

# TCL AC

## FRESHIN 3.0 SERIES

PATENTED FRESH AIR TECHNOLOGY



REMOVE ODORS | OPTIMIZE HUMIDITY | ENJOY CLEANER AIR



### FRESHIN TECHNOLOGY

A small blue wing on the top extends when the unit starts purifying the air. Featuring the patented design of liftable fresh air inlet - "FreshIN", the AC will let you know when the fresh air comes into your room and directs it through the top panel.



### QUADRUPURI FILTERS

The fresh air will pass through quadruple purification filters, including the preliminary filter, silver ion antibacterial layer, HEPA high efficiency filter and high-density filter, ensuring efficient air purification.



### VISIBLE AIR QUALITY

Stay informed about the air you breathe with our air conditioner's real-time air quality display. Equipped with an integrated TVOC sensor, it instantly detects various common harmful particles in your space.



### SMART CONTROL COMPATIBLE WITH GOOGLE HOME AND ALEXA

Upgrade your home to a truly smart ecosystem with our smart FreshIN Series AC. Connect it to your smart TV, smartphone, or Alexa soundbar through TCL HOME or Google Assistant for hands-free voice control & convenient remote control.



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# TCL

With a lineup of award-winning televisions, audio products, mobile devices, and appliances, TCL delivers meaningful experiences through thoughtful design and the latest technology, helping you enjoy more of the things you love.



MODEL NUMBER - IDU			H12SFH25XPE
MODEL NUMBER - ODU			H12SFH25XPC
System Type			Heat Pump
SYSTEM PERFORMANCE			
AHRI Certificate			216706238
Cooling at 95°F (35°C)	Rated Capacity	BTU/h	12,000
	Rated Input Power	W	930
	Rated Current	A	6.0
	SEER2 / EER2		24 / 13
Heating at 47°F (8.3°C)	Rated Capacity	BTU/h	12,000
	Rated Input Power	W	910
	Rated Current	A	4.2
	HSPF2 / COP		9.5 / 4.2
Heating at 17°F (-8.3°C)	Rated Capacity	BTU/H	8,000
Heating at 5°F (-15°C)	Max. Capacity	BTU/h	10,100
	COP	W/W	2
ENERGY STAR® Certified			YES
cc ENERGY STAR® Certified			YES
NEEP			YES
Ambient Temperature Range	Cooling	°F (°C)	5 - 122(-15 - 50)
	Heating	°F (°C)	-4 - 86 (-20 - 30)
ELECTRICAL			
Power Supply			208 -230V / 1Ph / 60Hz
Voltage Range (Min - Max)		V	187- 253
Min. Circuit Ampacity - MCA		A	17
Max. Circuit Breaker (MOCP)		A	25
Max. FUSE Size		A	25
Main Power Wire Size		AWG	Per Local Code
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type
REFRIGERANT PIPING			
Refrigerant Type / Charged		oz	R32 / 22.22
Pre-Charge Length Total		ft (m)	25 (7.5)
Additional Charge		oz/ft	0.11
Design Pressure		PSIG	725
Line Set Sized (Liquid - Gas)		in	1/4 - 3/8
Line Set Length (Min - Max)		ft (m)	10 - 50 (3 - 15)
Maximum Pipe Elevation		ft (m)	33 (10)
INDOOR UNIT DATA			
Indoor Motor Type			DC
Thermostat type			Wireless Remote Controller with Wi-Fi® & Voice Control
Air Flow (Hi/Mi/Lo)		CFM	410/380/230
Sound Pressure Level (Min - Max)		dB(A)	30.1 - 43.5
External Dimensions (W x H x D)		in	36 3/16 × 12 5/16 × 8 3/16
		mm	920 × 313 × 208
Package Dimensions (W x H x D)		in	39 × 15 5/16 × 12 5/16
		mm	993 × 389 × 311
Weight (Net / Gross)		lbs	25.4 / 32.2
		kgs	11.5 / 14.6
OUTDOOR UNIT DATA			
Compressor Type			Inverter
Motor Type			DC
Throttle type			EXV
Sound Pressure Level		dB(A)	53.2
External Dimensions (W x H x D)		in	31 7/8 × 12 × 21 5/8
		mm	810 × 305 × 549
Package Dimensions (W x H x D)		in	33 1/2 × 14 1/8 × 23 5/8
		mm	852 × 358 × 600
Weight (Net / Gross)		lbs	54.5 / 62.8
LIMITED WARRANTY	5 Years Parts, 7 Years Compressor Limited Warranty / 10 Years Warranty with Registration within 60 Days of Installation		