



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 #	207688891		
Set Code			
Indoor Code			
Outdoor Code			
Set Model #	TSC-18HA2/I3TI21		
Indoor Model #	TSC-18HA2/I3TI21-I		
Outdoor Model #	TSC-18HA2/I3TI21		
Certification	ETL	AHRI	
	Energy Star	NEEP	



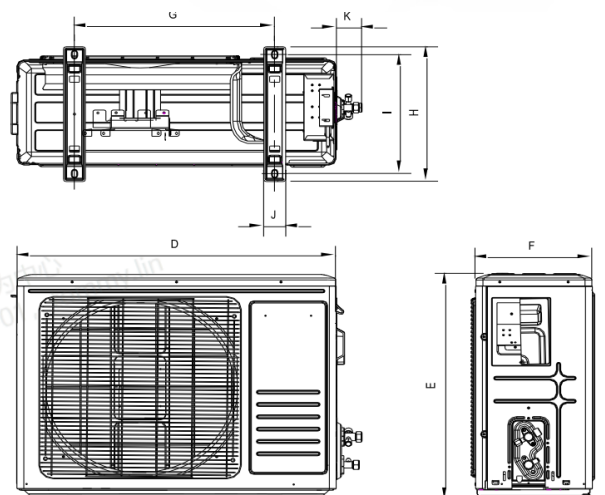
Indoor Unit Dimension



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		208/230V / 1Ph / 60Hz
Voltage Range (Min - Max)	V	165 - 265
Electrical		
Min. Circuit Ampacity - MCA	A	13
Max. FUSE Size	A	20
Connection Wiring		16AWG*4
Cooling at 95°F (35°C)		
Capacity (Min - Max)	BTU/h	18,000 (4,860~21,430)
Rated Input Power	W	1,350
Rated Current	A	6.1
SEER2 / EER2		21.5 / 13
Heating at 47°F (8.3°C)		
Capacity (Min - Max)	BTU/h	18,000 (4,650~22,200)
Rated Input Power	W	1,310
Rated Current	A	5.9
HSPF2 -4 / 5 / COP		9 / 7.8 / 3.91
Heating at 17°F (-8.3°C)		
Capacity	BTU/h	10,000
Heating at 5°F (-15°C)		
Capacity	BTU/h	11,900
COP		2.15

REFRIGERANT PIPING DATA		
Refrigerant Type / Charged	oz	R410a / 50.44
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 - 1/2
Line Set Length (Min - Max)	ft (m)	10~98 (3~30)
Max. Pipe Elevation	ft (m)	49 (15)
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 ZWK465B00501
Brand		Broad-Ocean
Input	W	-
RLA	A	-
LRA	A	-
Speed (Hi/Mi/Lo)	r/min	-
Performance		
Air Flow (Min - Max)	CFM	529~735
Sound Pressure (Min - Max)	dB(A)	31~48
Unit Data		
External Dimensions	in	43.3×13.1×8.7
(W × H × D)	mm	1100×333×222
Package Dimensions	in	45.9×16×11.7
(W × H × D)	mm	1165×405×295
Weight (Net / Gross)	lbs.(kgs)	33.1/37.5 (15/17)
Thermostat type		
		Wireless Remote Controller with Wi-Fi®

OUTDOOR UNIT DATA		
Compressor Type		
Brand & Model		Rotary, Inverter GMCC / KSN140D33UFZ3
Input		-
RLA		-
Motor Type		
Brand & Model		DC Broad-Ocean / ZW511B500037
Input	W	-
RLA	A	-
Speed	r/min	-
Performance		
Air Flow (Max)	CFM	1941
Sound Pressure Level	dB(A)	52
Unit Data		
External Dimensions	in	23.3×27.5×15
(W × H × D)	mm	845×699×380
Package Dimensions	in	37.8×29.5×16.9
(W × H × D)	mm	960×750×430
Weight (Net / Gross)	lbs.(kgs)	89.3 / 98.1 (40.5 / 44.5)
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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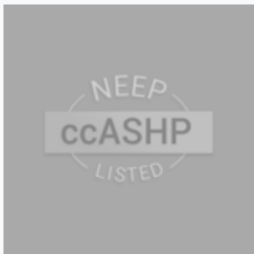


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NEEP DATA 1:



TCL

Central Air Conditioning Heat Pump (HP)

