


THERMODYNAMIC DATA (HEATING/COOLING)

Gross capacity (excluding supply air fan motor)	116.6	163.8	kW
Heat gain from the supply air fan motor (*)	7.11	-7.11	kW
Energy recovery / Auxiliary Preheater capacity	57	36.6	kW
Net thermal capacity (*)	180.71	193.29	kW
Sensible Heat Ratio (S/T)		0.731	
total Absorbed power (*)	55.5	70.1	kW
Total unit net COP / EER (*)	3.26	2.76	
Indoor data	22 / 50	24 / 50	°C/%
External Ambient temperature	-3 / 85	35 / 40.2	°C/%
Fresh air quantity	26	26	%
Mixed air data	19.7 / 52	25 / 52.8	°C/%
Supply air temperature (without auxiliary heating)	32.5	13.1	°C

(*):according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.2	4.06	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	125.1	159.5	%

(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.

GENERAL DATA

Number of circuits	2
Compressor type/Number	Scroll / 4
Refrigerant / GWP (AR4)	R410A / 2088
Refrigerant charge	13.75 + 13.25 kg
Teq CO2	56.38 Tons
Atmospheric pressure / altitude	101325 / 0 Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	29470	m3/h
External Static Pressure available in supply network	900	Pa
Drive kit reference		
Total electrical power of the drive kit	16.11	kW
Rotation speed	2203	rpm
SFP class (Specific power factor)	4	
SFP value	1968	W/(m3/s)

EXHAUST FAN DATA

Conditioned Exhaust airflow	26480	m3/h
ESP on exhaust roof curb	740	Pa
Drive kit reference		
Total electrical power of the drive kit	8.76	kW
Rotation speed	1644	rpm
SFP class (Specific power factor)	3	
SFP value	1190	W/(m3/s)

ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400V/III/50Hz	V / P
Maximum power	93.2	kW
Starting current	303.3	A

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

n° 230964/6 : 12/29/2025	<h1 style="text-align: center;">FLEXAIR</h1> <h2 style="text-align: center;">1 x FAH170DNM2M</h2>		
KARTAL DARPANE RT-RF-01			

Maximum running current	155.4 A
SCC (short circuit current)	10 KA
EMC (electro-magnetic compatibility)	Class A

n° 230964/6 :
12/29/2025

KARTAL DARPHANE
RT-RF-01

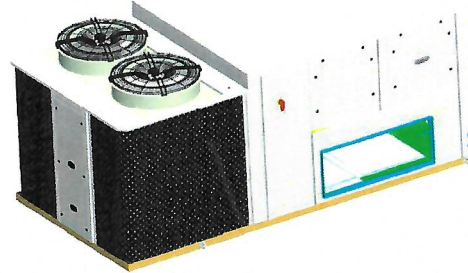
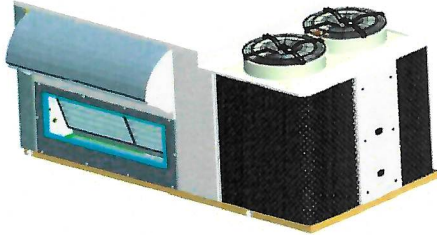
FLEXAIR

1 x FAH170DNM2M

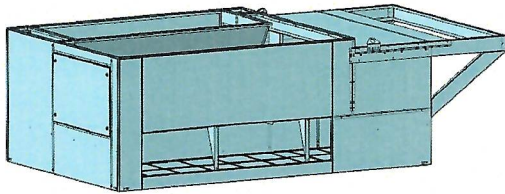
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DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
4360	2243	1885 *	1805 *

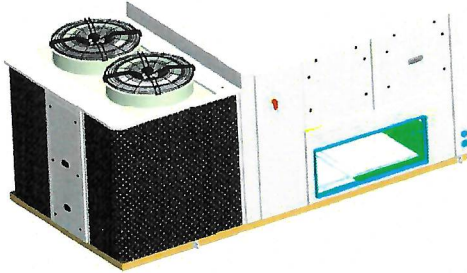


Length	4107	mm
Width	2083	mm
Height	1220	mm
Shipping dimensions	1354x2260x1354	mm
Roof opening	-	mm
Weight	661 *	kg

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.

