



TCL BreezeIN Series Hi Wall Mounted Ductless Mini Split System

INSPIRE GREATNESS

SUBMITTAL DATA SHEET

Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

Location _____
 Engineer _____
 Reference_ ____ Approval_ ____ Construction_ ____
 Schedule # _____

AHRI #	207688888		
Set Code			
Indoor Code			
Outdoor Code			
Set Model #	TSC-12HA1/I3TI22		
Indoor Model #	TSC-12HA1/I3TI22-I		
Outdoor Model #	TSC-12HA1/I3TI22		
Certification	ETL	AHRI	
	Energy Star	NEEP	



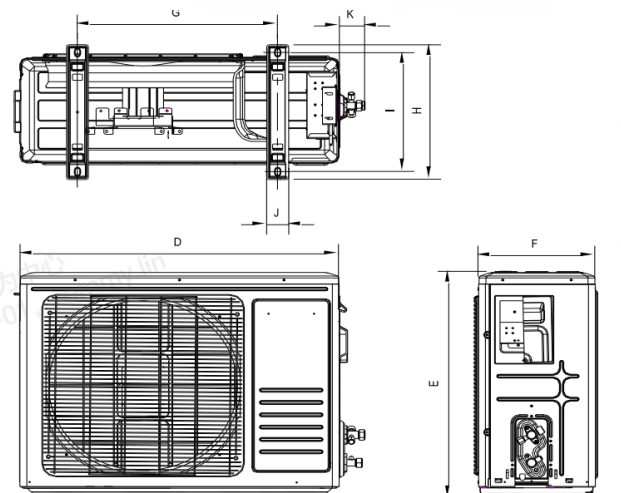
Indoor Unit Dimension



Model	indoor unit (inch/mm)		
	A	B	C
TSC-09HA1/I3TI22-I	32.3/820	12.1/306	7.7/195
TSC-12HA1/I3TI22-I	36.2/920	12.1/306	7.7/195
TSC-09HA2/I3TI23-I	32.3/820	12.1/306	7.7/195
TSC-12HA2/I3TI23-I	36.2/920	12.1/306	7.7/195
TSC-18HA2/I3TI21-I	43.3/1100	13.1/333	8.7/222
TSC-24HA2/I3TI20-I	43.3/1100	13.1/333	8.7/222

Outdoor Unit Dimension

Model	Outdoor unit (inch/mm)						
	D	E	F	G	H	I	J
TSC-09HA1/I3TI22	28.6/726	21.7/550	9.9/252	17.1/434	12/305	11/278	1.9/48
TSC-12HA1/I3TI22	28.6/726	21.7/550	9.9/252	17.1/434	12/305	11/278	1.9/48
TSC-09HA2/I3TI23	28.6/726	21.7/550	9.9/252	17.1/434	12/305	11/278	1.9/48
TSC-12HA2/I3TI23	28.6/726	21.7/550	9.9/252	17.1/434	12/305	11/278	1.9/48
TSC-18HA2/I3TI21	33.3/845	27.5/699	13.2/336	23.1/586	15/380	13.7/348	2.3/59
TSC-24HA2/I3TI20	35.8/910	31.7/805	13.9/353	23.9/607	15.6/397	15.4/390	2.5/63



TCL NORTH AMERICA

189 Technology Dr, Irvine, CA 92618

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SYSTEM PERFORMANCE DATA		
Power supply		
Power Supply		115V / 1Ph / 60Hz
Voltage Range (Min - Max)	V	97 - 133
Electrical		
Min. Circuit Ampacity - MCA	A	17
Max. FUSE Size	A	25
Connection Wiring		16AWG*4
Cooling at 95°F (35°C)		
Capacity (Min - Max)	BTU/h	12,000 (2,690~12,900)
Rated Input Power	W	920
Rated Current	A	8.2
SEER2 / EER2		22 / 12.5
Heating at 47°F (8.3°C)		
Capacity (Min - Max)	BTU/h	12,000 (3,230~15,600)
Rated Input Power	W	910
Rated Current	A	8.2
HSPF2 -4 / 5 / COP		9 / 7.8 / 3.86
Heating at 17°F (-8.3°C)		
Capacity	BTU/h	7,100
Heating at 5°F (-15°C)		
Capacity	BTU/h	8,700
COP		2.24

