



TCL Multi Zone Ductless Mini Split System- R454b

INSPIRE GREATNESS

SUBMITTAL DATA SHEET

Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

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

AHRI #	215387266 (Non-Ducted)		
	215387270 (Ducted)		
Outdoor Model #	H42FMH20XPC		
Indoor Type	Non-Ducted		
	Ducted		
	Mix		
Certification	ETL	AHRI	
	Energy Star	NEEP	



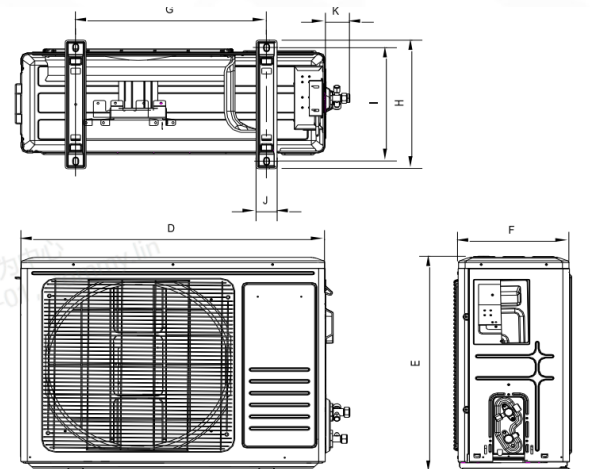





(Actual equipment appearance may vary)

Outdoor Unit Dimension

Model	Outdoor Unit (inch / mm)			
H42FMH22XPC	D	E	F	G
	39.7/1009	33.6/853	18.4/468	25.9 /660
	H	I	J	K
	19.4 /494	18.2 /462	3.1 /80	2.6 /65.4



42,000 BTU FIVE ZONE Condenser Combinations:

One Unit	Two Units		Three Units		Four Units		Five Units	
NA	9+24	18+18	9+9+18	12+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+9+9+12+24
NA	12+24	18+24	9+9+24	12+12+18	9+9+9+12	9+12+12+18	9+9+9+9+12	9+9+12+12+12
		24+24	9+12+12	12+12+24	9+9+9+18	9+12+12+24	9+9+9+9+18	9+9+12+12+18
			9+12+18	12+18+18	9+9+9+24	9+12+18+18	9+9+9+9+24	9+12+12+12+12
			9+12+24	12+18+24	9+9+12+12	12+12+12+12	9+9+9+12+12	12+12+12+12+12
			9+18+18	12+24+24	9+9+12+18	12+12+12+18	9+9+9+12+18	
			9+18+24	18+18+18	9+9+12+24	12+12+12+24		
			9+24+24	18+18+24	9+9+18+18	12+12+12+24		
					9+9+18+24	12+12+18+18		

TCL NORTH AMERICA

189 Technology Dr, Irvine, CA 92618

www.tcl.com



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SYSTEM PERFORMANCE DATA		
Power supply		
		208/230 / 1 / 60
Voltage Range (Min - Max)	V	175 - 265
Electrical		
Min. Circuit Ampacity - MCA	A	28
Max. FUSE Size	A	45
Cooling Capacity		
(Min - Max)	BTU/h	42,000 (8,700 ~47,000)
Rated Input Power	W	3400
Rated Current	A	14.8
Heating Capacity (Min - Max)		
(Min - Max)	BTU/h	42,000 (8,700 ~47,000)
Rated Input Power	W	3200
Rated Current	A	13.9

REFRIGERANT PIPING DATA		
Refrigerant Type / Charged	oz	R454b / 120.02
Pre-Charge Length Total	ft (m)	123 (37.5)
Design Pressure	PSIG	725
Line Set Sized (Liquid - Gas)	in	5X (1/4 - 3/8)
Add. Charge - Φ 6.35 (1/4)	oz/ft	0.11
Add. Charge - Φ 9.52 (3/8)	oz/ft	0.22
Line Set Length (Max) - Each	ft (m)	98 (30)
Line Set Length (Max) - Total	ft (m)	295 (90)
Max. Line Set Height Difference Btwn. ODU & Furthest IDU	ft (m)	49 (15)
Max. Line Set Height Difference Btwn. IDUs	ft (m)	33(10)
Connection method		Flared
Throttle Type		Capillary + EXV

OUTDOOR UNIT DATA		
Compressor Type		
		INVERTER, DC
Brand & Model		HIGHLY / MTH356SKPC8FQL
Input	W	2710
Rated current (RLA)	A	10.5
Refrigerant Oil / Charge	ml	1300
Motor Type		
		DC
Brand & Model		Broad Ocean / ZW511D000017
Input	W	200
Speed	r/min	700
		-
Performance		
Air Flow (Max)	CFM	2000
Sound Pressure Level	dB(A)	65
Unit Data		
External Dimensions (W x H x D)	in	42.3 × 18.4 × 33.6
	mm	1074 × 468 × 853
Package Dimensions (W x H x D)	in	44.7 × 20.8 × 38.2
	mm	1135 × 530 × 970
Weight (Net / Gross)	lbs (kgs)	174.2 / 198.4 (79 / 90)
Temperature Range		
Outdoor Cooling Range	°F (°C)	5~131(-5~55)
Outdoor Heating Range	°F (°C)	-13~86 (-25~30)

Limited Warranty	5 Years Parts, 7 Years Compressor, and extend to 10/10 upon reg. within 60 days
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SYSTEM PERFORMANCE DATA					
SEER2 (Non-Ducted)	22	SEER2 (Ducted)	20	MIX SEER2	21
EER2 (Non-Ducted)	12	EER2 (Ducted)	11.7	MIX EER2	11.7
HSPF2-4 (Non-Ducted)	9.5	HSPF2-4 (Ducted)	8.5	MIX HSPF2-4	9
COP (Non-Ducted)	3.5	COP (Ducted)	3.2	MIX COP	3.4

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