



**CUSTOMER :** POST KOUDETECHNIEK BV  
 Postbus 306  
 NL-5201 AH 'S HERTOGENBOSCH  
 Nederland

**Date :** 13.09.96  
**P.O. No. :** A62505  
**B.A.C. No. :** 96-1481 H  
**Model No. :** VXC-620 R  
 Left hand unit

**PROJECT :**

**REPRESENTATIVE:** Thermica B.V.

**CERTIFIED CAPACITY :** 2050 KW, 35°C Cond.temp., - °C Suct. temp. at 20°C entering wet bulb.  
 R22 Refrigerant

**FAN MOTOR (S) :** 18,5 + 5,5 KW, 1450 RPM, 3 Phase, 50 Hertz, 380/660 Volts  
 "BALTI GUARD"-execution

Drives based on 0 Pa E.S.P.

**PUMP (S) :** 4 KW, 3000 RPM, 3 Phase, 50 Hertz, 220/380 Volts

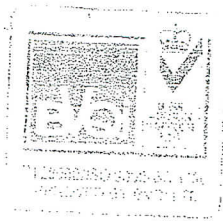
Nominal spray pressure is max 14 kPa

**Submittal Data :** 3 Copies for Record

	DWG. NO.		DWG. NO.
* Unit certified print	CP96-1481H	* Coil connections beveled for welding	
* Steel Support	M 2018 S		
Weight Loading			
Remote Sump connection less float valve & strainer, less pump			
Fan discharge dampers			
Electric damper controls			
Electric water level controls			
* Electric pan heaters, 2 x 5 KW 220/380 V., 3 ph., 50 Hz.	BAC 5367 E		
* Low level cut out switch	BAC 5367 E		
* Fan motor wiring diagram	8304/27 A		
* Suggested electrical wiring diagram			

**REMARKS :**

- \* Split coil: Circuit 1: 2050 KW - 35/20°C - R 22  
 Circuit 2: 6,18 l/s - H2O + 30% EG - ΔT = 5°C  
 Δ P = 75 kPa
- \* Factory certificate in accordance with German Pressure Vessel Code, PKL2



**Baltimore Aircoil International N.V.**

INDUSTRIEPARK 2020 HEIST-OP-DEN-BERG, BELGIUM

**FACTORY CERTIFICATE FOR PRESSURE VESSELS**

According to § 9 Section 2 of the German pressure vessel regulations we certify that this pressure vessel

Ordernr. : **A62505**

Serialnr. : **96-1481 H A**

Year of construction **1996**

Type **VXC-620 R**

Max. working pressure **24 bar**

Max. working temperature **120°C**

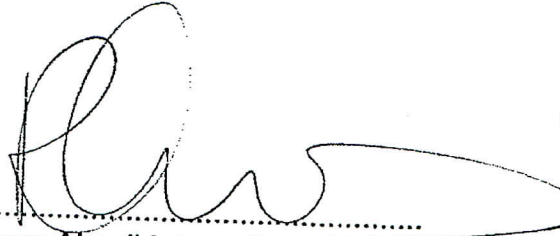
Volume **1052 l**

has been tested at an air pressure of 31,2 bar.

A visual inspection test has also been executed.

The above tests were carried out with good results.

Heist-op-den-Berg , 15/10/96  
Place , Date

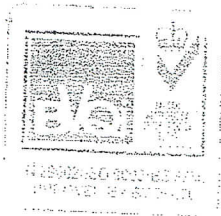
  
Baltimore Aircoil International N.V.

Tel. (015) 24 47 70  
Telex 24006  
Fax (015) 24 47 79

BTW 404.839.320  
Reg. number 022713  
H.R. Mechelen 64 929

GB 230-0012088-03  
PARIBAS 551-3552000-63

SAINT-PIERRE  
PARIS  
INDUSTRIE



**Baltimore Aircoil International N.V.**

INDUSTRIEPAAR 2400 HEIST-op-den-BERG, BELGIUM

**FACTORY CERTIFICATE FOR PRESSURE VESSELS**

According to § 9 Section 2 of the German pressure vessel regulations we certify that this pressure vessel

Ordernr. : **A62505**

Serialnr. : **96-1481 H B**

Year of construction **1996**

Type **VXC-620 R**

Max. working pressure **24 bar**

Max. working temperature **120°C**

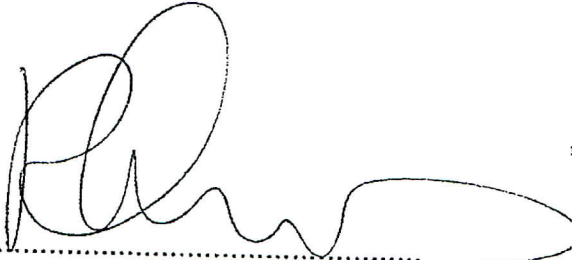
Volume **807 l**

has been tested at an air pressure of 31,2 bar.

