



INSPIRE GREATNESS

SUBMITTAL DATA SHEET

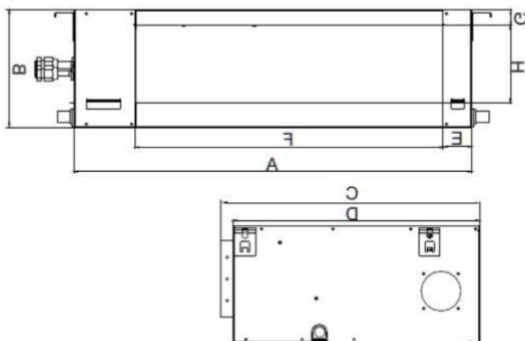
Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

Location _____
 Engineer _____
 Reference _____ Approval _____ Construction _____
 Schedule # _____

AHRI #	215570373		
Set Code			
Indoor Code			
Outdoor Code			
Set Model #	H12DTHU1XA		
Indoor Model #	H12DTHU1XAE		
Outdoor Model #	H12SBH23XPC		
Certification	ETL	AHRI	
	Energy Star	NEEP	



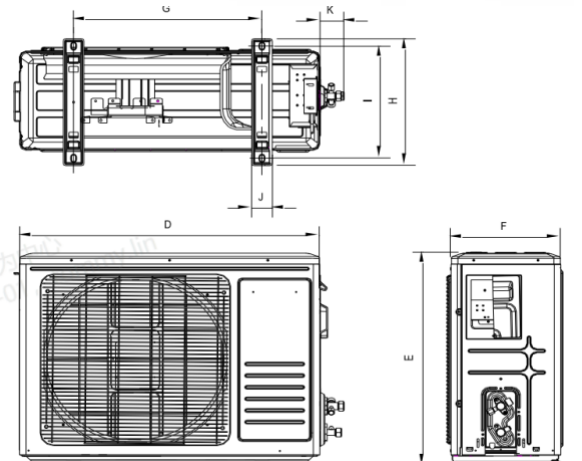
Indoor Unit Dimension



Model	Indoor Unit (inch / mm)			
H12DTHU1XAE	A	B	C	D
	27.6 / 700	7.9 / 200	19.3 / 490	17.7 / 450
	E	F	G	H
	1.8 / 45	20.1 / 510	0.7 / 17	5.5 / 140

Outdoor Unit Dimension

Model	Outdoor Unit (inch / mm)			
H12SBH22XPC	D	E	F	G
	29.8 / 758	21.6 / 549	9.9 / 252	17.0 / 433.8
	H	I	J	K
	12.0 / 305	10.9 / 278	1.9 / 48	2.0 / 52



TCL NORTH AMERICA

189 Technology Dr, Irvine, CA 92618

www.tcl.com



TCL Light Commerical Series Slim Duct Heat Pump System – R454b

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SYSTEM PERFORMANCE DATA

Power supply		
Power Supply		208/230V / 1Ph / 60Hz
Voltage Range (Min - Max)	V	165 - 265
Electrical		
Min. Circuit Ampacity - MCA	A	10
Max. FUSE Size	A	15
Connection Wiring		16AWG*4
Cooling at 95°F (35°C)		
Capacity	BTU/h	11,000
(Min - Max)		(2,000 ~ 12,300)
Rated Input Power	W	940
Rated Current	A	6.2
SEER2 / EER2		19 / 11.7
Heating at 47°F (8.3°C)		
Capacity	BTU/h	12,000
(Min - Max)		(3,100 ~ 12,300)
Rated Input Power	W	1030
Rated Current	A	5.2
HSPF2 -4 / 5 / COP		8.1 / 3.5
Heating at 17°F (-8.3°C)		
Capacity	BTU/h	7,500
Heating at 5°F (-15°C)		
Capacity	BTU/h	8,900
COP		1.8

REFRIGERANT PIPING DATA

Refrigerant Type / Charged	oz	R454b/ 35.27
Pre-Charge Length Total	ft (m)	25 (7.5)
Additional Charge	oz/ft	0.11
Design Pressure	PSIG	600
Line Set Sized (Liquid - Gas)	in	1/4 -3/8
Line Set Length (Min - Max)	ft (m)	16 ~ 50 (5 ~ 15)
Max. Pipe Elevation	ft (m)	33 (10)
Connection method		Flared
Throttle Type		Capillary

