

EAGLE

ALL IN ONE

PACKAGE HVAC UNITS



20 - 130 kW



20 - 130 kW



3000 - 27000 m³/h



EAGLE

PACKAGE
HVAC UNITS



EAGLE ALL IN ONE PACKAGE HVAC UNIT



- **Adequacy in needs:** Eagle All In One Package HVAC Units can operate at flexible airflow rates and capacities due to their inverter technology.
- **Improved design:** Higher energy efficiency is achieved through compact design and optimized performance.
- **Respectful of the environment:** Eagle All In One Package HVAC Units are designed with low noise levels.
- **Compactness:** Optimized in terms of size and performance, compact units with a low carbon footprint and lightweight construction offer ease of installation.

Advantages Of Eagle All In One Package HVAC Units

- “The Eagle All In One Package HVAC Units can provide variable capacity requirements efficiently through the variable speed compressors.”
- Eagle All In One Package HVAC Units has special design and software that provides continuous heating function. The Eagle All In One Package HVAC Units can continue heating indoor despite defrost cycle is active with this feature.
- Eagle All In One Package HVAC Units has a low defrost cycle frequency due to its design and does not need defrosting when the outside temperature is above 3 °C. So, unit can save more energy via this feature.
- Eagle All In One Package HVAC Units has a compact design with EC plug and EC axial fans.
- Eagle All In One Package HVAC Units has special software to optimize the capacity and reduce energy consumption according to indoor needs and outdoor conditions in every season.
- Eagle All In One Package HVAC Units can operate with a 100% fresh air ratio between 5 °C and 35 °C without a heat recovery system, and with a 25% fresh air ratio between -15 °C and 52 °C.
- Eagle All In One Package HVAC Units has a modular design so that all units ready for further accessories assembly such as heat recovery wheel.



EAGLE ALL IN ONE PACKAGE HVAC UNIT



Thermodynamic System

- Double circuits scroll compressors with inverter technology for sensitive capacity control.
- To protect the compressor, an electronic expansion valve controlled by advanced superheat control algorithm is integrated.
- Optimised coil design reduces pressure drop and increases heat transfer efficiency.
- EC plug-type centrifugal and axial fans with sensitive control of the air flow rate against a variable external static pressure.
- Additional equipment and advanced software protection for peace of mind



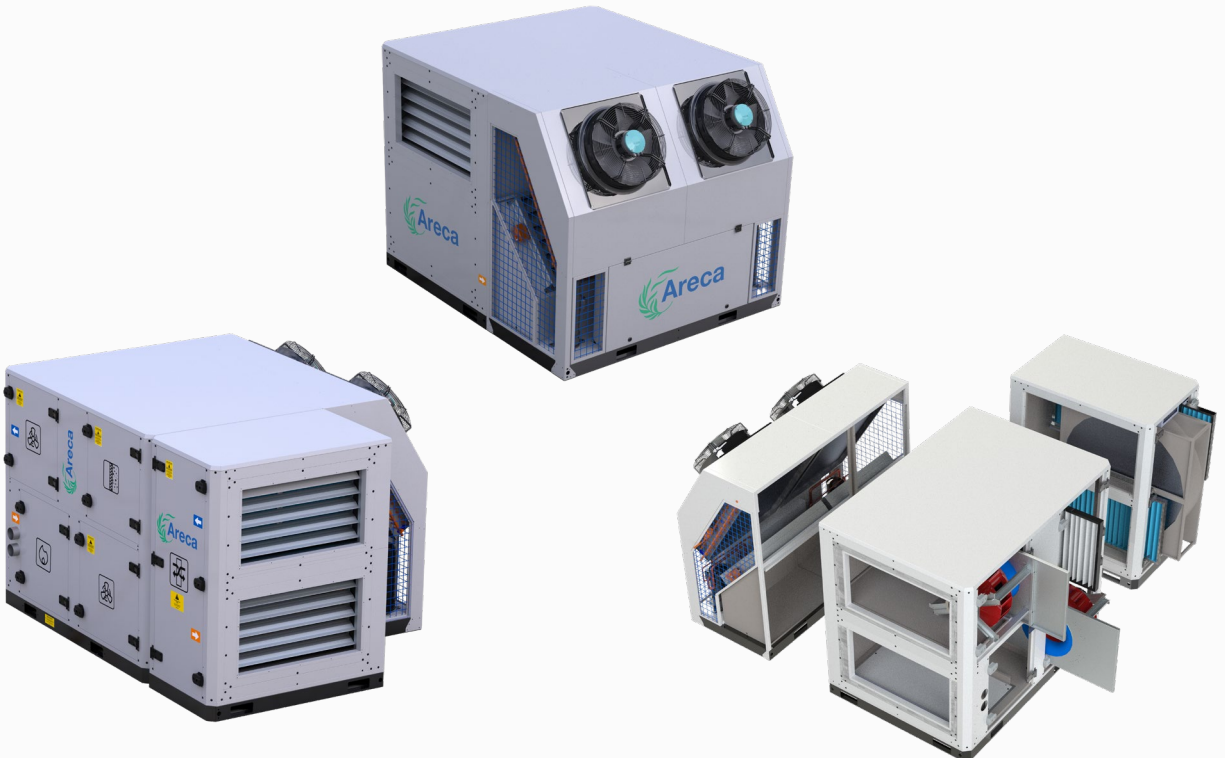
Optional Design

- Gas burner option for low temperature region.
- Regenerator for recovering heat to increase heat transfer efficiency.

ADVANTAGES OF EAGLE HVAC UNIT



- Environmentally Friendly R32
- High Efficiency Inverter Scroll Compressors
- Dirty Filter Alarm
- Stainless Steel Drain Pan
- Electronic Expansion Valve
- Smart and Sequential Defrost System
- Optional Heat Recovery System
- Low Carbon Footprint
- Suitable for Crane Lifting
- Advanced Rooftop Control Software
- Compact Dimensions
- Lightweight Design
- Easy Installation
- Faster Service Access
- Easy Maintenance
- Modular Construction
- Remote Control and Control Panel (Temperature Set Values Can Be Monitored and Adjusted)
- High-Efficiency Variable Speed Direct-Coupled EC Plug Fan
- Double-Walled, Internally Galvanised, Externally Electrostatic-Painted Galvanised Body
- 70 kg/m³ Rock Wool Insulation for Low Heat and Sound Conductivity
- Modbus RTU, Modbus TCP/IP, Internal TCP/IP Web Interface. BACnet MSTP and BACnet TCP/IP

