

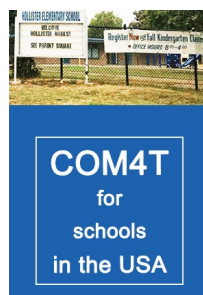


COM4T

Heating and Cooling Solutions for the
Modular Buildings, Education Industries
and Light Commercial Applications

ABOUT US

AIRSYS is the HVAC technology leader when it comes to Wall Packaged Units (WPU) for schools. To deploy an AIRSYS COM4T system on a classroom means quality, reliability, efficiency and performance at the highest level available. The COM4T units are best in class products backed by a dedicated group of professionals committed to support 24x7x365.



PRODUCT OVERVIEW

The heat pump system used in our COM4T units is designed with advanced inverter driven technology to provide variable speed capacity. Our COM4T units lead the industry in quiet operation, energy efficiency, reliability and comfort control.

COM4T heat pumps are wall mounted packaged units, including indoor and outdoor series for different applications. The refrigerant piping and internal wiring are factory assembled and thoroughly tested. All components are readily accessible for easy service and maintenance.



Indoor COM4T Unit



Outdoor COM4T Unit

Series	Model	Cooling Capacity*	Heating Capacity*	Fresh Air Volume	PTC Heater	ERV	CRV	Economizer	Curb	Power
Heat Pump (Outdoor)	CV36H2A	19,800~42,300Btu/h	17,100~41,000Btu/h	~450CFM	0~12kW	√	√	√	√	Single or 3 Phase
	CV60H3A	29,300~67,600Btu/h	28,000~67,200Btu/h	~550CFM	0~12kW	√	√	√	√	Single or 3 Phase
Heat Pump (Indoor)	CV36N3A	19,100~41,600Btu/h	17,100~41,000Btu/h	~450CFM	0~12kW	√	√	√	-	Single or 3 Phase
	CV60N3A	27,900~66,900Btu/h	28,000~67,200Btu/h	~550CFM	0~12kW	√	√	√	-	Single or 3 Phase

*Note: measured according to AHRI390, cooling capacity @ 80 °F/95 °F; heating capacity @ 70°F/47 °F.

QUIET OPERATION

A better understanding of how critical sound impacts children's habits in the classroom has led us to pay maximum attention on minimizing noise levels.

Determined by the certified noise testing party DL Acoustics Research & Consulting, AIRSYS COM4T units only generate 36.7dBA at low speeds and only 39.3dBA at high speeds. At high speeds, the COM4T unit is > 70% quieter than the noise level required by the most stringent code in the country at 45dBA. The COM4T unit delivers quiet comfort allowing our children more enhanced concentration in the learning environment.



ENERGY EFFICIENCY

The Inverter compressor capacity is able to change from 30%~120% of nominal capacity to match the load inside the classroom. Our COM4T units can achieve EER >11 with nominal cooling capacity @ AHRI 390 test conditions. When units are working at part-load, they can achieve EER up to 18. This is the highest efficiency performance level available on the market and will result in a substantial reduction in electricity consumption for our schools.



COMFORT CONTROL

The AIRSYS COM4T units deliver real-time demand cooling and heating capacity according to the needs of the environment. The variable capacity system continuously adjusts with small temperature fluctuations increasing the accuracy of temperature control for more advanced human comfort.

Even with a sudden dramatic change in the environmental load, our COM4T units can initiate overspeed operation to rapidly cool down or heat up a room. COM4T units detect the temperature changes in the room and react by adjusting motor capacity intelligently and smoothly to provide the optimal environment for human comfort.



MODEL NOMENCLATURE

C	V	36	H	2	A	-	A	W	A	X	X	-	X	2	X	X
MODEL SERIES C - COM4T	UNIT TYPE V - Variable Capacity Inverter Compressor EC Supply Fan EC Condenser Fan Heat Pump	CAPACITY 36 - 2~4Ton 60 - 3~6Ton	CABINET TYPE H - Outdoor Cabinet N - Indoor Cabinet	CABINET SIZE	REVISIONS	SPECIALTY PRODUCT	POWER SOURCE A - 230-208/60/1 B - 230-208/60/3 C - 460/60/3	CONTROL MODULES W - Wire Control	REFRIGERANT A - R410A	COLOR OPTIONS X - Tan G - Gray B - Black Z - Bronze W - White	COIL OPTIONS X - Standard C - Standard + Coastal Protection Coated Coils, Stainless Steel Fastener E - Option C + Stainless Steel Body	OPTIONAL PRODUCT	VENTILATION OPTIONS X - CRV Motorized Fresh Air Damper B - Blank-Off Plate R - Energy Recovery Ventilator E - Economizer	HEATER OPTIONS 0 - No Heater 2 - 4kW 3 - 6kW 4 - 8kW 5 - 10kW	FILTER OPTIONS X - 2" Standard MERV-8/ G4 Throwaway 1 - 4" MERV-8/ G4 Throwaway 2 - 2" MERV-10/F5 Washable 3 - 4" MERV-13/F7 Throwaway (CA min.) 4 - 4" MERV-10/F5 Washable	CUSTOM OPTIONS X - Standard

