.

This drawing is the property of Baltimore Aircoil Company. It is not to be copied or used, directly or indirectly, in whole or in part, to assist in making or to furnish any information for the making of drawings or other reproductions hereof, or for the making of any part or component part shown therein, without the written consent of Baltimore Aircoil Company. This drawing is loaned with the expressed agreement that the drawing and information contained therein are the property of Baltimore Aircoil Company. The acceptance of this drawing will be construed as an acceptance of the foregoing agreement.

General Arrangement



Notes:

- 1) Drawing is not to scale, reflects a typical standard unit arrangement and can only be used for indicative purposes. Exact unit dimensions and weights may be influenced by accessories/option combinations.
- 2) Please refer to the technical datasheet for the specific unit configuration (qty. fans, qty. fan motors, accessories, location of connections and terminal boxes,...).
- 3) The drawing shown is a RIGHT HAND unit.

	Length (mm)	Width (mm)	Height (mm)	Shipp. weight (kg)	Oper. weight (kg)
Total	4121	2997	6080	6560	9530

			DWG. BY.:	DATE:	CXVE 341-1012-30L
			CHK'D BY.:	DATE:	
NO.	DATE	REVISIONS			CUSTOMER
BALTIMORE AIRCOIL INTERNATIONAL N.V. HEIST OP-DEN BERG, BELGIUM www.BaltimoreAircoil.com © 2009 Baltimore Aircoil International nv					
					 DWG. NO.