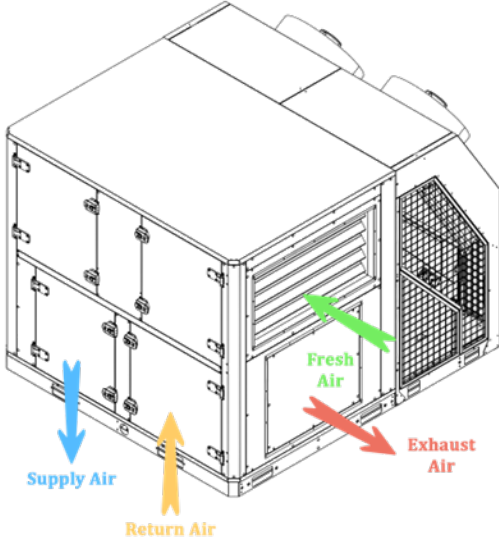


EAGLE

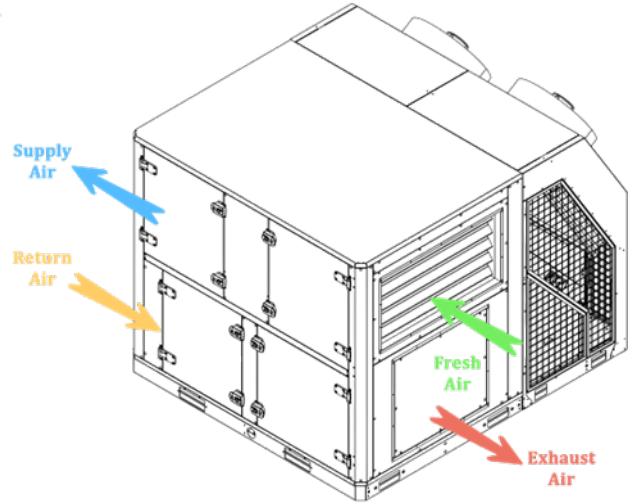
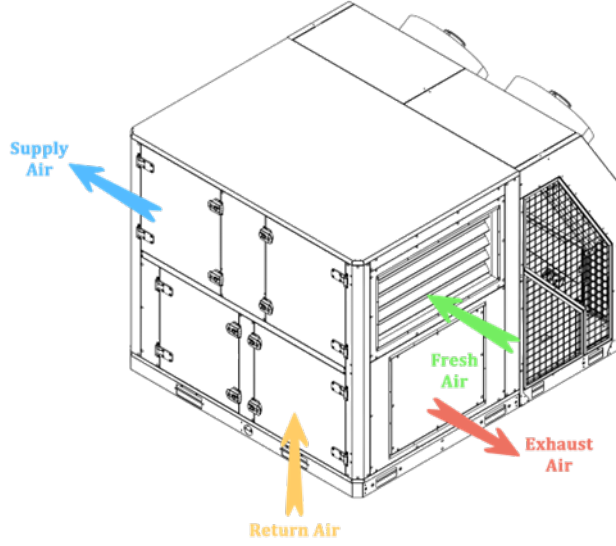
PACKAGE
HVAC UNITS

AIR FLOW DIRECTION

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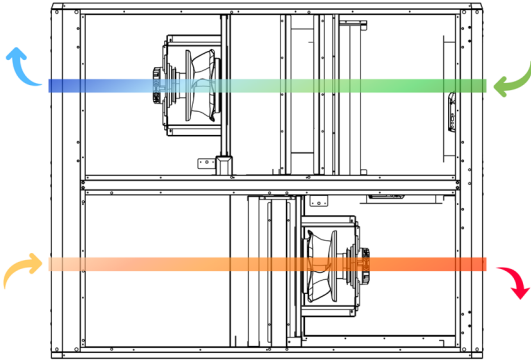


All Air Flow
Directions
Can Be
Changed As
Desired

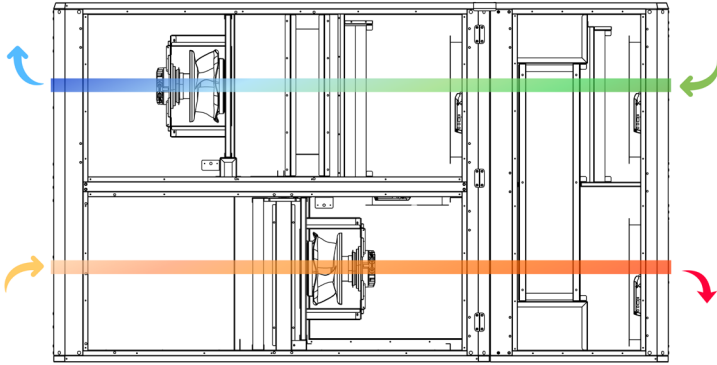


AIR FLOW DIRECTION

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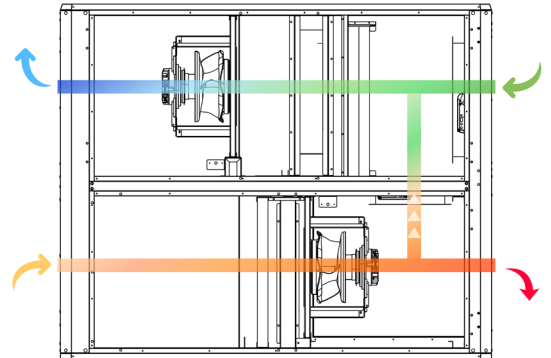


Operating on the principle of 100% fresh air; an air flow system in which outside air is blown in the opposite direction and return air is discharged in the opposite direction.

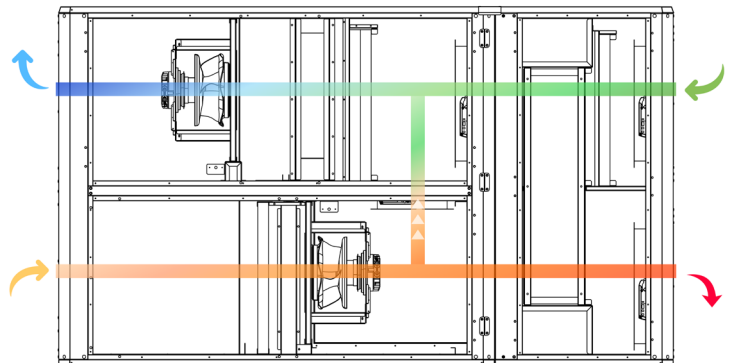


When a rotary wheel heat exchanger (rotor) operating on the principle of 100% fresh air is used; an air flow pattern where the outside air is blown in the opposite direction and the return air is discharged in the opposite direction.

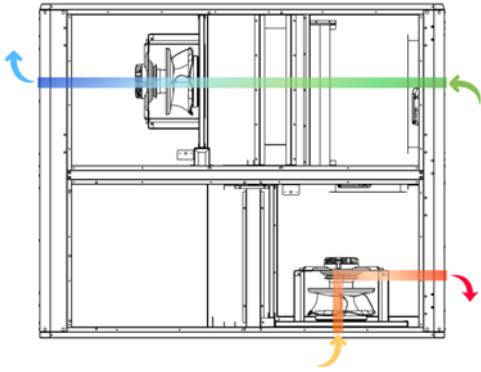
Operating on the principle of mixed air; an air flow system in which outside air is blown in the opposite direction and return air is discharged in the opposite direction.



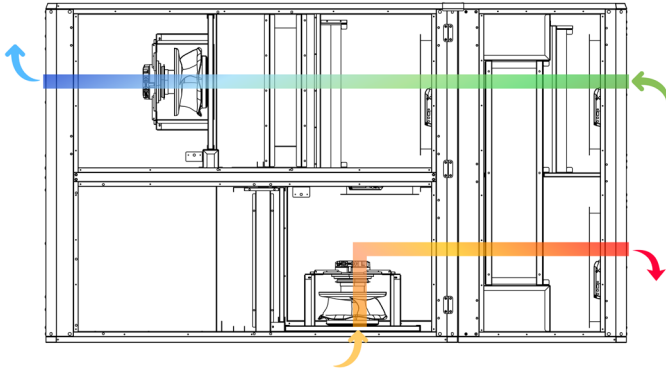
In the case where a rotary wheel heat exchanger (Rotor) is used in the mixed air working principle; an air flow pattern where the outside air is blown in the opposite direction and the return air is discharged in the opposite direction.