ENERGY RECOVERY MODULE DIMENSION



Length	2330	mm
Width	1425	mm
Height	2096	mm
Shipping dimensions	2330x1575x2170	mm
Weight	594 *	kg

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.

DIMENSIONS TOTALES DE L'UNITÉ

Total installed weight (unit + accessories) **3060 kg**

ACOUSTIC DATA

Lwa 21%	88.3	dB(A)	Lp	57.3	dB(A)
Lwa 47%	89.8	dB(A)	Lp	58.8	dB(A)

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		
84.6	80.9	86.7	87.1	89.2	85.1	85.5	80.3	93.2	62.2

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	
83	80.8	91.7	92.8	95.7	90.8	91	85.2	99.1

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	
71.3	83.2	80.5	78	76.1	73.2	69.8	68.7	81.3

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)

QUOTATION

<p>Items of Equipment fitted as standard:</p> <ul style="list-style-type: none"> -Compact design with limited footprint -Air treatment casing with building Indoor Air Quality optimization -Intelligent Control Air management with advanced eClimatic Controller -Full variable speed fans with airfoil blades -High efficiency EC Electro-commutated motor -Direct drive -Scroll compressor technology -High seasonal efficiency through multistage load management -Electronic expansion valve optimum performances 	
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THERMODYNAMIC DATA (HEATING/COOLING)


Gross capacity (excluding supply air fan motor)	97.3	139.4	kW
Heat gain from the supply air fan motor (*)	2.93	-2.93	kW
Energy recovery / Auxiliary Preheater capacity	81.2	39.4	kW
Net thermal capacity (*)	181.43	175.87	kW
Sensible Heat Ratio (S/T)		0.652	
total Absorbed power (*)	39.3	49.6	kW
Total unit net COP / EER (*)	4.62	3.55	
Indoor data	22 / 50	24 / 50	°C/%
External Ambient temperature	-3 / 85	35 / 40.2	°C/%
Fresh air quantity	43	43	%
Mixed air data	19.2 / 51.3	25.1 / 53.5	°C/%
Supply air temperature (without auxiliary heating)	34.2	12.1	°C

(*):according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.42	4.2	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	133.8	165	%

(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.

GENERAL DATA

Number of circuits	2
Compressor type/Number	Scroll / 4
Refrigerant / GWP (AR4)	R410A / 2088
Refrigerant charge	13.5 + 13.3 kg
Teq CO2	55.96 Tons
Atmospheric pressure / altitude	101325 / 0 Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	2080	m3/h
External Static Pressure available in supply network	460	Pa
Drive kit reference		
Total electrical power of the drive kit	7.07	kW
Rotation speed	1979	rpm
SFP class (Specific power factor)	4	
SFP value	1268	W/(m3/s)

EXHAUST FAN DATA

Conditioned Exhaust airflow	19640	m3/h
ESP on exhaust roof curb	410	Pa
Drive kit reference		
Total electrical power of the drive kit	4.5	kW
Rotation speed	1311	rpm
SFP class (Specific power factor)	3	
SFP value	824	W/(m3/s)

ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400V/III/50Hz	V / P
Maximum power	74.4	kW
Starting current	241.4	A

n° 230964/6 : 12/29/2025	<h1 style="text-align: center;">FLEXAIR</h1> <h2 style="text-align: center;">1 x FAH150DNM2M</h2>		
KARTAL DARPHANE RT-RF-02			

Maximum running current	121.6 A
SCC (short circuit current)	10 KA
EMC (electro-magnetic compatibility)	Class A

n° 230964/6 :
12/29/2025

KARTAL DARPHANE
RT-RF-02

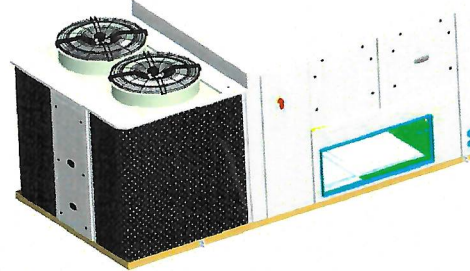
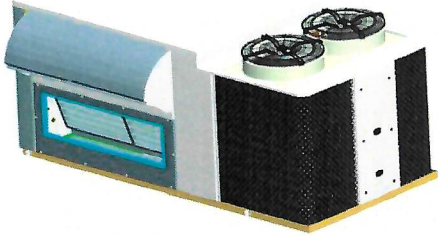
FLEXAIR

