

n° 309057/1 : 1/22/2024	Sklad praskoveho cukru e-Baltic 1 x eBBH095DP1M	  
Sklad praskoveho cukru		


THERMODYNAMIC DATA (HEATING/COOLING)

Gross capacity (excluding supply air fan motor)	53.9	102	kW
Heat gain from the supply air fan motor (*)	3.03	-3.03	kW
Energy recovery / Auxiliary Preheater capacity	0	0	kW
Net capacity (Including supply fan) (*)	56.93	98.97	kW
Sensible Heat Ratio (S/T)		0.791	
total Absorbed power (*)	20	31.1	kW
Total unit net COP / EER (*)	2.85	3.18	
Gross compressor COP/EER	3.57	3.89	
global SFP		1177	W/(m3/s)
Indoor data	20 / 70	27 / 47	°C/%
External Ambient temperature	-10 / 85	35 / 50	°C/%
Fresh air quantity	5	5	%
Mixed air data	18.3 / 73.9	27.4 / 47.5	°C / %
Supply air temperature (without auxiliary heating)	26.6	16.1	°C

(*):according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.35	4.51	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	131	177.4	%
Eurovent energy class	B	B	

(1):In accordance with standard EN14825, heating mode performance is given for average climate.

(2):Space cooling & Space heating energy efficiency following Ecodesign regulation EU 2016/2281.

AUXILIARY HEATING DATA : ELECTRICAL HEATER

Gross capacity	27	kW
Heat gain from the supply air fan motor	3.03	kW
Net capacity	30.03	kW
Inlet temperature of the heating module	28	°C
Temperature rise	4.6	°C
Air outlet temp.	32.6	°C

GENERAL DATA

Number of circuits	2	
Compressor type/Number	Scroll / 4	
Refrigerant / GWP (AR4)/GWP (AR4)	R32 / 675	
Refrigerant charge	7.7 + 7.7	kg
Teq CO2	10.4	Tons
Atmospheric pressure / altitude	101325 / 0	Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	20500	m3/h
External Static Pressure available in supply network	400	Pa
Drive kit reference	LP	
Total electrical power of the drive kit	6.7	kW
Rotation speed	1559	rpm
SFP class (Specific power factor)	3	
SFP value	1177	W/(m3/s)

Due to LENNOX on going commitment to quality, specifications subject to change without notice and without incurring liability
The certified standard performances and the certified software tool version can be verified in www.eurovent-certification.com

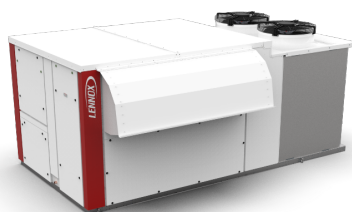
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ELECTRICAL DATA (INCLUDING OPTIONS)

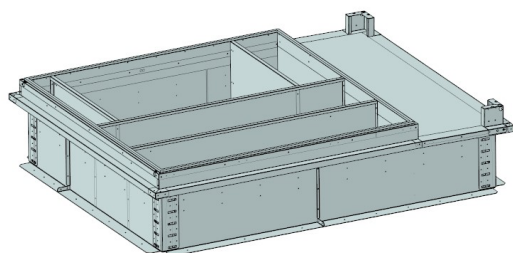
Electrical supply	400V/III/50Hz	V / P
Maximum power	77.5	kW
Starting current	198.2	A
Maximum running current	120.8	A
SCC (short circuit current)	10	KA
EMC (electro-magnetic compatibility)	B	

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DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
3691	2261	1619 *	1350 *



Length	2832	mm
Width	2230	mm
Height	622	mm
Shipping dimensions	2832x2333x753	mm
Roof opening	2619x2025	mm
Weight	230 *	kg

Total installed weight (unit + accessories)	1580 *	kg
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Non-certified pictures

(*) The weight and height values are provided as an indication. For helicopter or special crane transportation, plan to check the weight before the job.

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ACOUSTIC DATA

Outdoor Spectrum per octave band dB(A) (Full load)								Lwa	Lp
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 HZ		
58.4	63.3	69	74.3	76.7	76.1	76.1	68.4	82.4	51.4

Supply Spectrum per octave band dB(A) (Full load)								Lwa: Sound power dB(A)
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 HZ	
52.5	67.3	72.9	79.9	82.5	81.5	80.5	73.6	87.6

Return Spectrum per octave band dB(A) (Full load)								Lwa: Sound power dB(A)
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 HZ	
49.2	64.1	69.9	69.3	72.7	72.9	75.9	67.3	80.2

Lwa: Sound power dB(A)

Lp: Sound pressure at 10 m dB(A)

Global sound power level measured in compliance with ISO STANDARD 3744

Values are displayed according to norm EN12102

Tolerance to +/- 3 dB(A)

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QUOTATION

Items of Equipment fitted as standard:

- Performances certified by Eurovent
- Compliant with the European directive Ecodesign 2016/2281
- Manufacturing processes certified ISO 9001/14001
- R32 refrigerant ; lower GWP – More environmentally friendly solution
- Refrigerant charge reduced by 30%
- TeqCO2 reduced by 75%
- Full variable speed fans with airfoil blades
- High efficiency EC Electro-commutated motor
- Direct drive
- New exchanger technology
- High seasonal efficiency through variable load management
- Auto-secure unit thanks to leak detectors
- Visualization and remote control
- Energy optimization
- Maintenance costs reduction



Accessories included with this offer

- 1 x Basic unit
- 1 x Gravity exhaust damper
- 1 x G4/ ISO Coarse 65% metallic frame filter
- 1 x Refrigerant leak detector sensor R32
- 1 x Electrical heater Standard capacity, 27 kW
- 1 x 3 phases relay for unit electrical protection
- 1 x DM Remote multi-unit display
- 1 x Remote control board
- 1 x Humidity control pack / summer mode
- 1 x LennoxOneWeb connectivity solution (1 unit - 1 site)
- 1 x Adjustable assembled roof curb
- 1 x Double skin air treatment casing panels



Since 1st January 2018, rooftops that do not comply with Ecodesign Directive EU2016 / 2281 can no longer be CE marked and can no longer be marketed on the EEC European market. For more information, log on to <https://www.lennoxemea.com>

Net prices

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