AIR FLOW DIRECTION

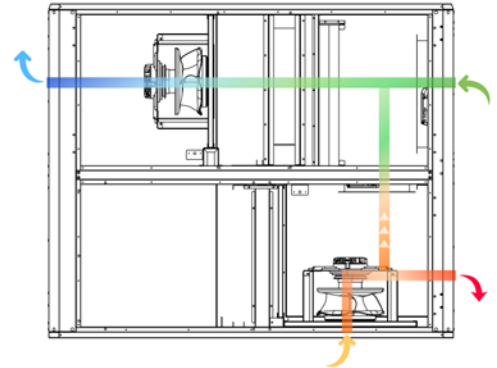


Operating on the principle of 100% fresh air; an airflow pattern where outside air is blown in the opposite direction and return air is discharged from below.

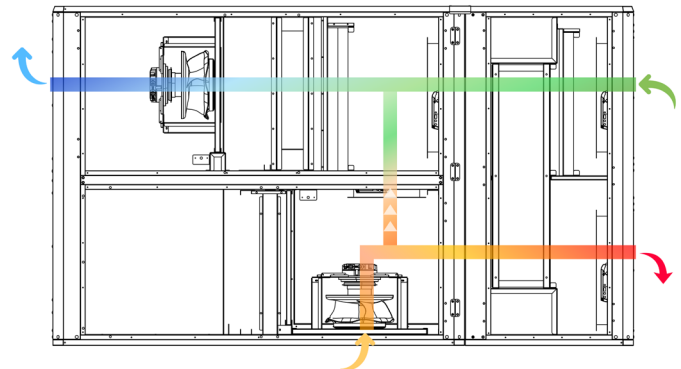


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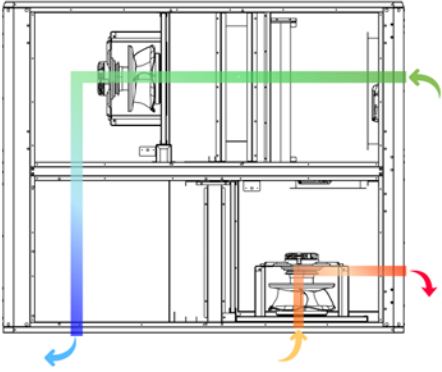


When a rotary wheel heat exchanger (rotor) operating on the principle of mixed air is used; an air flow pattern where the outside air is blown in the opposite direction and the return air is discharged from below.

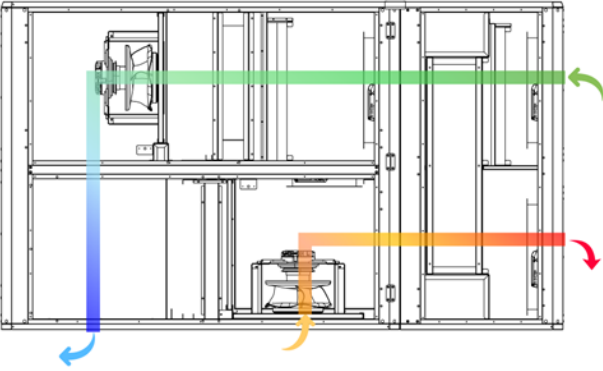


AIR FLOW DIRECTION

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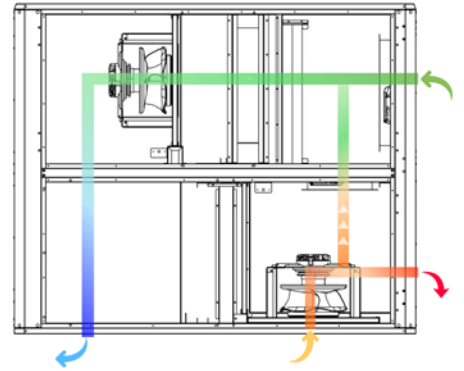


Operating on the principle of 100% fresh air; an air flow system in which outside air blown downwards, while return air is discharged from below.

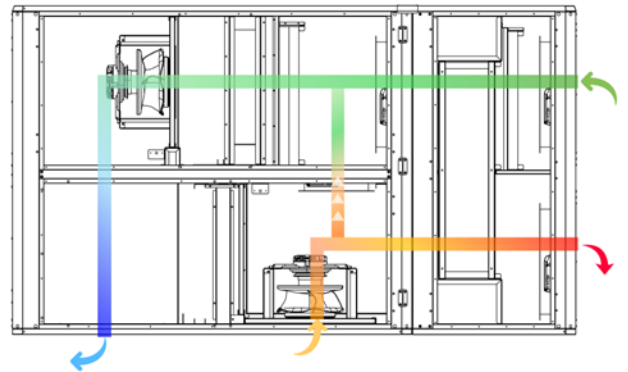


In cases where a rotary wheel heat exchanger operating on the principle of 100% fresh air is used; an air flow pattern where the outside air is blown downwards, while the return air is discharged from below.

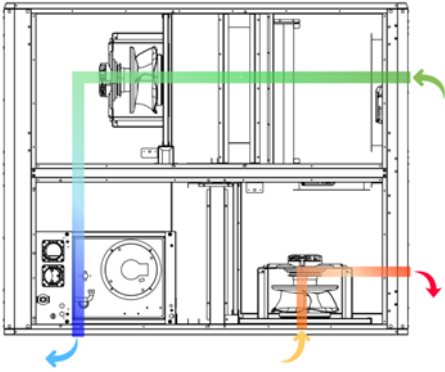
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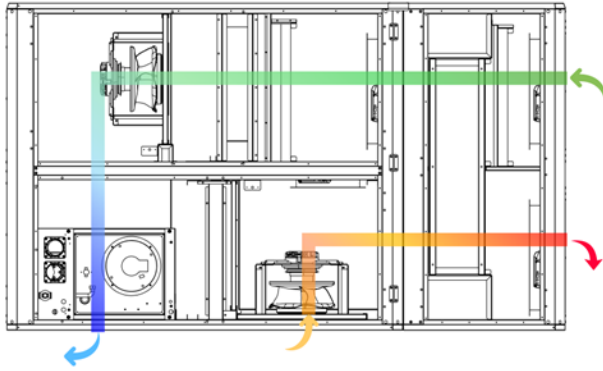
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AIR FLOW DIRECTION

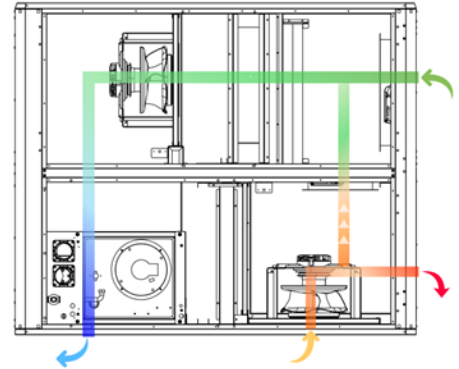


Operating on the principle of 100% fresh air; an air flow system in which outside air is heated by a gas burner and blown downwards, while return air is discharged from below.

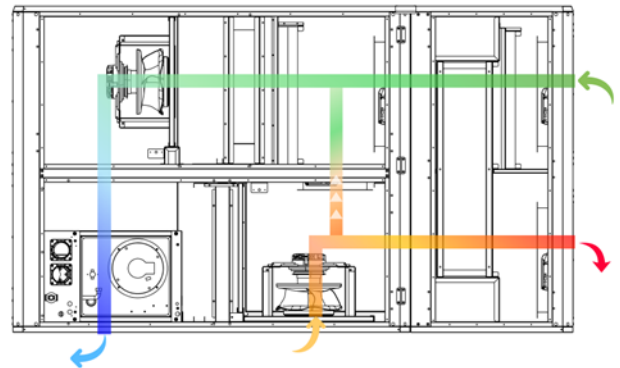


In cases where a rotary wheel heat exchanger operating on the principle of 100% fresh air is used; an air flow pattern where the outside air is heated by a gas burner and blown downwards, while the return air is discharged from below.

