



TCL BreezeIN Series Hi Wall Mounted Ductless Mini Split System

INSPIRE GREATNESS

SUBMITTAL DATA SHEET

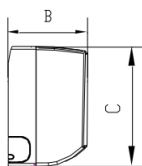
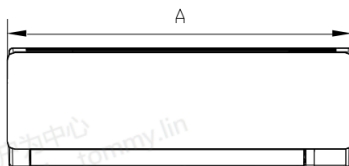
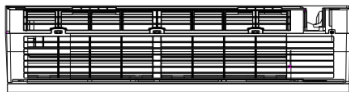
Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

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

AHRI #	207688892		
Set Code			
Indoor Code			
Outdoor Code			
Set Model #	TSC-24HA2/I3TI20		
Indoor Model #	TSC-24HA2/I3TI20-I		
Outdoor Model #	TSC-24HA2/I3TI20		
Certification	ETL	AHRI	
	Energy Star	NEEP	



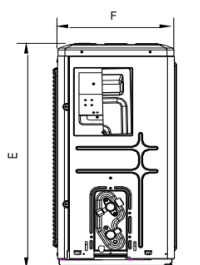
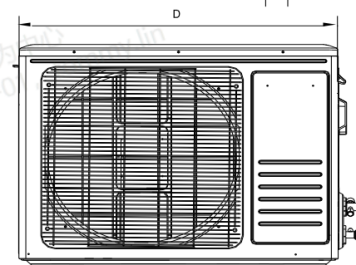
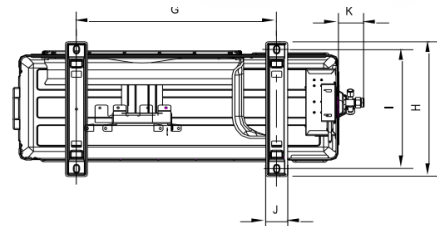
Indoor Unit Dimension



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	19
Max. FUSE Size	A	30
Connection Wiring		16AWG*4
Cooling at 95°F (35°C)		
Capacity (Min - Max)	BTU/h	23,000 (6,550~26,890)
Rated Input Power	W	1,920
Rated Current	A	8.6
SEER2 / EER2		20 / 12.5
Heating at 47°F (8.3°C)		
Capacity (Min - Max)	BTU/h	24,000 (8,900~28,400)
Rated Input Power	W	2,050
Rated Current	A	9.2
HSPF2 -4 / 5 / COP		9 / 7.8 / 3.43
Heating at 17°F (-8.3°C)		
Capacity	BTU/h	13,900
Heating at 5°F (-15°C)		
Capacity	BTU/h	16,000
COP		1.93

REFRIGERANT PIPING DATA		
Refrigerant Type / Charged	oz	R410a / 65.26
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 - 5/8
Line Set Length (Min - Max)	ft (m)	10~131 (3~40)
Max. Pipe Elevation	ft (m)	82 (25)
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		
DC Motor with crossflow Fan		
Model		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)	35~51
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		
Rotary, Inverter		
Brand & Model		SANYO / C-6RZ210H1EBF
Input		-
RLA		-
Motor Type		
DC		
Brand & Model		Broad-Ocean / ZW511B500037
Input	W	-
RLA	A	-
Speed	r/min	-
Performance		
Air Flow (Max)	CFM	2647
Sound Pressure Level	dB(A)	58
Unit Data		
External Dimensions	in	35.8×31.5×16.5
(W × H × D)	mm	910×800×420
Package Dimensions	in	40.5×33.5×19.1
(W × H × D)	mm	1028×850×485
Weight (Net / Gross)	lbs.(kgs)	109.1 / 125.7 (49.5 / 57)
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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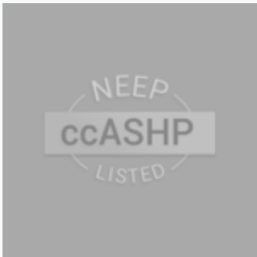


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NEEP DATA 1:



TCL

Central Air Conditioning Heat Pump (HP)