A visual inspection test has also been executed.

The above tests were carried out with good results.

Heist-op-den-Berg , 15/10/96  
Place , Date

  
Baltimore Aircoil International N.V.

Tel (015) 24 47 70  
Telex 24006  
Fax (015) 24 47 79

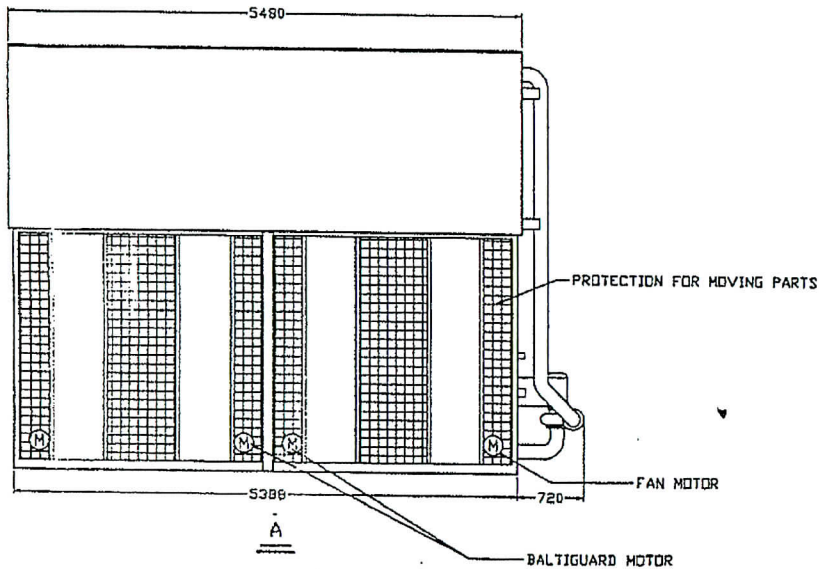
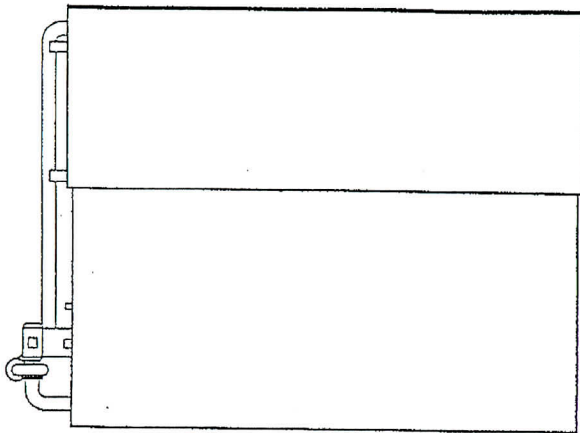
BTW 434.839.320  
Reg. aannemer 022710  
H.R. Mechelen 64 929

GB 200-0312886-83  
PARIBAS 551-3552900-53

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P A S S I E R E S  
I N D U S T R I E S



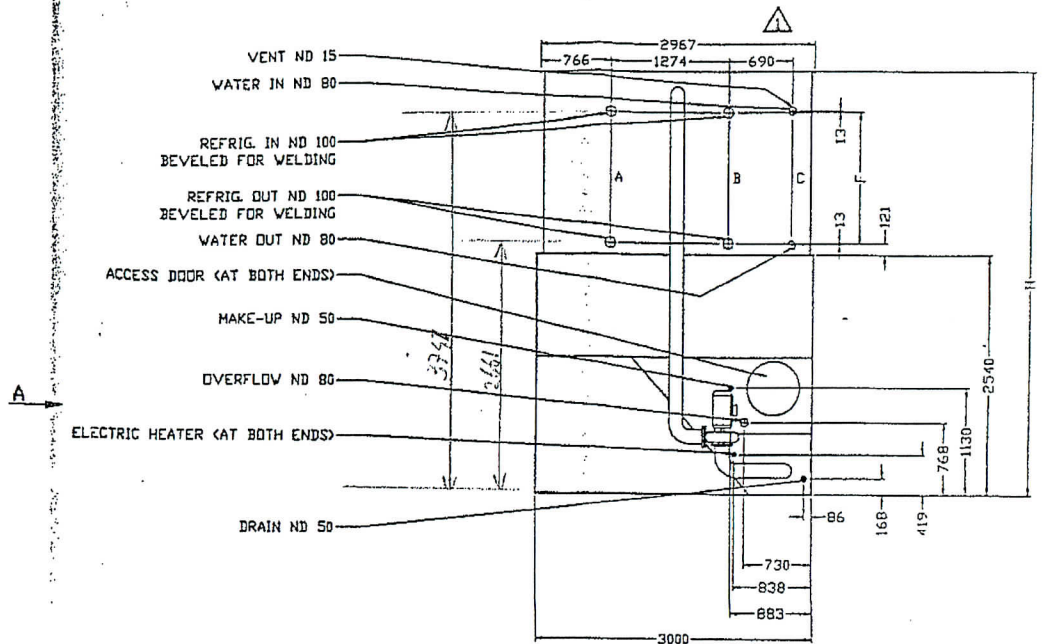
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**NOTES:**