Operating on the principle of mixed air; an air flow system in which outside air is heated by a gas burner and blown downwards, while return air is discharged from below.

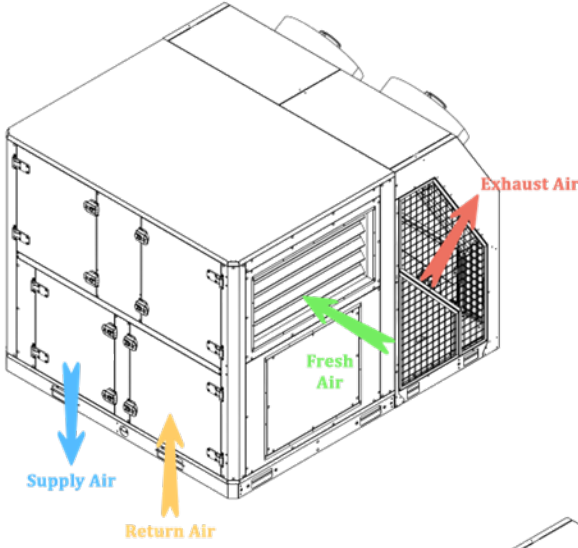


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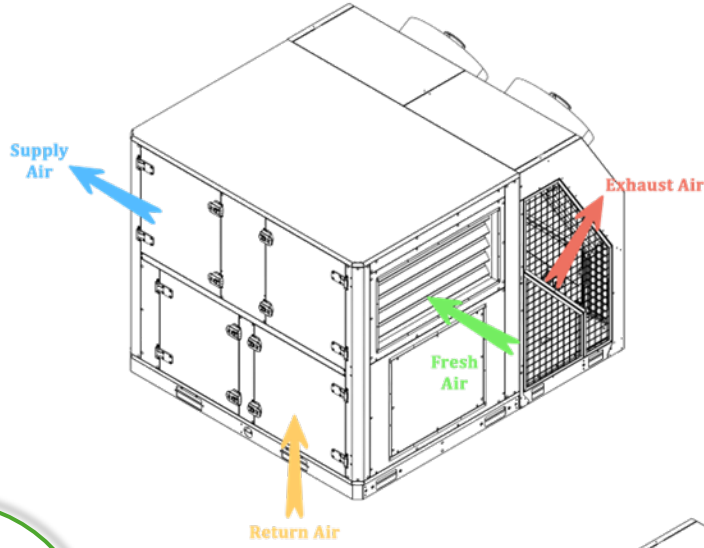


AIR FLOW DIRECTION

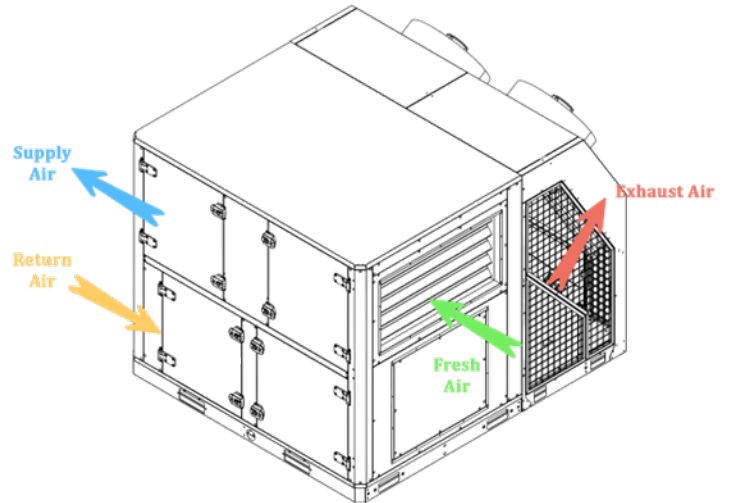
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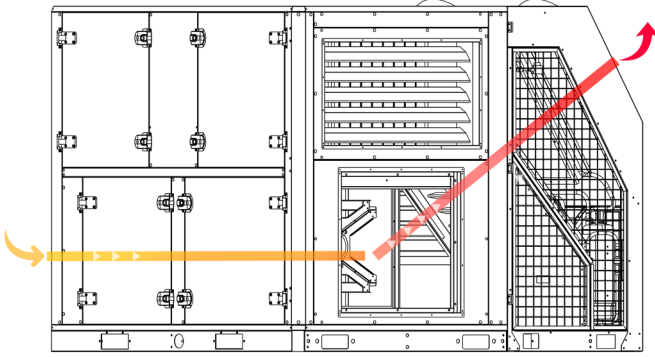
All Air Flow
Directions
Can Be
Changed As
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When the
Heat
Recovery
Option is
Used

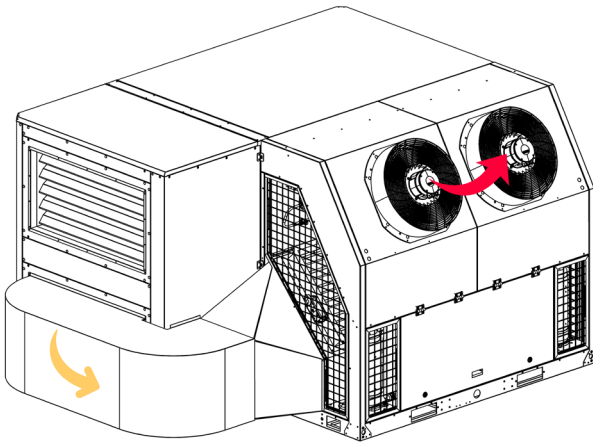
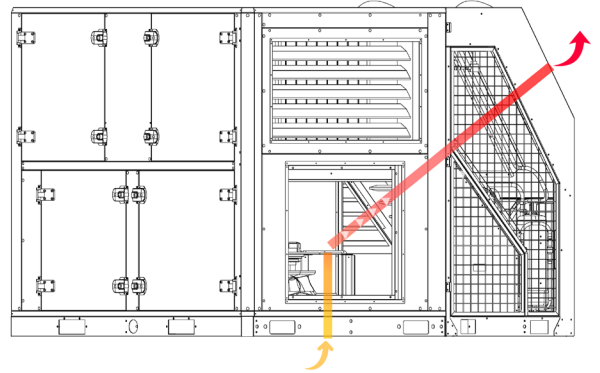


AIR FLOW DIRECTION



In operating modes with 100% fresh air or mixed air; in systems where outdoor air is blown in the opposite direction and room air is drawn from the opposite side, if the thermodynamic heat recovery option is used; flow directions where exhaust air is discharged after passing through the outdoor heat exchanger.

In operating modes with 100% fresh air or mixed air; in systems where outdoor air is blown in the opposite or downward direction and room air is drawn in from below, if the thermodynamic heat recovery option is used; flow directions where exhaust air is discharged after passing through the outdoor heat exchanger.



