

PHOENIX

PACKAGED HYGIENIC AIR HANDLING UNIT

ENGINEERED FOR CLEANROOMS & OPERATING ROOMS

100% FRESH AIR HYGIENIC AIR HANDLING

Fully integrated, self-contained air handling
for critical controlled environments.



PHX-30 • PHX-50 • PHX-70



WIDE OPERATING RANGE

-20°C TO +45°C

NO ADDITIONAL OUTDOOR CONDENSING UNIT

PLUG & PLAY • HEAT RECOVERY

ALL-IN-ONE DX • INTEGRATED CONTROLS

≡ 2,000–8,000
m³/h SUPPLY AIRFLOW

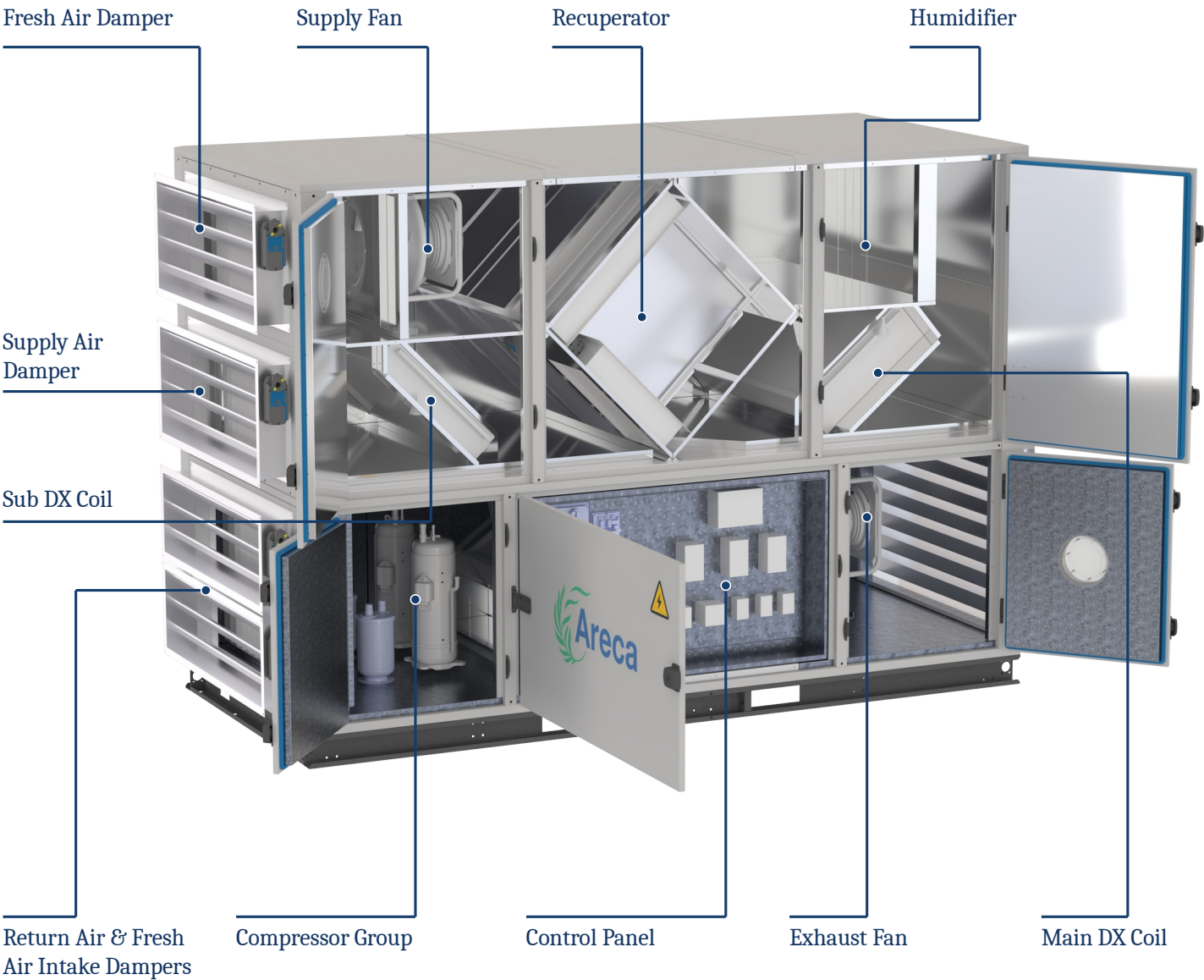
❄ 26.3–103.4
kW DX COOLING

🔥 21.1–105.0
kW DX HEATING

PHOENIX

OPERATING PRINCIPLE

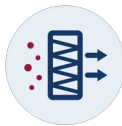
Phoenix is a high-performance hygienic air conditioning solution integrating heat recovery, variable-capacity DX cooling/heating and precise humidity control for healthcare and controlled environment applications.