1. DIMENSIONS SHOWING LOCATION OF COIL CONNECTIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR PREFABRICATION OF CONNECTING PIPING.
2. ALL CONNECTIONS THROUGH 100 ARE BSP MALE THREADED. CONNECTIONS LARGER THAN 100 ARE BEVELED FOR WELDING.

A + B = 2050 kW - R22  
C = 6.18 l/s - H2O




**ATTENTION**

THESE UNITS HAVE TWO FAN SECTIONS FOR ONE COIL CASING SECTION. BOTH FANS NEED TO OPERATE SIMULTANEDUSLY (AT THE SAME SPEED IF MULTIPLE FAN SPEED OPERATION IS AVAILABLE).

VXC 620	11350	13830	1080	4182
MODEL NO.	SHIPPING WEIGHT (kg)	OPERATING WEIGHT (kg)	F (mm)	H (mm)



DWG. BY: V.R.		DATE: 23-08-96	<b>EVAPORATIVE CONDENSER</b>	
1 01-10-96		CHK'D BY:	DATE:	Model No. VXC-620 PR
NO. DATE		REVISIONS		BAC.Ser.no. 96-1481 H
 <b>BALTIMORE AIRCOIL INTERNATIONAL N.V.</b> HEIST-OP-DEN BERG, BELGIUM			CUSTOMER POST KOUDETECHNIEK B.V.	
BAC NO. ML8018		DWG. NO. CP96-1481H		REV. 1

**NOTES :**

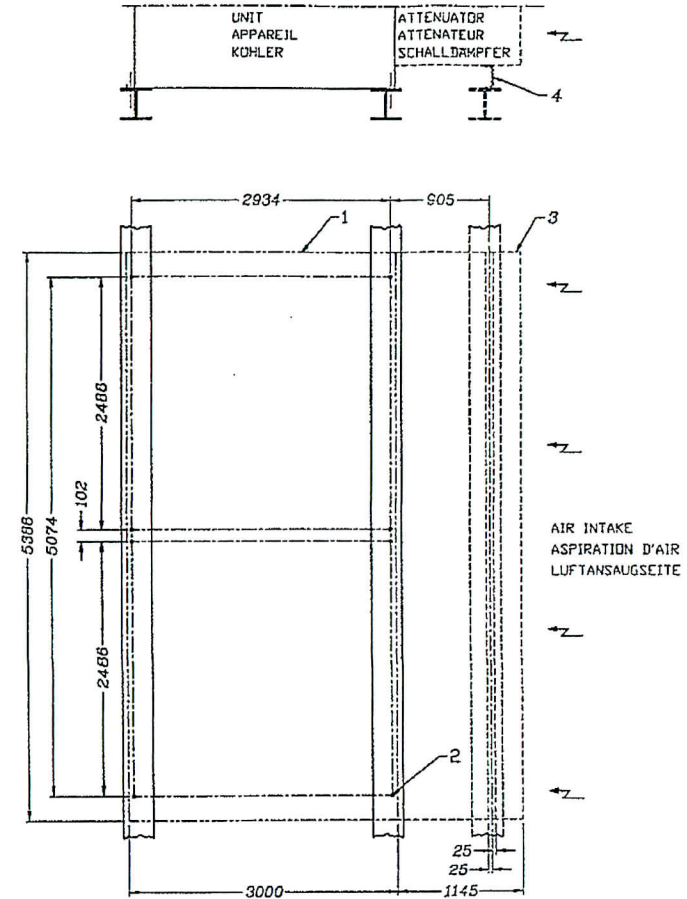
1. The recommended support arrangement for VX units consists of parallel I-beams extending the full length of the unit. Supports and anchor bolts are to be designed and furnished by others.
2. All supporting beams are to be flush and level at top and must be oriented relative to gage line as shown.
3. Recommended design loads for each beam should be 60% of the total unit operating weight applied as a uniform load to each of the unit beams. The support beam for the optional intake attenuator needs to carry attenuator only, a uniform load of 250 kg/m. Beams should be designed in accordance with standard structural practice. The maximum allowable deflection of beams under the unit shall be 13 mm.
4. All mounting holes are 22 mm diam. at the locations shown.
5. If vibration isolators are used, a rail or channel must be provided between the unit (and optional attenuator) and the isolators to provide continuous unit support. Additionally the support beams must be designed to accommodate the overall length and mounting hole location of the isolators which may differ from those of the unit. Refer to vibration isolator drawings for these data.