In systems operating in 100% fresh air or mixed air mode with rotary heat exchangers; in scenarios where supply and exhaust are arranged in opposite/lower directions; if thermodynamic heat recovery is preferred; the airflow pattern where the exhaust air exiting the rotor is discharged via a duct through an external DX coil

OPTIONAL EQUIPMENTS



- Motorized Economizer System
- Corrosion-Resistant Case
- Roof Base

- Thermodynamic Heat Recovery Kit
- Vertical-Horizontal Air Direction Options
- Numbered Wiring

Indoor Environment Quality Options:

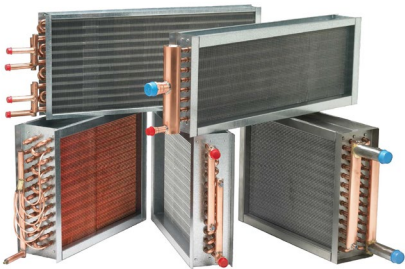
- M and F Filter Options
- UV Lamp
- Air Quality Sensor
- Humidity Sensor
- Filter Contamination Sensor
- Smoke Detector
- CO2 Sensor
- Economizer Options Additional Heating Options

Extended Heating Options:

- Electric Heater (2/3-stage - Proportional)
- Heater Battery
- Gas Heater

Other Options:

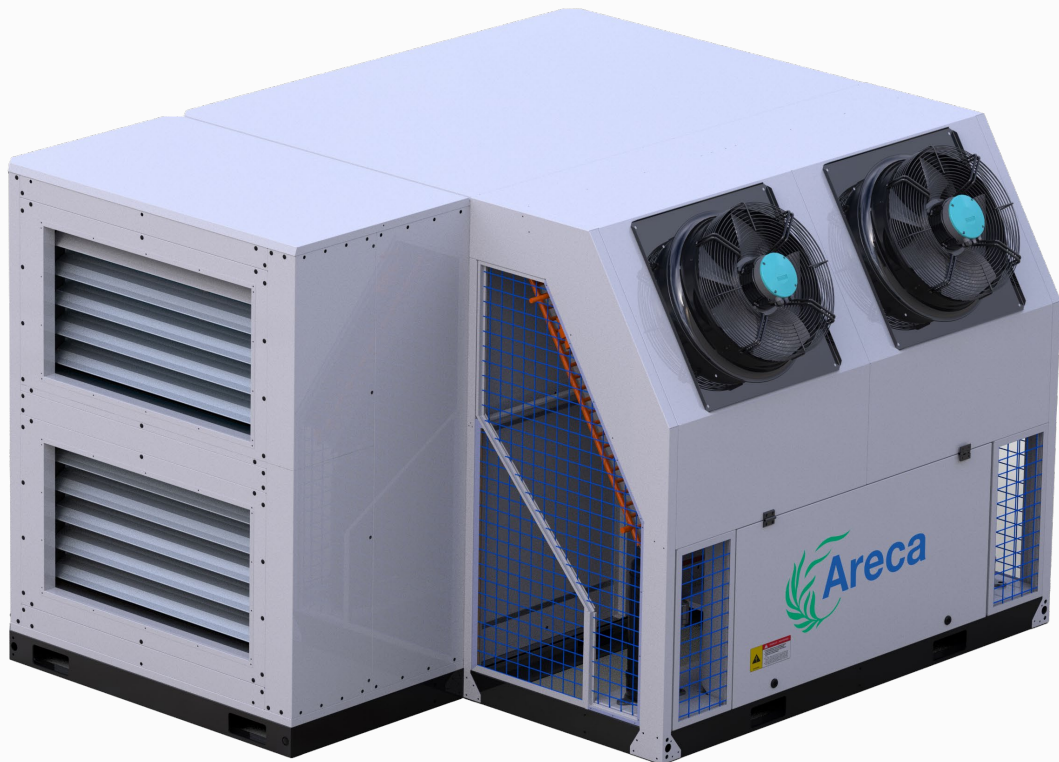
- Return Filter
- High Static Pressure Blower Fans
- High Static Pressure Exhaust Fans
- Corrosion-Resistant Batteries



C A S E 1

EAGLE 20 & 30

ALL IN ONE
PACKAGE HVAC UNITS



20 – 30 kW



20 – 30 kW



3000 – 7000 m³/h



A-20 (a) 4 (b) A (c) HP (d) 20 (e) P0(f) R1 (g) N (h)

- (a) A-20 = Eagle 20

(b) 4 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 20 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	20	Heating Capacity	kW	20
Total Capacity (with heat recovery wheel)	kW	37.8	Total Capacity (with rotor)	kW	42.6
Cooling Input Power	kW	4,518	Heating Input Power	kW	4,32
EER	-	4,427	COP	-	4,63
SEER	-	5,42	SCOP	-	5,73
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	3000	Air flow rate - Nominal	m³/h	4420
Air flow rate - Nominal	m³/h	4000	Sound Levels		
Air flow rate - Maximum	m³/h	5000	Sound Power (LWA)	dB(A)	65

- Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- SEER in accordance with standard EN14825.
- Space cooling energy efficiency following Eco design regulation EU2016/2281
- SCOP in accordance with standard EN14825 (average climate conditions).
- Space heating energy efficiency following Eco design regulation EU2016/2281.

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A-30 (a) 6 (b) A (c) HP (d) 30 (e) P0(f) R1 (g) N (h)

- (a) A-30 = Eagle 30

(b) 6 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 30 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

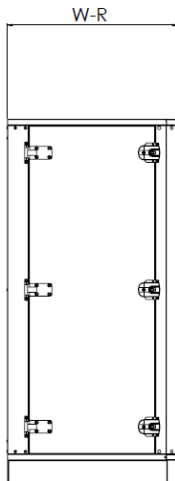
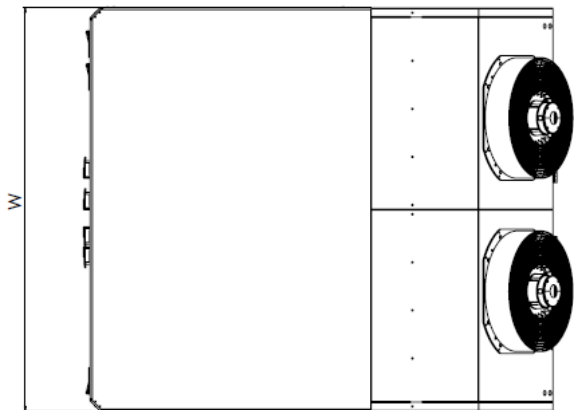
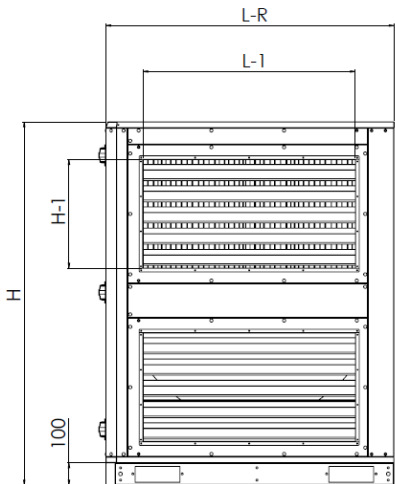
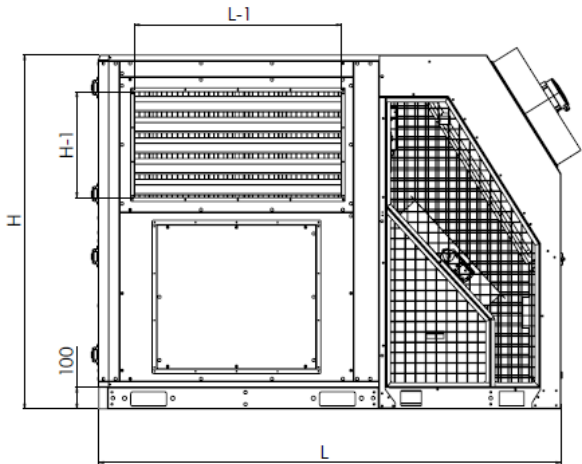
TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	30	Heating Capacity	kW	30
Total Capacity (with heat recovery wheel)	kW	56.3	Total Capacity (with rotor)	kW	63.6
Cooling Input Power	kW	6,810	Heating Input Power	kW	6,39
EER	-	4,410	COP	-	4,70
SEER	-	6,12	SCOP	-	5,90
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	5000	Air flow rate - Nominal	m³/h	6560
Air flow rate - Nominal	m³/h	6000	Sound Levels		
Air flow rate - Maximum	m³/h	7000	Sound Power (LWA)	dB(A)	69

