



TCL BREEZEIN Series Hi Wall Mounted Ductless Mini Split System – R454B

SUBMITTAL DATA SHEET

INSPIRE GREATNESS

Job Name _____

Buyer _____

Submitted to _____

Unit Designation _____

Location _____

Engineer _____

Reference _____ Approval _____ Construction _____

Schedule # _____

AHRI # _____

Set Code

Indoor Code

Outdoor Code

Set Model # H24FCHU1XAE

Indoor Model # H24FCHU1XAE

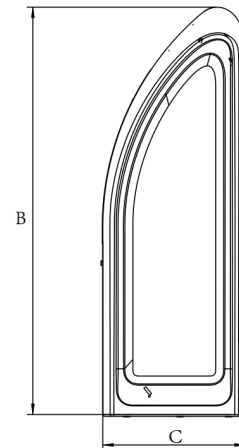
Outdoor Model # H24SBH20XPC

Certification ETL AHRI
Energy Star



(Actual equipment appearance may vary)

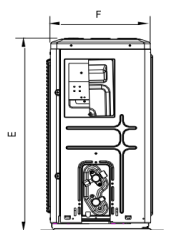
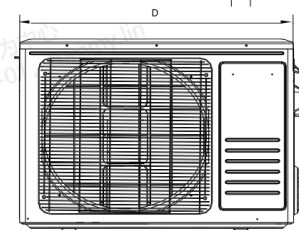
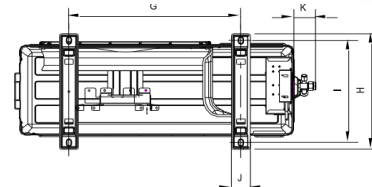
Indoor Unit Dimension



Model	indoor Unit (inch / mm)		
	A	B	C
H24FCHU1XAE	41.5/1055	26.6/675	9.3/235

Outdoor Unit Dimension

Model	Outdoor Unit (inch / mm)			
	D	E	F	G
H24SBH20XPC	36.1/916	31.6/803	13.9/353	23.9/607
	H	I	J	K
	16.6/421	15.4/390	2.5/63	2.4/62



TCL NORTH AMERICA

189 Technology Dr, Irvine, CA 92618

www.tcl.com



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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	15
Max. FUSE Size	A	20
Connection Wiring		16AWG*4

Cooling at 95°F (35°C)

Capacity	BTU/h	22,200
(Min - Max)		(6,010~24,610)
Rated Input Power	W	2,200
Rated Current	A	11.4
SEER2 / EER2		20 / 11.7

Heating at 47°F (8.3°C)

Capacity	BTU/h	24,500
(Min - Max)		(4,750~28,640)
Rated Input Power	W	2,320
Rated Current	A	11.9
HSPF2 -4 / 5 / COP		9.5/8.5/ 3.45

Heating at 17°F (-8.3°C)

Capacity	BTU/h	14,400
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Heating at 5°F (-15°C)

Capacity	BTU/h	19,200
COP		1.85

REFRIGERANT PIPING DATA

Refrigerant Type / Charged	oz	R454b/ 55
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 -5/8
Line Set Length (Min - Max)	ft (m)	16 ~ 65 (5 ~ 20)
Max. Pipe Elevation	ft (m)	49 (15)
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
- High Efficiency
- Wireless Remote with LCD Display
- Invisible LED Display
- Turbo Cooling & Heating
- Extreme Cooling & Heating
- AI Algorithm Inverter Tech

INDOOR UNIT DATA

Fan Motor Type

DC Motor with crossflow Fan

Model		RD (AL)N50HU
Brand		LT MOTOR
Input	W	50
Speed	r/min	880

Performance

Air Flow (Min - Max)	CFM	412 ~ 588
Sound Pressure (Min - Max)	dB(A)	44 ~ 52

Unit Data

External Dimensions	in	41.5 × 26.6 × 9.3
(W x H x D)	mm	1055 × 675 × 235
Package Dimensions	in	44.7 × 30.1 × 11
(W x H x D)	mm	1135 × 765 × 280
Weight (Net / Gross)	Lbs.(kgs)	55.0 / 70.4 (25 / 32)

Thermostat type

Wireless Remote Controller with Wi-Fi®

OUTDOOR UNIT DATA

Compressor Type

Rotary, Inverter

Brand & Model		SANYO/C-6RZ210H1EBF
Input		1,400
RLA		5.61

Motor Type

DC

Brand & Model		Broad-Ocean / ZW511B500037
85	W	85
850	r/min	850

Performance

Air Flow (Max)	CFM	2,100
Sound Pressure Level	dB(A)	61

Unit Data

External Dimensions	in	38.5 × 31.6 × 16.6
(W x H x D)	mm	978 × 803 × 421
Package Dimensions	in	40.2 × 32.9 × 18.9
(W x H x D)	mm	1022×835 × 480
Weight (Net / Gross)	Lbs.(kgs)	104.7 / 125.7 (47.5 / 57)

5 Years Parts, 7 Years Compressor, and

Limited Warranty

extend to 10/10 upon reg. within 60 days

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- 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