1 x FAH150DNM2M

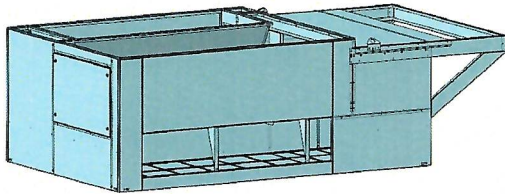
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DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
4360	2243	1885 *	1655 *



Length	4107	mm
Width	2083	mm
Height	1220	mm
Shipping dimensions	1354x2260x1354	mm
Roof opening	-	mm
Weight	661 *	kg

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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12/29/2025

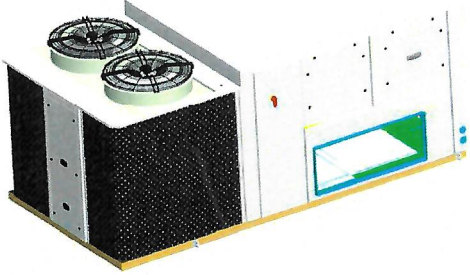
KARTAL DARPHANE
RT-RF-02

FLEXAIR
1 x FAH150DNM2M

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ENERGY RECOVERY MODULE DIMENSION



Length	2330	mm
Width	1425	mm
Height	2096	mm
Shipping dimensions	2330x1575x2170	mm
Weight	594 *	kg

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.

DIMENSIONS TOTALES DE L'UNITÉ

Total installed weight (unit + accessories) **2910 kg**

ACOUSTIC DATA

Lwa 21%	81.4	dB(A)	Lp	50.4	dB(A)
Lwa 47%	82.9	dB(A)	Lp	51.9	dB(A)

Outdoor Part load

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		
85.6	81.2	80.1	81.5	81.4	79.1	76.5	71.6	86	55

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	
80.9	84.7	83.2	85.1	84.2	82.9	80.3	74.6	89.4

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	
68.2	78.2	75.8	73.7	71.3	68.3	64.7	63	76.6

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)

n° 230964/6 :
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KARTAL DARPHANE
RT-RF-02

FLEXAIR
1 x FAH150DNM2M

LENNOX



QUOTATION

Items of Equipment fitted as standard:

- Compact design with limited footprint
- Air treatment casing with building Indoor Air Quality optimization
- Intelligent Control Air management with advanced eClimatic Controller
- Full variable speed fans with airfoil blades
- High efficiency EC Electro-commutated motor
- Direct drive
- Scroll compressor technology
- High seasonal efficiency through multistage load management
- Electronic expansion valve optimum performances




THERMODYNAMIC DATA (HEATING/COOLING)

Gross capacity (excluding supply air fan motor)	115.7	161.4	kW
Heat gain from the supply air fan motor (*)	4.67	-4.67	kW
Energy recovery / Auxiliary Preheater capacity	76.1	41.4	kW
Net thermal capacity (*)	196.47	198.13	kW
Sensible Heat Ratio (S/T)		0.656	
total Absorbed power (*)	47.3	60.6	kW
Total unit net COP / EER (*)	4.15	3.27	
Indoor data	22 / 50	24 / 50	°C/%
External Ambient temperature	-3 / 85	35 / 40.2	°C/%
Fresh air quantity	40	40	%
Mixed air data	18.2 / 54.4	25.2 / 53.2	°C/%
Supply air temperature (without auxiliary heating)	33.4	12	°C

(*) : according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.2	4.06	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	125.1	159.5	%

(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.

