

### *Tempest Telecom Solutions*

Brings you the most energy efficient WPU (Wall Pack Unit) available today from the global leader in ICT cooling  
*AirSys Refrigeration Engineering*

- ❖ Integrated Free Air Cooling (economizer)
- ❖ Precision Lead/Lag control
- ❖ Lowest TCO (Total Cost of Ownership)



**SPECIFICATIONS: WPU with integrated Free Cooling**

Model	Model	8E1C2-5K	13E1C3-5K	18E1C4-5K	
	Product No.	4070141100	4070132100	4070141400	
Capacity	Supply Airflow Type	Downflow			
Power supply		197VAC~264VAC/1Ph/60Hz			
Cooling Capacity	Total Capacity (1)	Btu	29,000	46,400	65,100
		kW	8.5	13.6	19.1
		TR	2.5	3.5	5.0
	Sensible Heat Ratio (1)		0.97	0.90	0.90
	Sensible Capacity (1)	Btu	28,132	41,763	58,326
		kW	8.2	12.2	17.1
	EER (1)	Btu/W	10.8	10.5	10.2
	COP (1)	W/W	3.2	3.1	3.0
	Free Cooling Capacity (2)	Btu	34,900	41,900	69,900
kW		10.3	12.3	20.5	
EER (2)	Btu/W	89.5	99.8	89.6	
COP (2)	W/W	26.3	29.3	26.3	
Electric Heater (3)	Type	Stainless Finned Type			
	Heating Capacity	Btu	17,060	17,060	17,060
		kW	5.0	5.0	5.0
Current	A	20.8	20.8	20.8	
Compressor	Type	Hermetic Scroll Type			
	Power Input (1)	kW	1.95	3.40	4.90
	Current Input (1)	A	8.1	14.2	20.4
Evaporator Fan	Type	EC Centrifugal Fan			
	Fan Qty	n.	1	2	
	Power Input	kW	0.39	0.42	0.78
	Current Input	A	1.6	1.8	3.3
	Air Volume	CFM	1,500	1,800	3,000
Condenser Fan	Fan Qty	n.	1		
	Power Input	kW	0.35	0.60	0.73
	Current Input	A	1.5	2.5	3.0
	Air Volume	CFM	3,200	3,700	4,400
Refrigerant	Type	R407C			
	Control	Thermal Expansion Valve			
	Qty	lbs	7.7	9.9	13.0
Air Filter	Preliminary Air Filter	Nylon Net			
	Main Air Filter	2" disposable pleated type			
Ambient Temperature (4)	Lower limit Ambient Temp.	°F	-25	-25	-25
	Upper limit Ambient Temp.	°F	127	127	127
Noise (5)	Indoor Side	dB(A)	54	56	62
	Outdoor Side	dB(A)	57	61	64
Dimensions & Weight	Width	in	39.76	45.67	53.54
	Depth	in	27.56	27.56	27.56
	Height	in	83.86	83.86	83.86
	Weight	lbs	529	672	908

(1) — AIRSYS WPU Efficiency and Capacity Ratings @ARI Standard 390. Cooling rated at 95°F outdoor and 80°/67°F indoor.

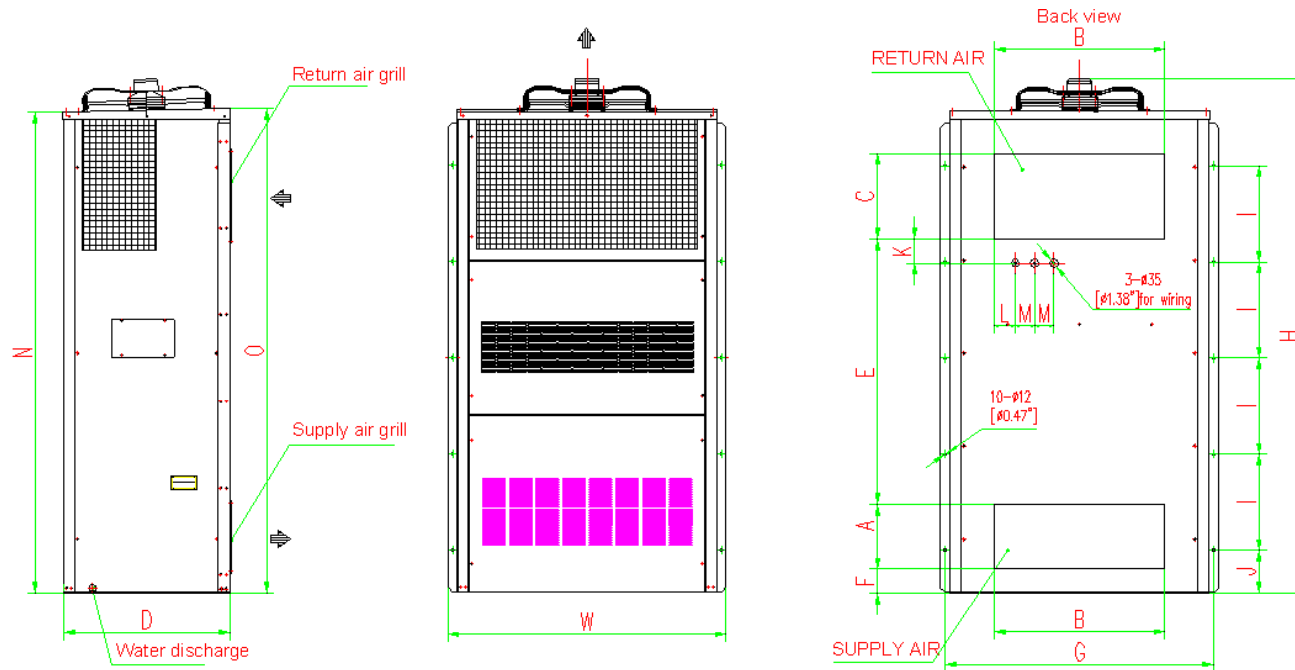
(2) — Optional function. Measured at 21.6°F.

(3) — Optional function.

(4) — Minimum and Maximum working ambient temperature with return air temperature ≤75°F.

(5) — When ambient temperature is 95°F, 6.5 feet distance from unit in open space.

## EXTERNAL DIMENSIONS



**Dimensions of Basic Unit for Architectural and Installation Requirements (Nominal)**

**NOTE:** Dimensional tolerance  $\pm 1/16''$  (2 mm)

MODEL	UNIT	WIDTH (W)	DEPTH (D)	HEIGHT (H)	SUPPLY		RETURN		E	F	G	I	J	K	L	M	N	O
					A	B	C	B										
8.E1C2	MM	1010	700	2130	268	708	356	708	1104	101	970	400	178	101	86.5	80	1999	2017
	IN	39.76	27.56	83.86	10.55	27.87	14.0	27.87	43.46	4.0	38.19	15.75	7.0	4.0	3.41	3.15	78.7	79.4
13.E1C3	MM	1160	700	2130	268	759	356	759	1104	101	1120	400	178	101	112	80	1999	2017
	IN	45.67	27.56	83.86	10.55	29.88	14.0	29.88	43.46	4.0	44.09	15.75	7.0	4.0	4.41	3.15	78.7	79.4
18.E1C4	MM	1360	700	2130	268	880	356	880	1104	101	1280	400	178	101	112	80	1999	2017
	IN	53.54	27.56	83.86	10.55	34.65	14.0	34.65	43.46	4.0	50.39	15.75	7.0	4.0	4.41	3.15	78.7	79.4