Singlezone Non-Ducted, Wall Placement

AHRI Cert #: **207688892**

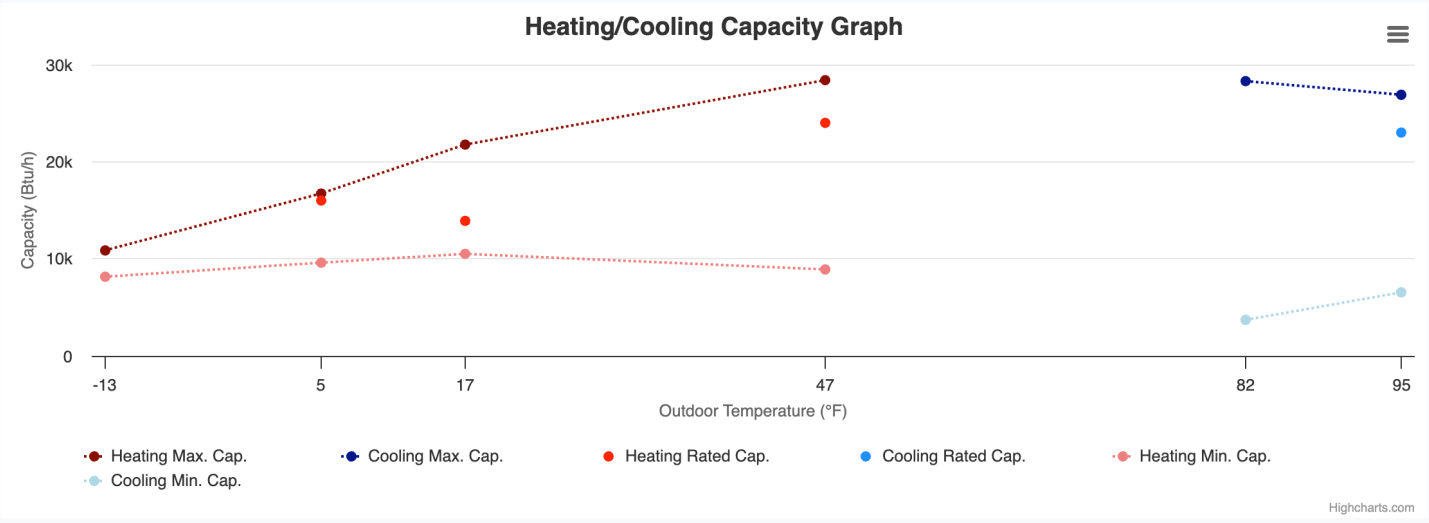
Outdoor Unit Model #: **TSC-24HA2/I3TI20**

Indoor Model #: **TSC-24HA2/I3TI20-I**

🔥 Maximum Heating Capacity (Btu/h) @5°F: **16,720**

🔥 Rated Heating Capacity (Btu/h) @47°F: **24,000**

❄️ Rated Cooling Capacity (Btu/h) @95°F: **23,000**





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NEEP DATA 2:

Information Tables

Brand	TCL
Series	
Ducting Configuration	Singlezone Non-Ducted, Wall Placement
AHRI Certificate #*	207688892
Outdoor Unit Model #*	TSC-24HA2/I3TI20
Indoor Model #*	TSC-24HA2/I3TI20-I
Indoor Unit Type*	Mini-Splits
Furnace Model* #	
EER*	12.5
SEER*	20
HSPF (Region IV)*	10
EER2*	12.5
SEER2*	20
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)	57%
Capacity Maintenance (Rated 5°F/Rated 47°F)	66%
Capacity Maintenance (Max 5°F/Rated 47°F)	69%
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*	6,550	23,000	26,890
			kW	0.52	1.91	2.88
			COP	3.69	3.53	2.74
Cooling	82°F	80°F	Btu/h*	3,710	-	28,300
			kW	0.25	-	2.5
			COP	4.35	-	3.32
Heating	47°F	70°F	Btu/h*	8,900	24,000	28,400
			kW	0.73	2.05	3.05
			COP	3.57	3.43	2.73
Heating	17°F	70°F	Btu/h*	10,510	13,900	21,760
			kW	1.18	1.48	2.89
			COP	2.61	2.75	2.21
Heating	5°F	70°F	Btu/h*	9,600	16,000	16,720
			kW	1.26	2.43	2.5
			COP	2.23	1.93	1.96
Heating	-13°F	70°F	Btu/h*	8,150	-	10,860
			kW	1.81	-	2.23
			COP	1.32	-	1.43

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