GENERAL DATA

Number of circuits	2
Compressor type/Number	Scroll / 4
Refrigerant / GWP (AR4)	R410A / 2088
Refrigerant charge	13.75 + 13.25 kg
Teq CO2	56.38 Tons
Atmospheric pressure / altitude	101325 / 0 Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	23690	m3/h
External Static Pressure available in supply network	390	Pa
Drive kit reference		
Total electrical power of the drive kit	8.81	kW
Rotation speed	1760	rpm
SFP class (Specific power factor)	4	
SFP value	1339	W/(m3/s)

EXHAUST FAN DATA

Conditioned Exhaust airflow	21000	m3/h
ESP on exhaust roof curb	340	Pa
Drive kit reference		
Total electrical power of the drive kit	4.02	kW
Rotation speed	1260	rpm
SFP class (Specific power factor)	2	
SFP value	689	W/(m3/s)

ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400V/III/50Hz	V / P
Maximum power	89.1	kW
Starting current	297	A

n° 230964/6 : 12/29/2025	<h1 style="text-align: center;">FLEXAIR</h1> <h2 style="text-align: center;">1 x FAH170DNM2M</h2>		
KARTAL DARPHANE RT-RF-03			

Maximum running current	149.1 A
SCC (short circuit current)	10 KA
EMC (electro-magnetic compatibility)	Class A

n° 230964/6 :
12/29/2025

KARTAL DARPHANE
RT-RF-03

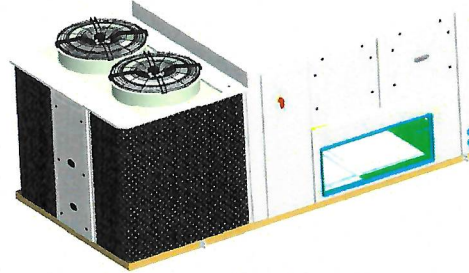
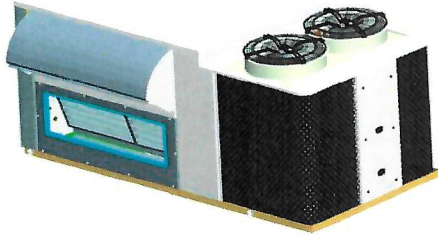
FLEXAIR

1 x FAH170DNM2M

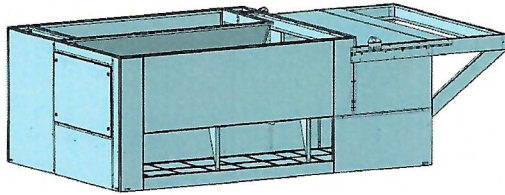
LENNOX



DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
4360	2243	1885 *	1745 *

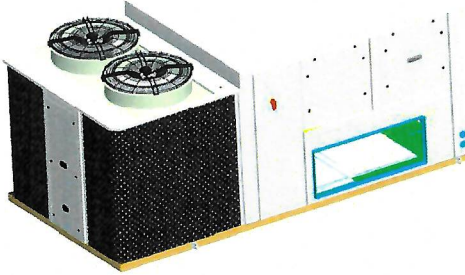


Length	4107	mm
Width	2083	mm
Height	1220	mm
Shipping dimensions	1354x2260x1354	mm
Roof opening	-	mm
Weight	661 *	kg

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.

ENERGY RECOVERY MODULE DIMENSION



Length	2330	mm
Width	1425	mm
Height	2096	mm
Shipping dimensions	2330x1575x2170	mm
Weight	594 *	kg

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.

DIMENSIONS TOTALES DE L'UNITÉ

Total installed weight (unit + accessories) **3000 kg**

ACOUSTIC DATA

Lwa 21%	82.5	dB(A)	Lp	51.5	dB(A)
Lwa 47%	84	dB(A)	Lp	53	dB(A)

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		
84	83.1	79.9	81.7	82.1	80.7	78.6	72.8	87.1	56.1

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	
77.4	87.1	83.4	84.7	85.4	84.7	83	76	90.8

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	
64.9	77.5	75	72	70.3	67.5	64.2	63.4	75.6

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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12/29/2025

KARTAL DARPHANE
RT-RF-03

FLEXAIR
1 x FAH170DNM2M

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QUOTATION

Items of Equipment fitted as standard:

- Compact design with limited footprint
- Air treatment casing with building Indoor Air Quality optimization
- Intelligent Control Air management with advanced eClimatic Controller
- Full variable speed fans with airfoil blades
- High efficiency EC Electro-commutated motor
- Direct drive
- Scroll compressor technology
- High seasonal efficiency through multistage load management
- Electronic expansion valve optimum performances



THERMODYNAMIC DATA (HEATING/COOLING)