**REMARQUES :**

1. Le support recommandé pour les appareils VX consiste en poutrelles en I, disposées parallèlement dans le sens de la longueur de l'appareil. Poutrelles de support et boulons d'ancrage sont définis et fournis par des tiers.
2. Les poutrelles de support doivent être planes, de niveau et orientées suivant les indications.
3. La charge recommandée par poutrelle est de 60% du poids total de l'appareil en opération, répartie uniformément sur chaque support. Pour le caisson optionnel d'atténuateur à l'aspiration il faut une 3<sup>e</sup> poutrelle dimensionnée pour prendre une charge de 250 kg/m. Le dimensionnement des fers doit être déterminé suivant les règles habituelles. Flèche maximale de 13 mm.
4. Les trous de fixation ont un diamètre de 22 mm aux endroits indiqués.
5. Si des plots antivibratiles sont utilisés, un fer en U doit être prévu entre les plots et l'appareil (et le caisson optionnel d'atténuateur à l'aspiration) pour fournir un support continu. De plus, les poutrelles de support doivent être prévues pour couvrir toute la longueur de l'appareil et la disposition des trous de fixation des plots peut être différente de celle de l'appareil. Voir les données techniques des plots antivibratiles.

**BEMERKUNGEN :**

1. Als Unterbau für die VX-Geräte werden parallele I Profile empfohlen, welche die ganze Länge unterstützen. I Profile und Befestigungsbolzen sind bauseits zu liefern.
2. Alle Profile müssen oben eine glatte Auflagefläche haben und sind gemäss Zeichnung auszurichten.
3. Zur Berechnung werden 60% des Betriebsgewichtes des Geräts als gleichmässige Belastung auf beide Geräteprofile angenommen. Das Profil für den Ansaugschalldämpfer wird für eine gleichmässige Belastung mit einem Gewicht von 250 kg/m berechnet. Die Berechnung der Profile erfolgt gemäss den allgemeinen Richtlinien der Statik. Die maximal zulässige Durchbiegung der Profile beträgt 13 mm.
4. Alle Befestigungslöcher haben einen Durchmesser von 22mm
5. Bei Anwendung von Schwingungsdämpfern muß zwischen den Isolatoren und dem Gerät (und Ansaugschalldämpfer) eine Schiene oder ein U-Eisen installiert werden, welches eine gleichmässige Unterstützung des Geräts versichert. Darüber hinaus müssen sich die Träger über die ganze Gerätlänge erstrecken. Die Montagelöcher müssen denen der Isolatoren entsprechen, da sie von der Lage der Montagelöcher am Gerät abweichen. Diese Angaben können den Zeichnungen für die Isolatoren entnommen werden.



- 1 = { OUTLINE OF UNIT  
GABARIT DE L'APPAREIL  
AUSSENKANTE KOHLER
- 2 = { MOUNTING HOLES (8x) 22mm.  
Trous de fixation (8x) 22mm.  
MONTAGEBOHRUNGEN (8x) 22mm.
- 3 = { OUTLINE OF ATTENUATOR (OPTIONAL)  
GABARIT ATTENUATEUR (EN OPTION)  
AUSSENKANTE SCHALLDÄMPFER (FALLS GEFORDERT)
- 4 = { SUPPORT CHANNEL ATTACHED TO OPTIONAL ATTENUATOR.  
PIED SUPPORT DE L'ATTENUATEUR OPTIONNEL.  
PROFIL MITGELIEFERT FALLS SCHALLDÄMPFER GEFORDERT SIND.

		BOX SIZE : 3.0 x 5.4 m	SUGGESTED SUPPORT DETAILS STAHLUNTERBAU VORSCHLAG SUPPORT ET ANCRAGE	
		VXT 470 - 600		
		VXC 562 - 680		
		VXI 180 - X		
NO.	DATE	REVISIONS		
		BALTIMORE AIRCOIL INTERNATIONAL N.V.		Dwg. by : Verschoren Rudy
		HEIST-OP-DEN BERG, BELGIUM		BAC NO. C:\VX-SPRT\M20185
			Date : 13-07-85	DWG. NO. M 2018 S
			Ch'd. by :	REV. 0