100%
Fresh Air



Hygienic
Design



Advanced
Filtration



Heat
Recovery



EC Radial
Plug Fans



DC Inverter
Compressors



Reliable &
Safe

PHOENIX

TECHNICAL PERFORMANCE

Three casing sizes • Nine airflow selections • 100% fresh air

PHX-30 / PHX-50 / PHX-70

ALL-IN-ONE • R32 • DC INVERTER

MODEL	SUPPLY AIR FLOW m ³ /h	DX COOLING CAPACITY kW	DX HEATING CAPACITY kW	STEAM HUMIDIFIER kg/h	SUMMER TOTAL INPUT POWER kW	WINTER TOTAL INPUT POWER kW
PHX-30	2,000	26.3	21.1	31.5	7.42	26.51
	3,000	39.7	39.5	35.2	14.08	32.35
	4,000	52.8	52.1	46.5	20.68	43.45
PHX-50	4,000	53.0	50.4	50.7	18.29	46.26
	5,000	66.2	63.6	60.4	25.18	55.82
	6,000	79.2	78.5	70.1	33.58	66.33
PHX-70	6,000	79.5	77.8	71.7	29.06	65.57
	7,000	92.6	90.8	83.3	35.63	76.88
	8,000	103.4	105.0	94.6	40.29	89.12

1) Rating conditions: Summer outdoor air 37°C DB / 38% RH • Winter outdoor air -10°C DB / 70% RH.

2) Total electrical input includes compressors, fans and steam humidification where applicable; DX heating excludes humidifier power.

Areca reserves the right to revise technical specifications, capacities and dimensions without prior notice.

PLUG & PLAY

SELF-CONTAINED • ALL-IN-ONE

No separate outdoor condensing unit or auxiliary refrigeration package required.

INTEGRATED BY DESIGN

01 READY-TO-CONNECT

Factory-integrated DX circuit, heat recovery and fans.

02 BUILT-IN CONTROLS

Integrated electrical panel and automatic control system.

03 SIMPLER INSTALLATION

Compact packaged configuration minimizes external HVAC equipment.

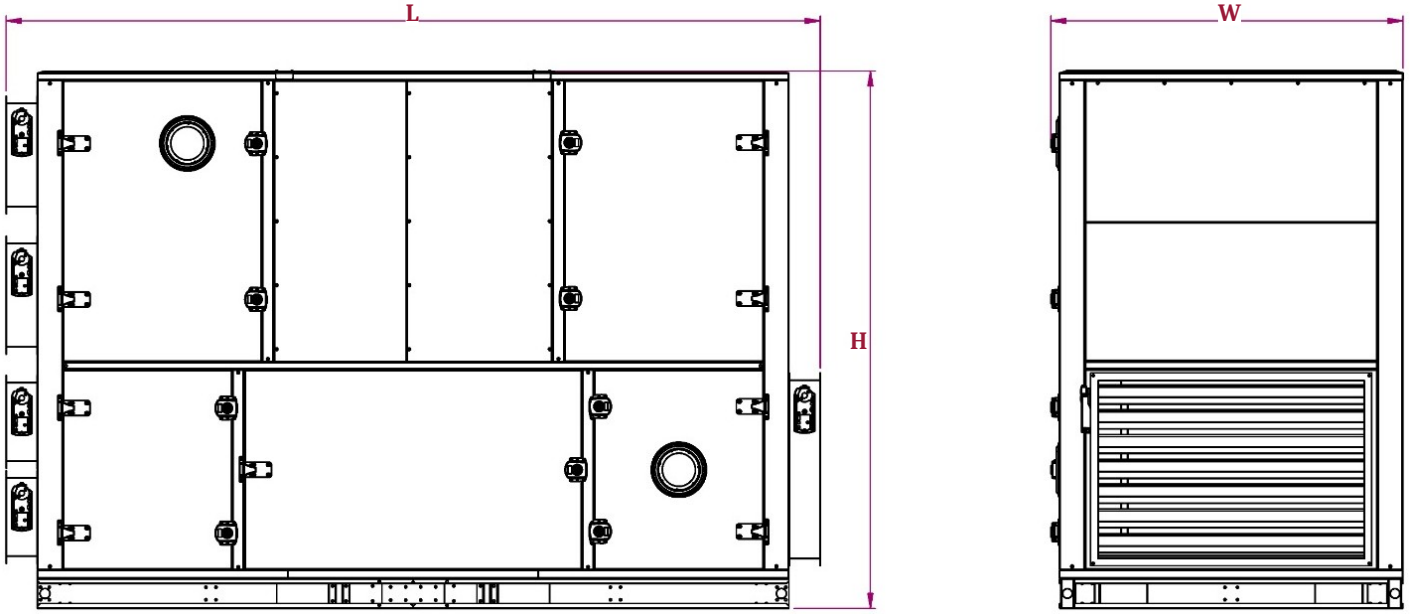
System still requires project-specific ductwork, electrical supply, drainage and commissioning.

Values are design calculations; final certified selection and configuration subject to project confirmation.

PHOENIX

DIMENSIONS

Three casing sizes • Overall dimensions in mm



MODEL	WIDTH W · mm	HEIGHT H · mm	LENGTH L · mm
PHX-30	1,410	2,150	3,250
PHX-50	1,610	2,250	3,710
PHX-70	1,810	2,500	4,170

Drawing shown: PHX-30. Dimensions are overall W × H × L as indicated in the drawing.

Service clearances, transport sections and weights are confirmed with the project-specific selection.

Areca reserves the right to modify designs, technical specifications, capacities and dimensions without prior notice.