

TCL AC

ULTIMATE 25 SERIES

EXTREME LOW TEMPERATURE HEATING

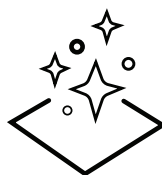


GENTLE BREEZE | SELF CLEANING | EXTREME HEATING



EXTREME LOW TEMPERATURE HEATING

Designed for extreme cold conditions, the Ultimate 25 Series heat pump system will operate efficiently down to -13° F ambient temperature.



DEEP SELF-CLEANING AND STERILIZATION

From dewing, frosting, defrosting, drying and sterilizing, deep clean utilizes water molecules in the air to clean away dust, dirt, and other impurities.



LISTED ENERGY STAR 2025 MOST EFFICIENT HEAT PUMP

The ENERGY STAR Most Efficient criteria recognizes the most efficient products among those that qualify for ENERGY STAR. These exceptional products represent the leading edge in energy efficient products this year.



SMART CONTROL COMPATIBLE WITH GOOGLE HOME AND ALEXA

Upgrade your home to a truly smart ecosystem with our smart Ultimate 25 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.



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			H09SUH25XGE	H12SUH25XGE	H18SUH23XGE	H24SUH23XGE
MODEL NUMBER - ODU			H09SUH25XGC	H12SUH25XGC	H18SUH23XGC	H24SUH23XGC
System Type			Heat Pump			
SYSTEM PERFORMANCE						
AHRI Certificate	EXHEAT		216506200	216506201	216506202	216506203
Cooling at 95°F (35°C)	Rated Capacity	BTU/h	9,000	12,000	18,000	24,000
	Rated Input Power	W	680	970	1,390	1860
	Rated Current	A	3.0	4.4	6.2	8.3
	SEER2 / EER2		25 / 14.5	25 / 14	23.5 / 12.5	23 / 12
Heating at 47°F (8.3°C)	Rated Capacity	BTU/h	9,500	12,000	18,000	24,000
	Rated Input Power	W	730	925	1,360	2,000
	Rated Current	A	3.3	4.2	6.1	9.0
	HSPF2 / COP		10.5 / 3.81	10.5 / 4.0	10 / 3.8	10 / 3.81
Heating at 17°F (-8.3°C)	Rated Capacity	BTU/H	5,800	7,800	11,500	15,500
Heating at 5°F (-15°C)	Max. Capacity	BTU/h	9,500	12,000	17,800	22,500
	COP	W/W	1.8	1.8	1.8	1.8
Heating at -13°F (-25°C)	Max. Capacity	BTU/h	4,450	9,100	12,300	15,000
Heating at -22°F (-30°C)	Max. Capacity	BTU/h	4,300	7,100	9,800	12,000
ENERGY STAR® Certified			YES	YES	YES	YES
cc ENERGY STAR® Certified			YES	YES	YES	YES
NEEP			YES	YES	YES	YES
Quebec			YES	YES	YES	YES
Nova Scotia			YES	YES	YES	YES
Ambient Temperature Range	Cooling	°F (°C)	5 - 131 (-15 - 55)	5 - 131 (-15 - 55)	5 - 131 (-15 - 55)	5 - 131 (-15 - 55)
	Heating	°F (°C)	-22 - 86 (-30 - 30)	-22 - 86 (-30 - 30)	-22 - 86 (-30 - 30)	-22 - 86 (-30 - 30)
ELECTRICAL						
Power Supply			208 -230V / 1Ph / 60Hz			
Voltage Range (Min - Max)		V	187- 253			
Min. Circuit Ampacity - MCA		A	9	12	20	21
Max. Circuit Breaker (MOCP)		A	15	20	30	30
Max. FUSE Size		A	15	20	30	30
Main Power Wire Size		AWG	Per Local Code			
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type			
REFRIGERANT PIPING						
Refrigerant Type / Charged		oz	R454b / 33.51	R454b / 35.27	R454b / 45.86	R454b / 55.73
Pre-Charge Length Total		ft (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional Charge		oz/ft	0.11	0.11	0.11	0.11
Design Pressure		PSIG	725	725	725	725
Line Set Sized (Liquid - Gas)		in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8
Line Set Length (Min - Max)		ft (m)	10 - 50 (3 - 15)	10 - 50 (3 - 15)	10 - 65 (3 - 20)	10 - 65 (3 - 20)
Maximum Pipe Elevation		ft (m)	33 (10)	33 (10)	33 (10)	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	282.5/235/188	470/411/323	676/529/423	676/529/423
Sound Pressure Level (Min - Max)		dB(A)	29 - 42	32 - 46	37 - 48	37 - 49
External Dimensions (W x H x D)		in	32 1/4 x 12 1/16 x 7 11/16	36 1/4 x 12 1/16 x 7 11/16	43 5/16 x 13 1/8 x 8 3/4	43 5/16 x 13 1/8 x 8 3/4
		mm	820 x 306 x195	920 x 306 x 195	1100 x 333 x 222	1100 x 333 x 222
Package Dimensions (W x H x D)		in	35 1/16 x 10 7/16 x 14 15/16	39 x 10 7/16 x 14 15/16	45 7/8 x 11 5/8 x 15 15/16	45 7/8 x 11 5/8 x 15 15/16
		mm	890 x 265 x 380	990 x 265 x 380	1165 x 295 x 405	1165 x 295 x 405
Weight (Net / Gross)		lbs	20.7 / 25.1	23.1 / 30.9	30.9 / 35.3	30.9 / 35.3
		kgs	9.4 / 11.4	10.5 / 14	14 / 16	14 / 16
OUTDOOR UNIT DATA						
Compressor Type			Inverter			
Motor Type			DC			
Throttle type			EXV			
Sound Pressure Level		dB(A)	55	57	58	61
External Dimensions (W x H x D)		in	31 7/8 x 21 5/8 x 12	34 x 23 11/16 x 13 3/4	36 1/2 x 27 1/2 x15	38 1/2 x 31 5/8 x 16 9/16
		mm	810 x 549 x 305	863 x 602 x 349	927 x 699 x 380	978 x 803 x 421
Package Dimensions (W x H x D)		in	33 9/16 x 23 5/8 x 14 1/8	35 7/16 x 25 3/8 x 15 15/16	37 4/5 x 28 4/5 x 17	40 1/4 x 32 7/8 x 18 7/8
		mm	852 x 600 x 358	900 x 645 x 405	960 x 732 x 430	1022 x 835 x 480
Weight (Net / Gross)		lbs	54 / 63.9	69.4 / 78.3	93.7 / 106.9	108 / 122.4
		kgs	24.5 / 29	31.5 / 37	42.5 / 48.5	49 / 55
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor Limited Warranty / 10 Years Warranty with Registration within 60 Days of Installation			

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