

## Condensing Unit-DX

*TCU 75-150 M1 Series*



## 1. Introduction

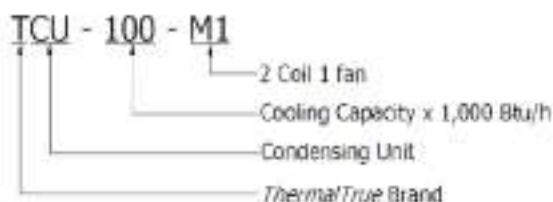
The **TCU-M1** Series of Modular Condensing Units are available in a series of standard sizes as well as customized to requirements.

The **TCU Standard Series** covers a range of 75,000 Btu/h to 150,000 Btu/h for modular applications.

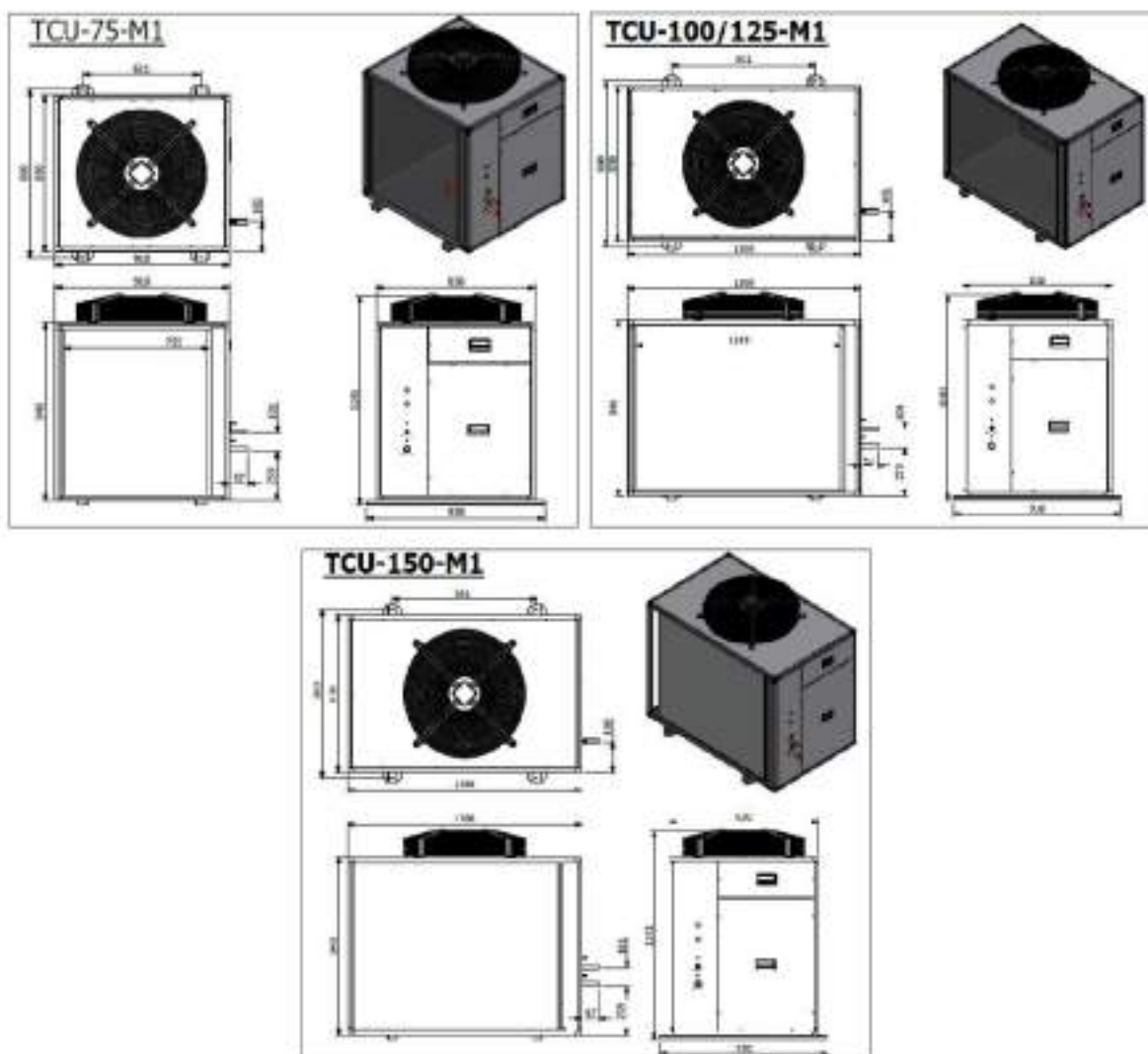
Customized units are available upon demand to provide complementary solutions to special dimension request, special unit configuration or arrangement, high ambient temperature environment, ozone friendly refrigerant requirement, special corrosion resistance requirement, and special hazardous environment requirements.