Gross capacity (excluding supply air fan motor)	97.4	138.1	kW
Heat gain from the supply air fan motor (*)	2.87	-2.87	kW
Energy recovery / Auxiliary Preheater capacity	68.8	37.3	kW
Net thermal capacity (*)	169.07	172.53	kW
Sensible Heat Ratio (S/T)		0.661	
total Absorbed power (*)	38.3	48.7	kW
Total unit net COP / EER (*)	4.41	3.54	
Indoor data	22 / 50	24 / 50	°C/%
External Ambient temperature	-3 / 85	35 / 40.2	°C/%
Fresh air quantity	40	40	%
Mixed air data	18.7 / 53.3	25 / 53.7	°C/%
Supply air temperature (without auxiliary heating)	33.9	11.7	°C

(*):according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.42	4.2	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	133.8	165	%

(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.

GENERAL DATA

Number of circuits	2
Compressor type/Number	Scroll / 4
Refrigerant / GWP (AR4)	R410A / 2088
Refrigerant charge	13.5 + 13.3 kg
Teq CO2	55.96 Tons
Atmospheric pressure / altitude	101325 / 0 Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	19730	m3/h
External Static Pressure available in supply network	310	Pa
Drive kit reference		
Total electrical power of the drive kit	5.61	kW
Rotation speed	1818	rpm
SFP class (Specific power factor)	3	
SFP value	1024	W/(m3/s)

EXHAUST FAN DATA

Conditioned Exhaust airflow	18000	m3/h
ESP on exhaust roof curb	370	Pa
Drive kit reference		
Total electrical power of the drive kit	3.75	kW
Rotation speed	1234	rpm
SFP class (Specific power factor)	2	
SFP value	749	W/(m3/s)

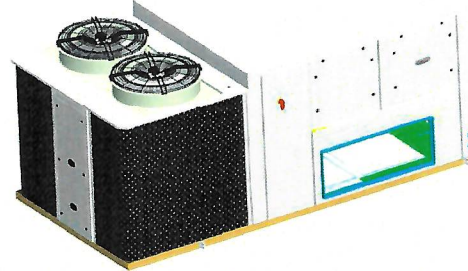
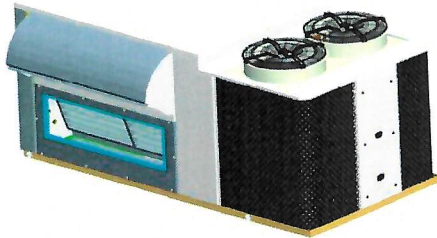
ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400V/III/50Hz	V / P
Maximum power	74.4	kW
Starting current	241.4	A

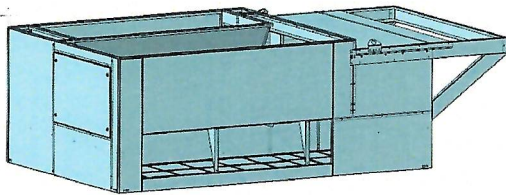
n° 230964/6 : 12/29/2025	<h1 style="text-align: center;">FLEXAIR</h1> <h2 style="text-align: center;">1 x FAH150DNM2M</h2>		
KARTAL DARPHANE RT-RF-04			

Maximum running current	121.6 A
SCC (short circuit current)	10 KA
EMC (electro-magnetic compatibility)	Class A

DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
4360	2243	1885 *	1655 *




Length	4107	mm
Width	2083	mm
Height	1220	mm
Shipping dimensions	1354x2260x1354	mm
Roof opening	-	mm
Weight	661 *	kg

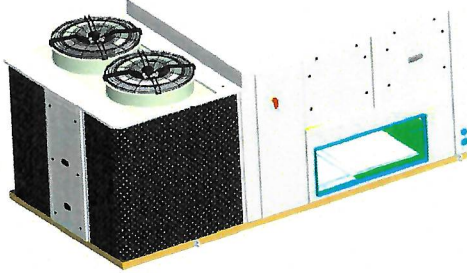
Non-certified pictures

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

QUOTATION

<p>Items of Equipment fitted as standard:</p> <ul style="list-style-type: none"> -Compact design with limited footprint -Air treatment casing with building Indoor Air Quality optimization -Intelligent Control Air management with advanced eClimatic Controller -Full variable speed fans with airfoil blades -High efficiency EC Electro-commutated motor -Direct drive -Scroll compressor technology -High seasonal efficiency through multistage load management -Electronic expansion valve optimum performances 	
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ENERGY RECOVERY MODULE DIMENSION



Length	2330	mm
Width	1425	mm
Height	2096	mm
Shipping dimensions	2330x1575x2170	mm
Weight	594 *	kg

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.

