

**Subject:** Lennox, Novenco Air treatment unit

**Capacity:** Appr. 138,6 kW (Base don Capacity compressors)

**Rerfrigerant:** R 407 C

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**Chiller:**

Brand	: Lennox
Type	: WS 150D-LN
Year of build	: 2001
Compressor	: 4 x Performer SZ 160
Capacity compressor	: 138,6 kW at 0°C / +40°C
Remarks	: Including heat exchanger
Sizes	: 2900x1050x1170 mm (LxWxH)
Weight	: 1100 kg





**Air treatment unit:**

Brand : Novenco  
Type : ZCQ-13/8  
Year of build : 2001  
Sizes : 3700x1530x1630 mm (LxWxH)

*Cooling department:*

Airflow Cooling : 8496 m<sup>3</sup>/h  
RPM fan : 2590  
kW fan : 4.0 kW

*Heat recovery department*

Airflow : 7560 m<sup>2</sup>/h  
RPM fan : 2215  
kW fan : 3.0




Type	:	ZCQ-13/8 30C-L2
M <sup>3</sup> /s.	:	2.10
PtF Pa	:	677
Fan rpm.	:	2215
Motor kW.	:	3.0
Voltage	:	3x230/400 - 50 Hz
Nom. current:	:	10.6/6.2
Ordernr.	:	101-3018



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Type	:	ZCQ-13/8 30C-L2
M <sup>3</sup> /s.	:	2.36
PtF Pa	:	1000
Fan rpm.	:	2590
Motor kW.	:	4.0
Voltage	:	3x400/690 - 50 Hz
Nom. current:	:	7.8/4.5
Ordernr.	:	101-3015



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**Condenser:**

Brand : Friga Bohn  
Type : ECA 223 P6 12P  
Year of build : 2001  
Capacity : 111,8 kW \* See Photo below  
Capacity fans : 0,5 kW  
RPM fans : 500  
Number of fans : 6  
Diameter Fans : 900 mm  
Sizes : 4500x2350x1080 mm (LxWxH)  
Weight : 925 kg.

**Cooling capacity [kW] (low speed)**

TD \ t <sub>a</sub>	15	20	25	30	35	40	45	50
8	122.50	120.97	118.93	116.59	114.14	111.79	109.75	108.22
10	153.13	151.22	148.67	145.73	142.67	139.74	137.19	135.28
12	183.75	181.46	178.40	174.88	171.21	167.69	164.63	162.33
14	214.38	211.70	208.13	204.03	199.74	195.64	192.07	189.39
16	245.01	241.95	237.87	233.17	228.28	223.59	219.51	216.44
18	275.63	272.19	267.60	262.32	256.81	251.53	246.94	243.50
20	306.26	302.43	297.33	291.47	285.35	279.48	274.38	270.56