TEMPERATURE RANGE

Indoor Cooling Range	°F (°C)	>=61 (16)
Indoor Heating Range	°F (°C)	<=88 (31)
Outdoor Cooling Range	°F (°C)	5 ~ 133 (-15 ~ 55)
Outdoor Heating Range	°F (°C)	-13 ~ 86 (-25 ~ 30)

General Features:

- Easy Installation
- Easy Maintenance
- Turbo Cooling & Heating
- Extreme Cooling & Heating
- AI Algorithm Inverter Tech
- ECO Mode
- Self-diagnosis
- Sleep Mode
- Healthy Filter
- Deep Self Cleaning
- Smart Wi-Fi & Voice Control
- Filter Reminder
- Auto Restart
- * Subject to local law

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INDOOR UNIT DATA

Fan Motor Type		DC Motor with crossflow Fan
Model		RD(AL)N50HU
Brand		LT Motor
Input	W	50
Speed	r/min	1200
Performance		
Air Flow (Min - Max)	CFM	180 ~ 360
Sound Pressure (Min - Max)	dB(A)	32 ~ 44
Unit Data		
External Dimensions	in	27.6 × 7.9 × 19.3
(W × H × D)	mm	700 × 200 × 490
Package Dimensions	in	35.4 × 9.8 × 21.9
(W × H × D)	mm	900 × 250 × 555
Weight (Net / Gross)	Lbs.(kgs)	33.1 / 40.8 (15 / 18.5)
Thermostat type		Wireless Remote Controller with Wi-Fi®

OUTDOOR UNIT DATA

Compressor Type		Rotary, Inverter
Brand & Model		GMCC/ KSK103D33UEZC3
Input		830
RLA		5.65
Motor Type		DC
Brand & Model		Broad-Ocean / ZW465A500049L
Input	W	33
Speed	r/min	1,000
Performance		
Air Flow (Max)	CFM	1170
Sound Pressure Level	dB(A)	53
Unit Data		
External Dimensions	in	31.8 × 21.6 × 12.0
(W × H × D)	mm	810 × 549 × 305
Package Dimensions	in	33.5 × 23.6 × 14.1
(W × H × D)	mm	852 × 600 × 358
Weight (Net / Gross)	Lbs.(kgs)	58.4 / 69.4 (26.5 / 31.5)
Limited Warranty		5 Years Parts, 7 Years Compressor / 10 Years w/ Reg within 60 days *

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Information Tables

Brand	TCL
Series	BREEZEIN
Ducting Configuration	Singlezone Non-Ducted, Wall Placement
AHRI Certificate #*	215570373
Outdoor Unit Model #*	H12SBH23XPC
Indoor Model #*	H12DTHU1XAE
Indoor Unit Type*	Mini-Splits
Furnace Model* #	
EER*	
SEER*	
HSPF (Region IV)*	
EER2*	11.7
SEER2*	19
HSPF2 (Region IV)*	8.1
HSPF2 (Region V)	6.98
ENERGY STAR V6.1	
ENERGY STAR V6.1 Cold Climate	
ENERGY STAR V5.0	
Federal Tax Credit Eligibility North	
Federal Tax Credit Eligibility South	
Capacity Maintenance (Rated 17°F/Rated 47°F)	62%
Capacity Maintenance (Rated 5°F/Rated 47°F)	74%
Capacity Maintenance (Max 5°F/Rated 47°F)	74%
Variable Capacity	✓
Integration	
Connectivity	
Operational Diagnostics	
Refrigerant	R-454B
Sold In*	USA, Canada

Performance Specs

Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated*	Max
Cooling	95°F	80°F	Btu/h*	2,000	11,000	12,300
			kW	0.2	0.94	1.33
			COP	2.93	3.43	2.71
Cooling	82°F	80°F	Btu/h*	3,000	-	12,900
			kW	0.12	-	1.2
			COP	7.33	-	3.15
Heating	47°F	70°F	Btu/h*	3,100	12,000	12,300
			kW	0.21	1.03	1.5
			COP	4.33	3.41	2.4
Heating	17°F	70°F	Btu/h*	4,100	7,500	9,700
			kW	0.72	0.83	1.29
			COP	1.67	2.65	2.2
Heating	5°F	70°F	Btu/h*	4,300	8,900	8,900
			kW	0.76	1.45	1.45
			COP	1.66	1.8	1.8
Heating	-13°F	70°F	Btu/h*	3,600	-	6,680
			kW	0.7	-	1.7
			COP	1.51	-	1.15