DIMENSIONS TOTALES DE L'UNITÉ

Total installed weight (unit + accessories)	2910 kg
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ACOUSTIC DATA

		Outdoor Part load			
Lwa 21%	80.7	dB(A)	Lp	49.7	dB(A)
Lwa 47%	82.1	dB(A)	Lp	51.1	dB(A)

Outdoor Spectrum per octave band dB(A) (Full load)									
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 HZ	Lwa	Lp
85.4	80.2	79.1	80.5	80.4	78.3	75.7	71.8	85.2	54.2

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	
79.7	83.1	81.6	83	82.5	81.4	79.1	75.1	87.8

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	
68.3	76.9	75.5	72.9	70.2	67.3	63.6	61.8	75.7

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)

n° 230964/6 : 12/29/2025	FLEXAIR 1 x FAH150DNM2M		
KARTAL DARPHANE RT-RF-05			



THERMODYNAMIC DATA (HEATING/COOLING)

Gross capacity (excluding supply air fan motor)	97.4	139	kW
Heat gain from the supply air fan motor (*)	2.86	-2.86	kW
Energy recovery / Auxiliary Preheater capacity	83.3	41.2	kW
Net thermal capacity (*)	183.56	177.34	kW
Sensible Heat Ratio (S/T)		0.632	
total Absorbed power (*)	37.8	48.3	kW
Total unit net COP / EER (*)	4.85	3.67	
Indoor data	22 / 50	24 / 50	°C/%
External Ambient temperature	-3 / 85	35 / 40.2	°C/%
Fresh air quantity	49	49	%
Mixed air data	18.1 / 53.5	25.1 / 51.5	°C/%
Supply air temperature (without auxiliary heating)	33.7	11.9	°C

(*):according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.42	4.2	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	133.8	165	%

(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.

GENERAL DATA

Number of circuits	2
Compressor type/Number	Scroll / 4
Refrigerant / GWP (AR4)	R410A / 2088
Refrigerant charge	13.5 + 13.3 kg
Teq CO2	55.96 Tons
Atmospheric pressure / altitude	101325 / 0 Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	19200	m3/h
External Static Pressure available in supply network	350	Pa
Drive kit reference		
Total electrical power of the drive kit	5.87	kW
Rotation speed	1853	rpm
SFP class (Specific power factor)	3	
SFP value	1101	W/(m3/s)

EXHAUST FAN DATA

Conditioned Exhaust airflow	18000	m3/h
ESP on exhaust roof curb	310	Pa
Drive kit reference		
Total electrical power of the drive kit	3.32	kW
Rotation speed	1180	rpm
SFP class (Specific power factor)	2	
SFP value	663	W/(m3/s)

ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400V/III/50Hz	V / P
Maximum power	74.4	kW
Starting current	241.4	A

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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KARTAL DARPANE RT-RF-05			

Maximum running current	121.6 A
SCC (short circuit current)	10 KA
EMC (electro-magnetic compatibility)	Class A

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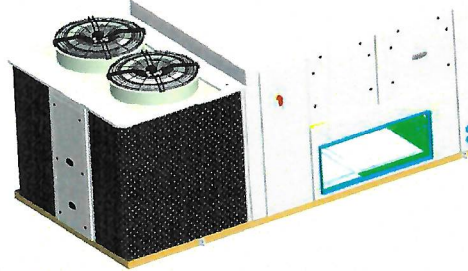
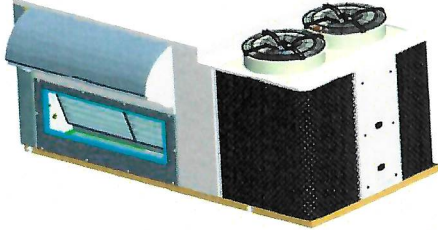
KARTAL DARPHANE
RT-RF-05