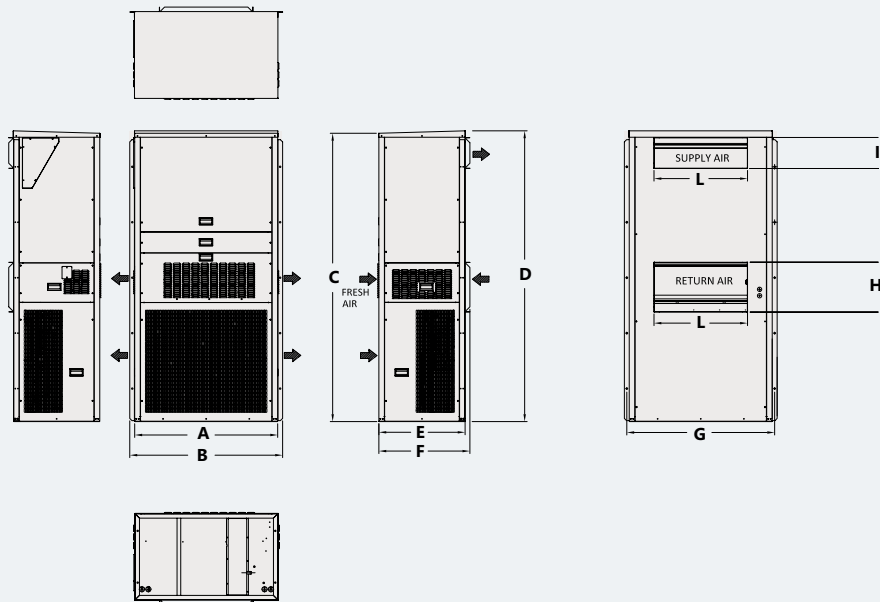
UNIT DIMENSIONAL DRAWINGS

CV36H2A

Model	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)	L (in)	
CV36H2A	45 11/16	48 13/16	85 1/16	85 13/16	27 9/16	29 1/16	47 1/4	15 7/8	9 13/16	29 7/8	

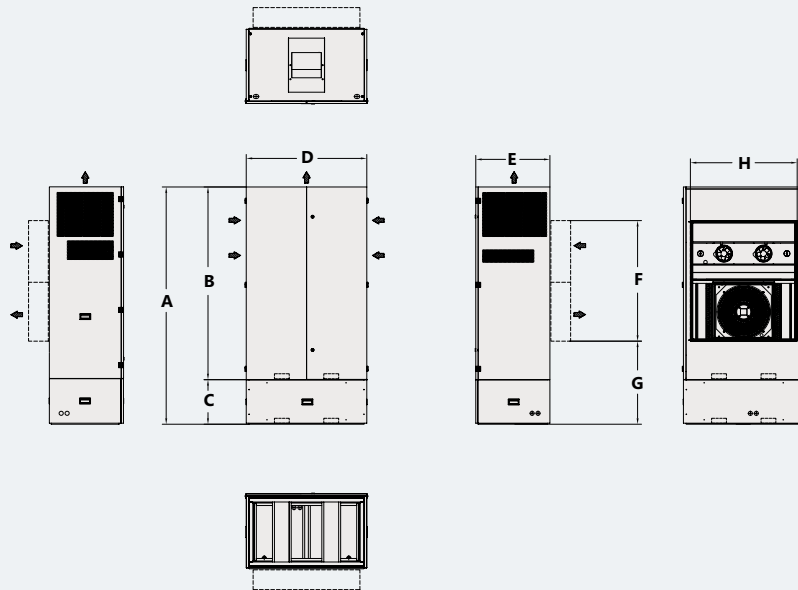
UNIT DIMENSIONAL DRAWINGS

CV60H3A



Model	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)	L (in)
CV60H3A	45 11/16	48 13/16	92 1/8	92 15/16	27 9/16	29 1/16	47 1/4	15 15/16	9 15/16	29 7/8

CV36N3A // CV60N3A



Model	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)
CV36N3A//CV60N3A	94 1/2	76 3/4	17 11/16	48 1/16	27 1/2	48 1/16	33 1/16	42 1/2

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