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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DIMENSIONS & ROTOR MODULE



SIDE	UNIT	Case 1	
		20	30
W	mm	1980	
L		2360	
H		1750	
L-1		1000	
H-1		510	
L-R		1350	
W-R		800	
Weight	kg	915	960

C A S E 2

EAGLE 40 & 50

ALL IN ONE
PACKAGE HVAC UNITS



40 – 50 kW



40 – 50 kW



7000 – 11000 m³/h



A-40 (a) 8 (b) A (c) HP (d) 40 (e) P0(f) R1 (g) N (h)

- (a) A-40 = Eagle 40

(b) 8 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 40 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	40	Heating Capacity	kW	40
Total Capacity (with heat recovery wheel)	kW	75.4	Total Capacity (with rotor)	kW	85
Cooling Input Power	kW	9,32	Heating Input Power	kW	9,60
EER	-	4,29	COP	-	4,17
SEER	-	5,98	SCOP	-	5,69
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	7000	Air flow rate - Nominal	m³/h	8760
Air flow rate - Nominal	m³/h	8000	Sound Levels		
Air flow rate - Maximum	m³/h	9000	Sound Power (LWA)	dB(A)	74

- Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
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A-50 (a) 10 (b) A (c) HP (d) 50 (e) P0(f) R1 (g) N (h)

- (a) A-50 = Eagle 50

(b) 10 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 50 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

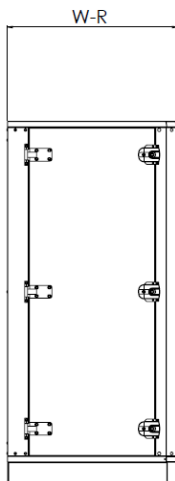
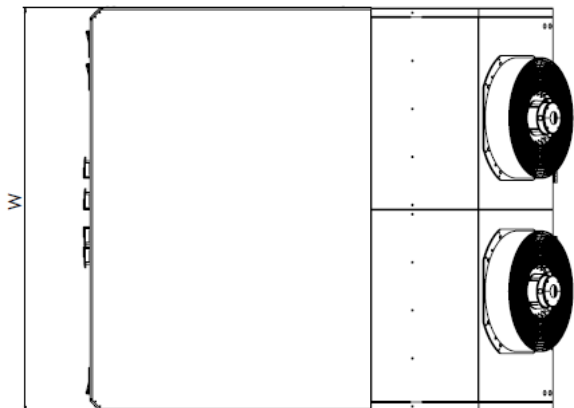
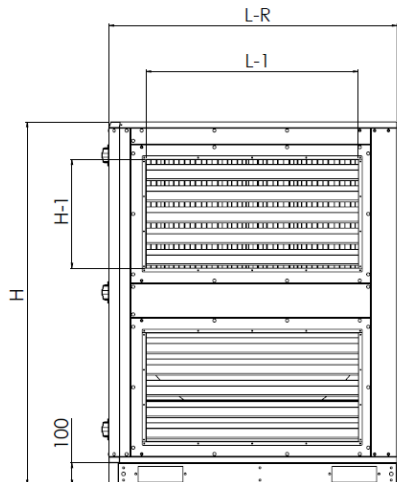
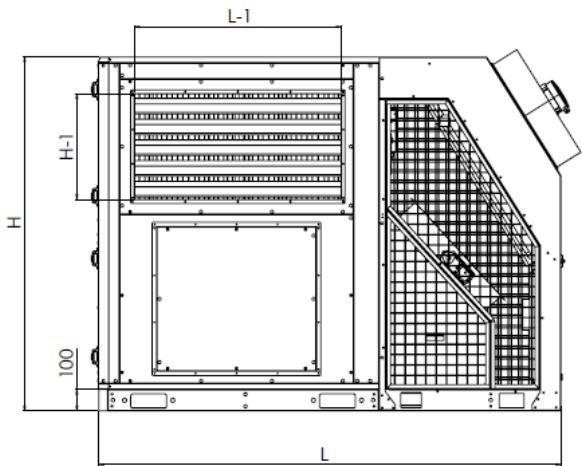
TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	50	Heating Capacity	kW	50
Total Capacity (with heat recovery wheel)	kW	95.5	Total Capacity (with rotor)	kW	108
Cooling Input Power	kW	12,19	Heating Input Power	kW	12,50
EER	-	4,10	COP	-	4,00
SEER	-	5,74	SCOP	-	5,20
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	9000	Air flow rate - Nominal	m³/h	11200
Air flow rate - Nominal	m³/h	10000	Sound Levels		
Air flow rate - Maximum	m³/h	11000	Sound Power (LWA)	dB(A)	76

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
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DIMENSIONS & ROTOR MODULE



		Case 2	
SIDE	UNIT	40	50
W	mm	2100	
L		3060	
H		1900	
L-1		1300	
H-1		510	
L-R		1690	
W-R		800	
Weight	kg	1105	1170

C A S E 3

EAGLE 60 & 70

ALL IN ONE
PACKAGE HVAC UNITS



60 – 70 kW



60 – 70 kW



11000 – 13000 m³/h



A-60 (a) 12 (b) A (c) HP (d) 60 (e) P0(f) R1 (g) N (h)

- (a) A-60 = Eagle 60

(b) 12 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 60 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	60	Heating Capacity	kW	60
Total Capacity (with heat recovery wheel)	kW	110,4	Total Capacity (with rotor)	kW	110.2
Cooling Input Power	kW	14,84	Heating Input Power	kW	13,93
EER	-	4,04	COP	-	4,31
SEER	-	6,43	SCOP	-	4,90
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	11000	Air flow rate - Nominal	m³/h	14540
Air flow rate - Nominal	m³/h	12000	Sound Levels		
Air flow rate - Maximum	m³/h	13000	Sound Power (LWA)	dB(A)	77

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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A-70 (a) 14 (b) A (c) HP (d) 70 (e) P0(f) R1 (g) N (h)

- (a) A-70 = Eagle 70

(b) 14 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 70 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