Singlezone Non-Ducted, Wall Placement

AHRI Cert #: 207688891

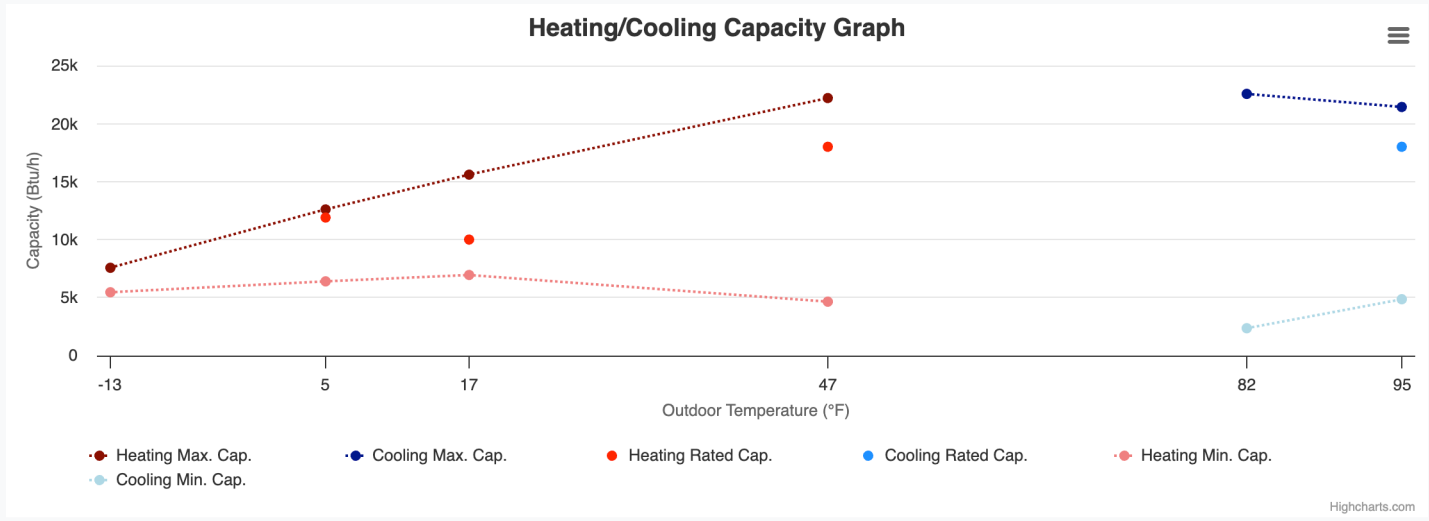
Outdoor Unit Model #: TSC-18HA2/I3TI21

Indoor Model #: TSC-18HA2/I3TI21-I

🔥 Maximum Heating Capacity (Btu/h) @5°F: 12,600

🔥 Rated Heating Capacity (Btu/h) @47°F: 18,000

❄️ Rated Cooling Capacity (Btu/h) @95°F: 18,000





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NEEP DATA 2:

Information Tables

Brand	TCL
Series	
Ducting Configuration	Singlezone Non-Ducted, Wall Placement
AHRI Certificate #*	207688891
Outdoor Unit Model #*	TSC-18HA2/I3TI21
Indoor Model #*	TSC-18HA2/I3TI21-I
Indoor Unit Type*	Mini-Splits
Furnace Model* #	
EER*	13
SEER*	21.5
HSPF (Region IV)*	10
EER2*	13
SEER2*	22
HSPF2 (Region IV)*	9
HSPF2 (Region V)	7.8
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)	55%
Capacity Maintenance (Rated 5°F/Rated 47°F)	66%
Capacity Maintenance (Max 5°F/Rated 47°F)	70%
Variable Capacity	✓
Integration	
Connectivity	
Operational Diagnostics	
Refrigerant	R-410A
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*	4,860	18,000	21,430
			kW	0.39	1.35	2.06
			COP	3.65	3.91	3.05
Cooling	82°F	80°F	Btu/h*	2,360	-	22,560
			kW	0.14	-	1.79
			COP	4.94	-	3.69
Heating	47°F	70°F	Btu/h*	4,650	18,000	22,200
			kW	0.34	1.31	1.86
			COP	4.01	4.03	3.5
Heating	17°F	70°F	Btu/h*	6,950	10,000	15,600
			kW	0.73	1.03	1.73
			COP	2.79	2.85	2.64
Heating	5°F	70°F	Btu/h*	6,400	11,900	12,600
			kW	0.8	1.62	1.67
			COP	2.34	2.15	2.21
Heating	-13°F	70°F	Btu/h*	5,460	-	7,570
			kW	1.13	-	1.49
			COP	1.42	-	1.49

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