FLEXAIR

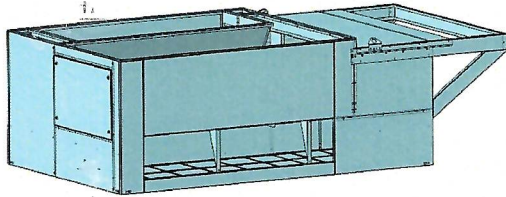
1 x FAH150DNM2M



DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
4360	2243	1885 *	1655 *




Length	4107	mm
Width	2083	mm
Height	1220	mm
Shipping dimensions	1354x2260x1354	mm
Roof opening	-	mm
Weight	661 *	kg

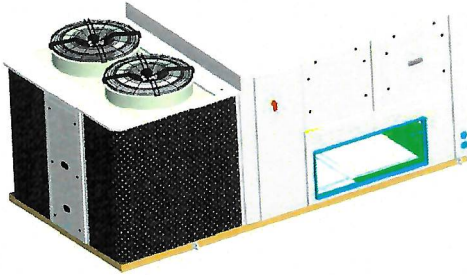
Non-certified pictures

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

QUOTATION

<p>Items of Equipment fitted as standard:</p> <ul style="list-style-type: none"> -Compact design with limited footprint -Air treatment casing with building Indoor Air Quality optimization -Intelligent Control Air management with advanced eClimatic Controler -Full variable speed fans with airfoil blades -High efficiency EC Electro-commutated motor -Direct drive -Scroll compressor technology -High seasonal efficiency through multistage load management -Electronic expansion valve optimum performances 	
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ENERGY RECOVERY MODULE DIMENSION



Length	2330	mm
Width	1425	mm
Height	2096	mm
Shipping dimensions	2330x1575x2170	mm
Weight	594 *	kg

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.

DIMENSIONS TOTALES DE L'UNITÉ

Total installed weight (unit + accessories)	2910 kg
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ACOUSTIC DATA

	Outdoor Part load				
Lwa 21%	80.7	dB(A)	Lp	49.7	dB(A)
Lwa 47%	82.1	dB(A)	Lp	51.1	dB(A)

Outdoor Spectrum per octave band dB(A) (Full load)									
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 HZ	Lwa	Lp
85.4	80.2	79	80.5	80.3	78.4	75.9	71.5	85.2	54.2

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	
80.2	83.8	82.3	83.9	83.3	82.1	79.6	74.8	88.5

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	
65	76	72.9	71	68.9	65.8	62.3	60.7	74

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)

THERMODYNAMIC DATA (HEATING/COOLING)


Gross capacity (excluding supply air fan motor)	115.5	164	kW
Heat gain from the supply air fan motor (*)	4.3	-4.3	kW
Energy recovery / Auxiliary Preheater capacity	91.8	44.2	kW
Net thermal capacity (*)	211.6	203.9	kW
Sensible Heat Ratio (S/T)		0.637	
total Absorbed power (*)	48.2	61.1	kW
Total unit net COP / EER (*)	4.39	3.34	
Indoor data	22 / 50	24 / 50	°C/%
External Ambient temperature	-3 / 85	35 / 40.2	°C/%
Fresh air quantity	48	48	%
Mixed air data	17.9 / 53.4	25.3 / 53.1	°C/%
Supply air temperature (without auxiliary heating)	33.7	11.9	°C

(*):according to EN14511-2018

SEASONAL PERFORMANCES

SCOP/SEER (1)	3.2	4.06	
Seasonal energy efficiency (heating $\eta_{s,h}$ /cooling $\eta_{s,c}$) (2)	125.1	159.5	%

(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.