REFRIGERANT PIPING DATA		
Refrigerant Type / Charged	oz	R410a / 42.3
Pre-Charge Length Total	ft (m)	25 (7.5)
Additional Charge	oz/ft	0.22
Design Pressure	PSIG	550 / 340
Line Set Sized (Liquid - Gas)	in	1/4 - 3/8
Line Set Length (Min - Max)	ft (m)	10~82 (3~25)
Max. Pipe Elevation	ft (m)	33 (10)
Connection method		Flared
Throttle Type		Capillary

TEMPERATURE RANGE		
Indoor Cooling Range	°F (°C)	>=62 (17)
Indoor Heating Range	°F (°C)	<=86 (30)
Outdoor Cooling Range	°F (°C)	5~131 (-15~55)
Outdoor Heating Range	°F (°C)	-13~86 (-25~30)

INDOOR UNIT DATA		
Fan Motor Type		
Model		DC Motor with crossflow Fan ZKFP-20-8-148
Brand		Welling
Input	W	-
RLA	A	-
LRA	A	-
Speed (Hi/Mi/Lo)	r/min	-
Performance		
Air Flow (Min - Max)	CFM	294~471
Sound Pressure (Min - Max)	dB(A)	27~45
Unit Data		
External Dimensions	in	36.2×12.1×7.7
(W × H × D)	mm	920×306×195
Package Dimensions	in	39×15×10.5
(W × H × D)	mm	990×380×265
Weight (Net / Gross)	lbs.(kgs)	25.4/29.8 (11.5/13.5)
Thermostat type		
		Wireless Remote Controller with Wi-Fi®

OUTDOOR UNIT DATA		
Compressor Type		
Brand & Model		Rotary, Inverter GMCC / KSK103D33UEZC3
Input		-
RLA		-
Motor Type		
Brand & Model		DC Welling / ZKFN-33-10-1
Input	W	-
RLA	A	-
Speed	r/min	-
Performance		
Air Flow (Max)	CFM	1235
Sound Pressure Level	dB(A)	52
Unit Data		
External Dimensions	in	28.7×21.7×12
(W × H × D)	mm	728×550×305
Package Dimensions	in	33.6×24×14.1
(W × H × D)	mm	852×610×358
Weight (Net / Gross)	lbs.(kgs)	64.8 / 69.9 (29.4 / 31.7)
Limited Warranty		
		5 Years Parts, 7 Years Compressor

General Features:

- Easy Installation
- Easy Maintenance
- CleanXpress
- High Efficiency
- Wireless Remote with LCD Display
- Turbo Cooling & Heating
- Extreme Cooling & Heating
- AI Algorithm Inverter Tech
- I FEEL Function
- 3D & Smart Air Flow
- ECO Mode
- Self-diagnosis
- Sleep Mode
- Healthy Filter
- Deep Self Cleaning
- Smart Wi-Fi & Voice Control
- Filter Reminder
- Auto Restart

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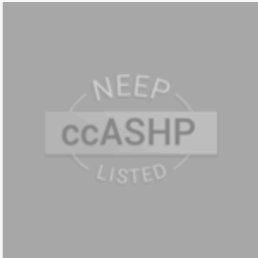


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NEEP DATA 1:



TCL

Central Air Conditioning Heat Pump (HP)