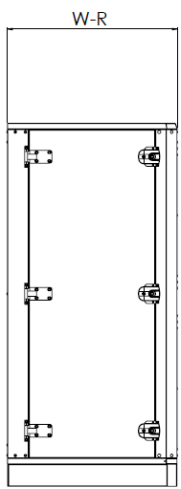
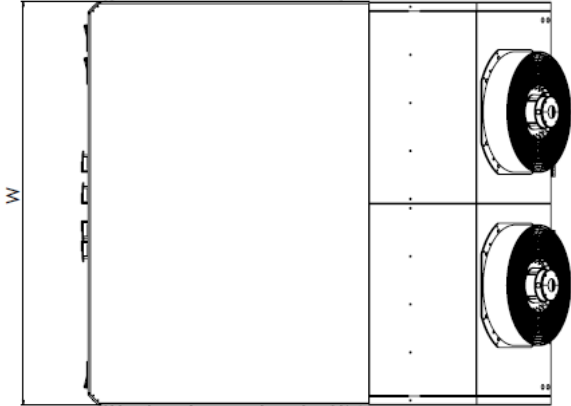
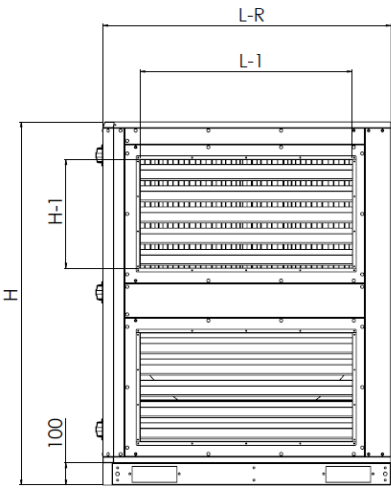
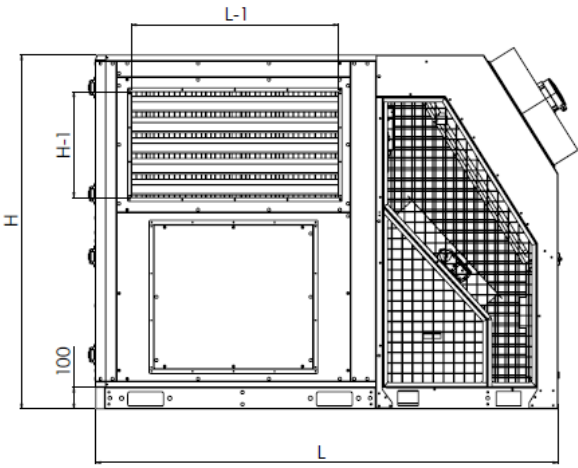
TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	70	Heating Capacity	kW	70
Total Capacity (with heat recovery wheel)	kW	138.1	Total Capacity (with rotor)	kW	137,6
Cooling Input Power	kW	17,36	Heating Input Power	kW	16,84
EER	-	4,03	COP	-	4,16
SEER	-	6,47	SCOP	-	4,82
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	13000	Air flow rate - Nominal	m³/h	14770
Air flow rate - Nominal	m³/h	14000	Sound Levels		
Air flow rate - Maximum	m³/h	15000	Sound Power (LWA)	dB(A)	79

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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DIMENSIONS & ROTOR MODULE



		Case 3	
SIDE	UNIT	60	70
W	mm	2270	
L		3540	
H		2210	
L-1		1600	
H-1		810	
L-R		1995	
W-R		800	
Weight	kg	1385	1440

C A S E 4

EAGLE 80 & 90

ALL IN ONE
PACKAGE HVAC UNITS



80 – 90 kW



80 – 90 kW



13000 – 15000 m³/h



A-80 (a) 16 (b) A (c) HP (d) 80 (e) P0(f) R1 (g) N (h)

- (a) A-80 = Eagle 80

(b) 16 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 80 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	80	Heating Capacity	kW	80
Total Capacity (with heat recovery wheel)	kW	157.5	Total Capacity (with rotor)	kW	157
Cooling Input Power	kW	21,52	Heating Input Power	kW	12,90
EER	-	3,72	COP	-	4,23
SEER	-	6,27	SCOP	-	4,64
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	15000	Air flow rate - Nominal	m³/h	19530
Air flow rate - Nominal	m³/h	16000	Sound Levels		
Air flow rate - Maximum	m³/h	17000	Sound Power (LWA)	dB(A)	80

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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A-90 (a) 18 (b) A (c) HP (d) 80 (e) P0(f) R1 (g) N (h)

- (a) A-90 = Eagle 90

(b) 18 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 90 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

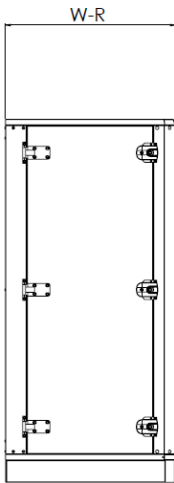
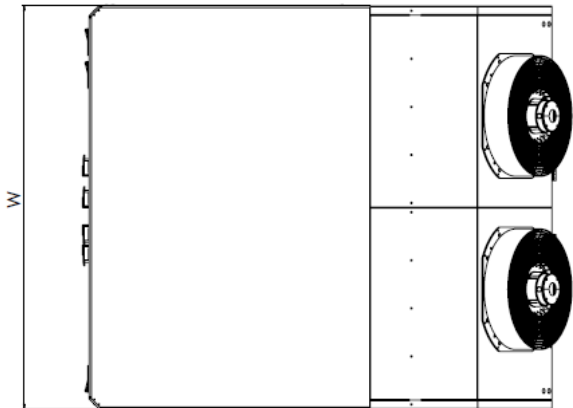
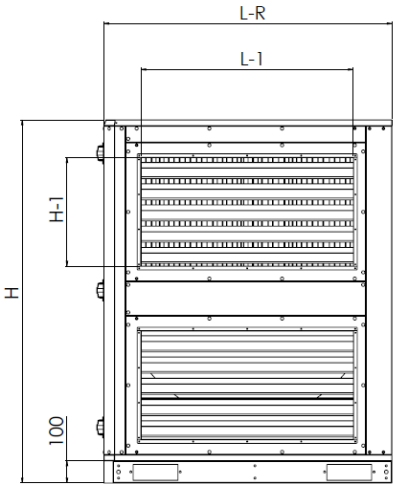
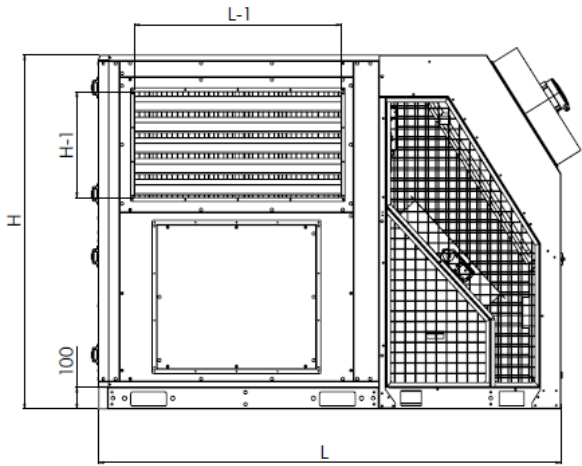
TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	90	Heating Capacity	kW	90
Total Capacity (with heat recovery wheel)	kW	177	Total Capacity (with rotor)	kW	176.4
Cooling Input Power	kW	24,58	Heating Input Power	kW	21,90
EER	-	3,66	COP	-	4,11
SEER	-	6,19	SCOP	-	4,77
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	17000	Air flow rate - Nominal	m³/h	21480
Air flow rate - Nominal	m³/h	18000	Sound Levels		
Air flow rate - Maximum	m³/h	19000	Sound Power (LWA)	dB(A)	81

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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DIMENSIONS & ROTOR MODULE



		Case 4	
SIDE	UNIT	80	90
W	mm	2270	
L		3870	
H		2330	
L-1		1800	
H-1		810	
L-R		2195	
W-R		800	
Weight	kg	1510	1590

C A S E 5

EAGLE 100 ~ 130

ALL IN ONE
PACKAGE HVAC UNITS



100 - 130 kW



100 - 130 kW



19000 - 27000 m³/h



A-100 (a) 16 (b) A (c) HP (d) 80 (e) P0(f) R1 (g) N (h)