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AHRI Cert #*: **215570373**

Outdoor Unit Model #*: **H12SBH23XPC**

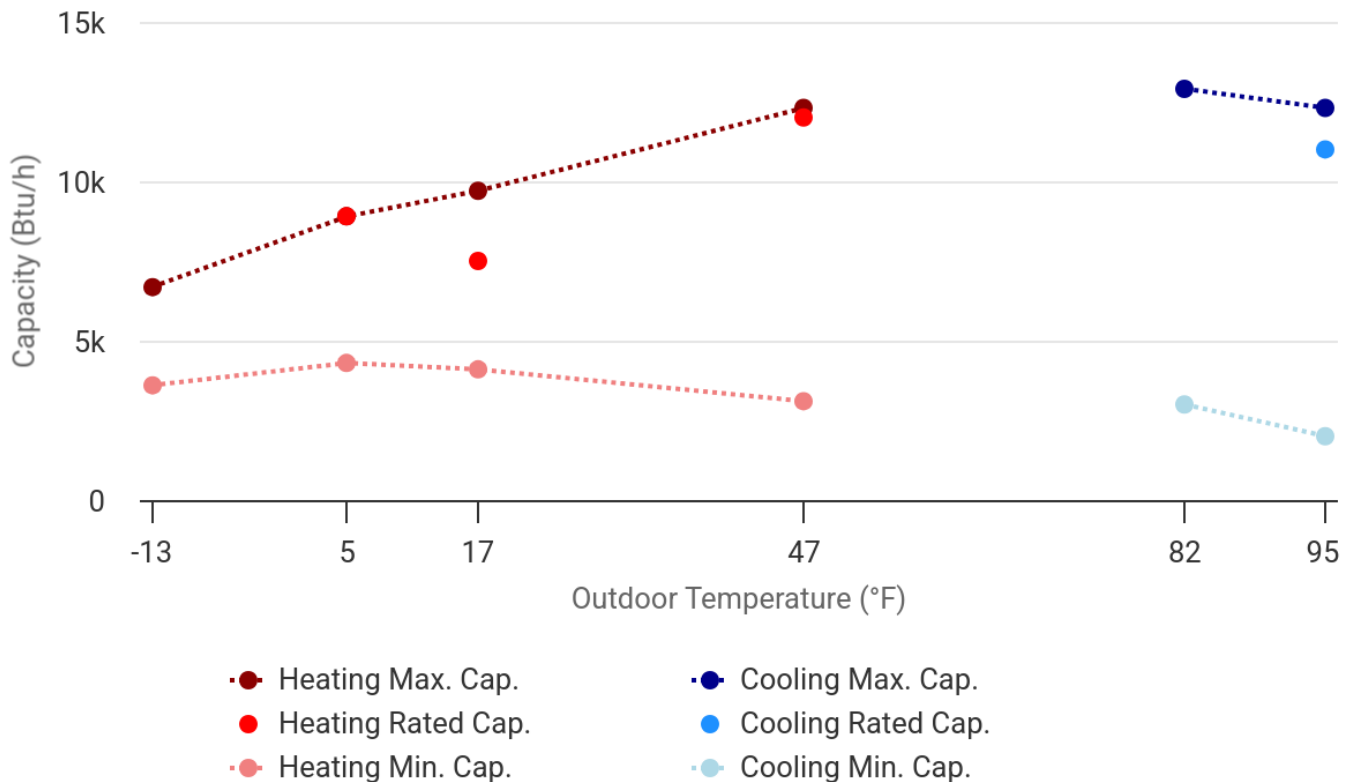
Indoor Model #*: **H12DTHU1XAE**

🔥 Maximum Heating Capacity (Btu/h) @5°F: **8,900**

🔥 Rated Heating Capacity (Btu/h) @47°F: **12,000**

❄️ Rated Cooling Capacity (Btu/h) @95°F: **11,000**

Heating/Cooling Capacity Graph



Highcharts.com