Singlezone Non-Ducted, Wall Placement

AHRI Cert #: **207688888**

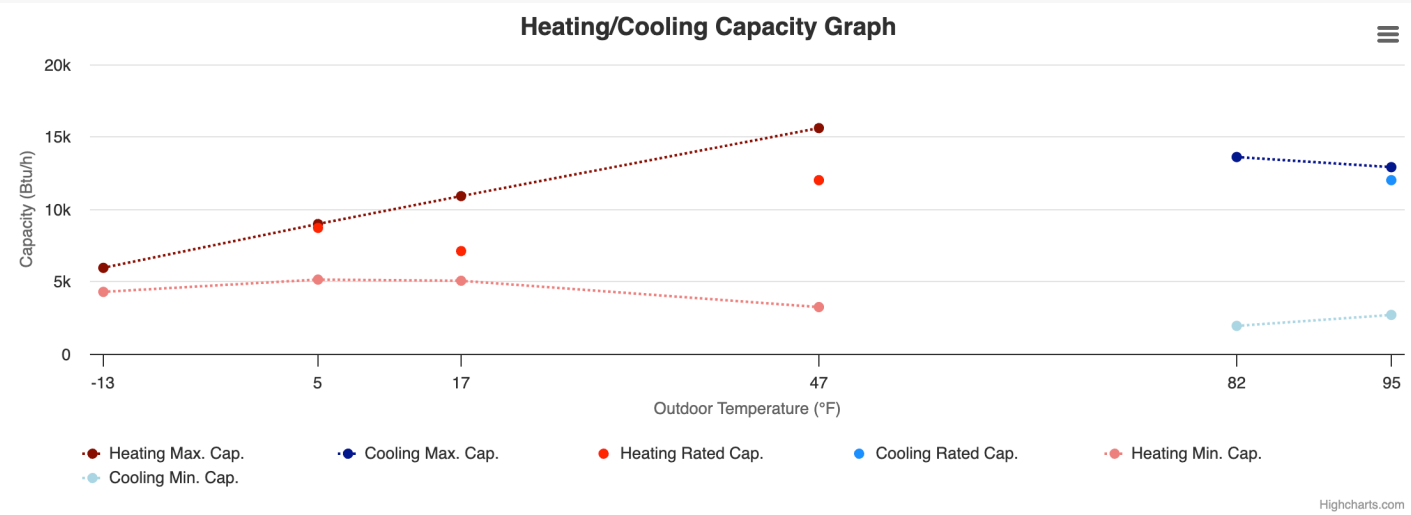
Outdoor Unit Model #: **TSC-12HA1/I3TI22**

Indoor Model #: **TSC-12HA1/I3TI22-I**

🔥 Maximum Heating Capacity (Btu/h) @5°F: **8,970**

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

❄️ Rated Cooling Capacity (Btu/h) @95°F: **12,000**





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NEEP DATA 2:

Information Tables		Performance Specs						
Brand	TCL	Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated*	Max
Series								
Ducting Configuration	Singlezone Non-Ducted, Wall Placement							
AHRI Certificate #*	207688888	Cooling	95°F	80°F	Btu/h*	2,690	12,000	12,900
Outdoor Unit Model #*	TSC-12HA1/I3TI22				kW	0.2	0.91	1.3
Indoor Model #*	TSC-12HA1/I3TI22-I				COP	3.94	3.86	2.91
Indoor Unit Type*	Mini-Splits	Cooling	82°F	80°F	Btu/h*	1,930	-	13,600
Furnace Model* #					kW	0.11	-	1.13
EER*	12.5				COP	5.14	-	3.53
SEER*	22	Heating	47°F	70°F	Btu/h*	3,230	12,000	15,600
HSPF (Region IV)*	10				kW	0.23	0.91	1.47
EER2*	12.5				COP	4.12	3.86	3.11
SEER2*	22	Heating	17°F	70°F	Btu/h*	5,050	7,100	10,900
HSPF2 (Region IV)*	9				kW	0.47	0.69	1.28
HSPF2 (Region V)	7.8				COP	3.15	3.02	2.5
ENERGY STAR V6.1		Heating	5°F	70°F	Btu/h*	5,130	8,700	8,970
ENERGY STAR V6.1 Cold Climate					kW	0.6	1.14	1.2
ENERGY STAR V5.0					COP	2.51	2.24	2.19
Federal Tax Credit Eligibility North		Heating	-13°F	70°F	Btu/h*	4,280	-	5,940
Federal Tax Credit Eligibility South					kW	0.81	-	1.07
Capacity Maintenance (Rated 17°F/Rated 47°F)	59%				COP	1.55	-	1.63
Capacity Maintenance (Rated 5°F/Rated 47°F)	72%							
Capacity Maintenance (Max 5°F/Rated 47°F)	74%							
Variable Capacity	✔							
Integration								
Connectivity								
Operational Diagnostics								
Refrigerant	R-410A							
Sold In*	USA, Canada							

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