GENERAL DATA

Number of circuits	2
Compressor type/Number	Scroll / 4
Refrigerant / GWP (AR4)	R410A / 2088
Refrigerant charge	13.75 + 13.25 kg
Teq CO2	56.38 Tons
Atmospheric pressure / altitude	101325 / 0 Pa / m

SUPPLY FAN DATA

Air Volume Flow rate	22650	m3/h
External Static Pressure available in supply network	480	Pa
Drive kit reference		
Total electrical power of the drive kit	9.17	kW
Rotation speed	1790	rpm
SFP class (Specific power factor)	4	
SFP value	1458	W/(m3/s)

EXHAUST FAN DATA

Conditioned Exhaust airflow	21000	m3/h
ESP on exhaust roof curb	430	Pa
Drive kit reference		
Total electrical power of the drive kit	4.95	kW
Rotation speed	1357	rpm
SFP class (Specific power factor)	3	
SFP value	849	W/(m3/s)

ELECTRICAL DATA (INCLUDING OPTIONS)

Electrical supply	400V/III/50Hz	V / P
Maximum power	89.1	kW
Starting current	297	A

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KARTAL DARPHANE RT-RF-06			

Maximum running current	149.1 A
SCC (short circuit current)	10 KA
EMC (electro-magnetic compatibility)	Class A

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KARTAL DARPANE
RT-RF-06

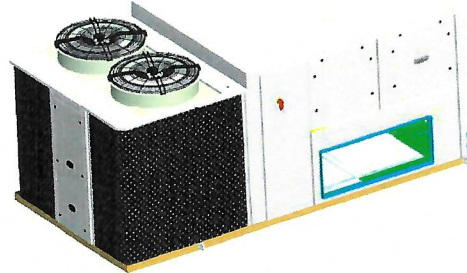
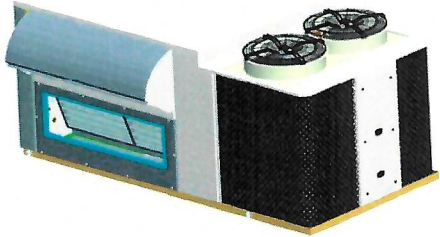
FLEXAIR

1 x FAH170DNM2M

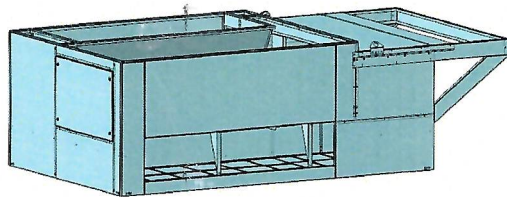
LENNOX



DIMENSIONS FOR THE UNIT EXCLUDING ACCESSORIES



Length	Width	Height	Operating weight
4360	2243	1885 *	1745 *



Length	4107	mm
Width	2083	mm
Height	1220	mm
Shipping dimensions	1354x2260x1354	mm
Roof opening	-	mm
Weight	661 *	kg

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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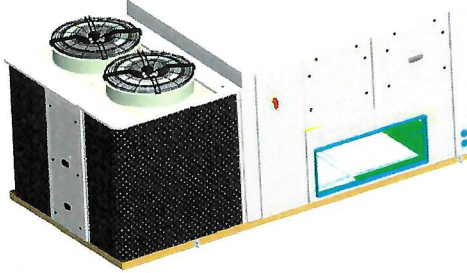
KARTAL DARPANE
RT-RF-06

FLEXAIR

1 x FAH170DNM2M



ENERGY RECOVERY MODULE DIMENSION



Length	2330	mm
Width	1425	mm
Height	2096	mm
Shipping dimensions	2330x1575x2170	mm
Weight	594 *	kg

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.

DIMENSIONS TOTALES DE L'UNITÉ

Total installed weight (unit + accessories)

3000 kg

ACOUSTIC DATA

Lwa 21%	83	dB(A)	Lp	52	dB(A)
Lwa 47%	84.4	dB(A)	Lp	53.4	dB(A)

Outdoor Part load

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		
84.1	86.4	81	82.4	82.9	81	78.2	73	87.6	56.6

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	
78.9	90.5	84.5	85.7	86.3	85.1	82.3	76.2	91.3

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	
67.8	79	76	74	71.9	68.9	65.4	63.9	77.1

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)

QUOTATION

<p>Items of Equipment fitted as standard:</p> <ul style="list-style-type: none"> -Compact design with limited footprint -Air treatment casing with building Indoor Air Quality optimization -Intelligent Control Air management with advanced eClimatic Controller -Full variable speed fans with airfoil blades -High efficiency EC Electro-commutated motor -Direct drive -Scroll compressor technology -High seasonal efficiency through multistage load management -Electronic expansion valve optimum performances 	
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