- (a) A-100 = Eagle 100

(b) 20 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 100 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	100	Heating Capacity	kW	100
Total Capacity (with heat recovery wheel)	kW	196.5	Total Capacity (with rotor)	kW	195.9
Cooling Input Power	kW	25,23	Heating Input Power	kW	24,86
EER	-	3,96	COP	-	3,71
SEER	-	5,90	SCOP	-	4,8
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	19000	Air flow rate - Nominal	m³/h	23720
Air flow rate - Nominal	m³/h	20000	Sound Levels		
Air flow rate - Maximum	m³/h	21000	Sound Power (LWA)	dB(A)	84

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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A-110 (a) 22 (b) A (c) HP (d) 110 (e) P0(f) R1 (g) N (h)

- (a) A-110 = Eagle 100

(b) 22 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 110 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	110	Heating Capacity	kW	110
Total Capacity (with heat recovery wheel)	kW	216.2	Total Capacity (with rotor)	kW	215.5
Cooling Input Power	kW	29,82	Heating Input Power	kW	28,44
EER	-	3,69	COP	-	3,43
SEER	-	5,86	SCOP	-	4,74
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	21000	Air flow rate - Nominal	m³/h	27560
Air flow rate - Nominal	m³/h	22000	Sound Levels		
Air flow rate - Maximum	m³/h	23000	Sound Power (LWA)	dB(A)	86

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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A-120 (a) 16 (b) A (c) HP (d) 120 (e) P0(f) R1 (g) N (h)

- (a) A-120 = Eagle 120

(b) 24 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 120 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	120	Heating Capacity	kW	120
Total Capacity (with heat recovery wheel)	kW	235.9	Total Capacity (with rotor)	kW	235.1
Cooling Input Power	kW	31,26	Heating Input Power	kW	31,32
EER	-	3,84	COP	-	3,36
SEER	-	5,95	SCOP	-	4,16
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	23000	Air flow rate - Nominal	m³/h	30680
Air flow rate - Nominal	m³/h	24000	Sound Levels		
Air flow rate - Maximum	m³/h	25000	Sound Power (LWA)	dB(A)	89

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
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A-130 (a) 18 (b) A (c) HP (d) 130 (e) P0(f) R1 (g) N (h)

- (a) A-130 = Eagle 130

(b) 26 = Nominal air flow(x1000m³/h)

(c) A = Air Cooled – W = Water Cooled

(d) HP = Heat Pump - O = Only Cooling
- (e) 130 = Nominal cooling capacity in kW

(f) P0 = Not available Pre-heater – P1 = Pre-heater available

(g) R1 = Rotor available – R0 = Not available rotor

(h) G = Gas burner – W = Hot Water Coil

E = Electrical Heater - N = None

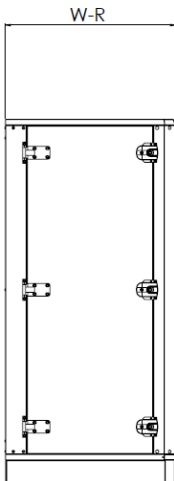
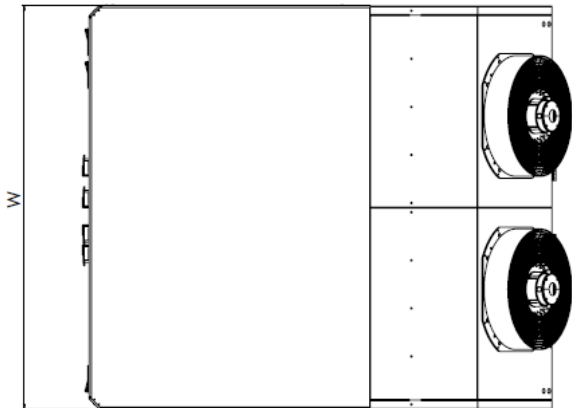
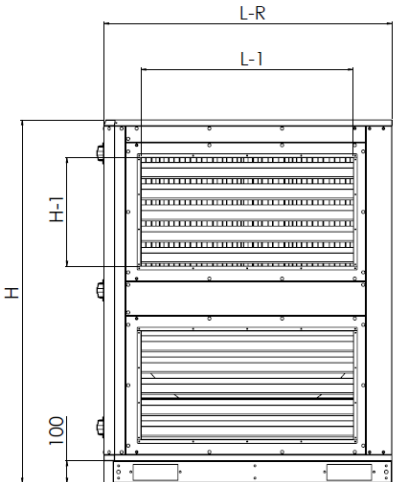
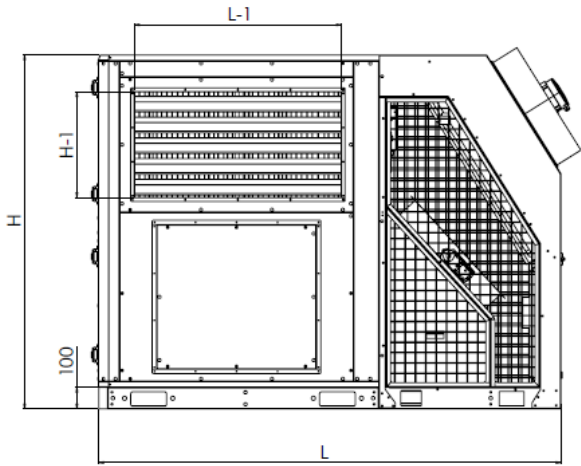
TECHNICAL DATA

Cooling			Heating		
Cooling Capacity	kW	130	Heating Capacity	kW	130
Total Capacity (with heat recovery wheel)	kW	255.6	Total Capacity (with rotor)	kW	254.8
Cooling Input Power	kW	34,71	Heating Input Power	kW	28,49
EER	-	3,75	COP	-	3,34
SEER	-	5,90	SCOP	-	4,1
Energy Efficiency Class	A+ to E	A+	Energy Efficiency Class	A+ to E	A+
Compressor	Type / Number		Inverter Scroll		2
Indoor fan(s) - EC Type			Outdoor fan(s) - EC Type		
Number of Fans	-	2	Number of Fans	-	2
Air flow rate - Minimum	m³/h	25000	Air flow rate - Nominal	m³/h	31000
Air flow rate - Nominal	m³/h	26000	Sound Levels		
Air flow rate - Maximum	m³/h	27000	Sound Power (LWA)	dB(A)	91

- 1) Cooling mode: According to EN14511 nominal conditions - Outdoor temperature 35°C DB - Indoor temperature 27°C DB / 19°C WB
- 2) Heating mode: According to EN14511 nominal conditions - Outdoor temperature 7°C DB / 6°C WB - Indoor temperature 20°C DB
- 3) SEER in accordance with standard EN14825.
- 4) Space cooling energy efficiency following Eco design regulation EU2016/2281
- 5) SCOP in accordance with standard EN14825 (average climate conditions).
- 6) Space heating energy efficiency following Eco design regulation EU2016/2281.

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DIMENSIONS & ROTOR MODULE



		Case 5			
SIDE	UNIT	100	110	120	130
W	mm	2270			
L		4840			
H		2510			
L-1		2125			
H-1		810			
L-R		2505			
W-R		800			
Weight	kg	1790	1830	1885	1920

EAGLE ALL IN ONE PACKAGE HVAC UNIT

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EAGLE

PACKAGE
HVAC UNITS

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ALL IN ONE

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Adatepe Mahallesi Doğu Caddesi
Dokuz Eylül Üniversitesi Merkez Yerleşkesi
DEPARK Alfa Binası 207/Z Ofis No: Z07
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