We improve our products continuously, therefore we reserve the right to make modifications without prior notice.

## 2. Nomenclature



## 3. Dimensional Data



## 4. Specification Data

MODEL			TCU-75-M1	TCU-100-M1	TCU-125-M1	CU-150-M1
Nominal Capacity	Btu/h		75,000	100,000	125,000	150,000
	Watt		21,961	29,281	36,601	43,922
	Kcal/h		18,900	25,200	31,499	37,799
Total Heat Rejection	Btu/h		0	0	0	0
	Watt		0	0	0	0
	Kcal/h		0	0	0	0
Nominal Airflow	CFM		4896	6896	6988	8552
	CMM		138.6	195.3	197.9	242.2
	L/s		2310.7	3254.5	3298.0	4,036
Compressor	Power Supply	V/ph/Hz	380-415V/3ph/50Hz			
	Type		Copeland Hermetic Scroll			
	Standard Model		ZR-94-KCE	ZR-125-KCE	ZR-144-KCE	ZR-190-KCE
	Rated Running Current	A	12.83	16.00	17.65	26.45
	Rated Power Input	W	6.95	8.95	10.15	13.65
	Protection Device		Internally Thermal Protection & Cartridge High/Low Pressure Switch			
Refrigerant			R407C			
Fan	Model		YWF6D-550S	YWF4D-630S	YWF4D-630S	YWF6D-710S
	Size OD	mm	550	630	630	703
	Fan Quantity		1			
Motor	Power Supply	V/ph/Hz	380-415V/3ph/50Hz			
	Rated Output	W/Pole	600W-4P	800W-4P	800W-4P	900W-6P
	Rated Running Current	A	1.2	1.6	1.6	1.7
	Rated Power Input	W	515	768	768	800
	Speed	RPM	1,370	1,360	1,360	900
Coil	Type		Finned Tube Coils			
	Material		Aluminum Fin w/ Inner Groove Copper Tubes			
	OD	in.	3/8"	3/8"	3/8"	3/8"
	Row		2	2	2	2
	Fin Per Inch	FPI	12	14	14	16
	Face Area	m <sup>2</sup>	0.68	0.91	1.03	1.35
Connection	Type		Brazed Joint			
	Suction Line	inch	1 1/8	1 1/8	1 3/8	1 3/8
	Liquid Line	inch	1/2	5/8	5/8	5/8
Casing	Panel		Galvanised Steel			
	Frame		Aluminium Extrusion Profile with Cast Aluminium Cornerpiece 1520			
	Finishing		Polyester Powder Coating			
Dimension	Unit(Packed)-Height	mm	940			
	Unit(Packed)-Width	mm	830			
	Unit(Packed)-Depth	mm	1305			

- Note : - Nominal Conditions Air Temp Ambient 35°C.  
 - Evaporating Temp 7.2°C. Condensing Temp 54.4°C, Air Inlet Condition 26.7°C 51% RH Are Based on AHRI Standard.  
 - Customized Product are available for special condition, please contact us for further information.  
 - Data Subject to change Without Notice