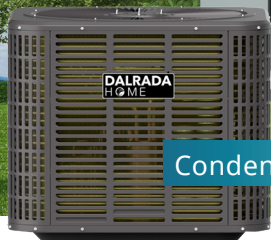




DALRADA HOME **AIR HANDLER/CONDENSER**

R454B Air to Air Home Heating & Cooling System





Condenser Unit



Air Handler Unit



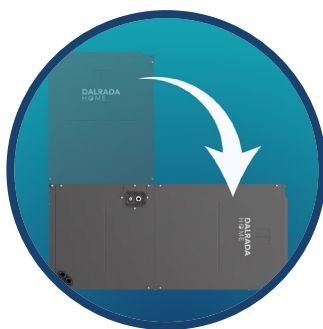
Full Inverter System

Full DC inverter components are applied to deliver enhanced efficiency and precise control for optimized energy consumption and comfort.



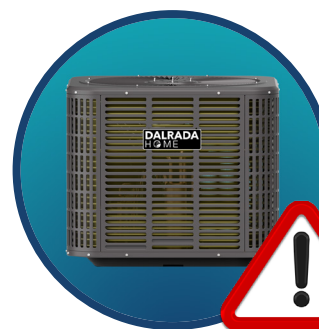
Weekly Timer Control

With this feature, users have the ability to create and schedule a 24-hour operating plan that can be repeated daily, offering convenience and automation in their routine.



Flexible Installation

It is designed with flexible multi-position installation, it can be installed either vertically or horizontally.



Refrigerant Leakage Detector

In the event of a refrigerant leak, it can automatically activate the circulation air function, reducing the concentration of refrigerant and ensuring safer and more reliable operation.



Specifications (Air Handler Unit)

Model			DH454-3ZAH	DH454-5ZAH
			3 Ton	5 Ton
Cooling	Capacity	Btu/h	34000	54000
Heating	Capacity	Btu/h	34000	54000
Electrical Data	Voltage-Phase-Hz		208/230-1-60	208/230-1-60
	Minimum Circuit Ampacity	A	3.5	3.5
	Max. Over Current Protection	A	15	18.5
	Min/Max Volts	V	187/253	187/253
Fan Motor	Model		22001-000656	22001-000656
	Brand		Broad-Ocean	Broad-Ocean
	Power		1/2HP	3/4HP
	FLA	A	2.5	2.5
Blower	Diameter	inch	12-1/4"	12-1/4"
	Width	inch	13"	13"
Indoor Coil	Number of Rows		4*2	5*2
	Number of U Tube		40*2	75*2
	Tube Pitch (a) x Row Pitch (b)	mm	21/12.7	21/12.7
	Fin Spacing/Thickness/Type	mm	1.5/0.095/Hydrophilic Aluminum Louvered	1.5/0.095/Hydrophilic Aluminum Louvered
	Tube Outside Dia. and Type	mm	Inner Grooved Aluminum Tube/7mm	Inner Grooved Aluminum Tube/7mm
	Coil Length x Height x Width	mm	/	/
	Number of Circuits		4*2	6*2
Sound Pressure Rating		dB(A)	57 (TBD)	62 (TBD)
Indoor Fan Airflow		CFM	1175	2052
		m³/h	2000	3500
Static Pressure		in.WC	up to 0.8	up to 0.8
		Pa	up to 200	up to 200
Throttle Type	Throttle Type		TXV	TXV
	Model		3TR	5TR
Refrigerant Line Size	Liquid side	inch	3/8"	3/8"
	Suction Side	inch	3/4"	7/8"
Refrigerant Connection Size	Liquid side	inch	3/8"	3/8"
	Suction Side	inch	3/4"	7/8"
Indoor Unit	Dimension (W*H*D)	inch	21"x 46 1/2"x 21"	21"x 56"x 24 1/2"
	Packing (W*H*D)	inch	23"x 52"x 24 1/2"	24 1/2"x 62"x 28"
Equipment Weight		kg	56	80
		lbs	123	176
Ship Weight (Pallet)		kg	TBD	TBD
Shipping per STD40HQ			152	57



Smart Control



24 Hour Timer



Fast Cool & Heat



Low Noise (dB)



Auto Defrost



Cooling Mode



Heating Mode



Electric Heater



Wired Control



Specifications (Top Discharge Condenser)

Model			DH454-3ZC	DH454-5ZC
			3 Ton	5 Ton
Rated Cooling (95°F/35°C)	Capacity	Btu/h	34600	52000
	EER2	Btu/h.W	10.0	8.0
	SEER2	Btu/h.W	18.0	16.5
Rated Heating (47°F/8.3°C)	Capacity	Btu/h	36000	53000
	HSPF2-4	Btu/h.W	8.0	7.6
Cold Climate Heating (5°F/15°C)	Capacity	Btu/h	26800	38000
	COP	W/W	1.8	1.8
	5°F/47°F		77%	73%
Electrical Data	Voltage-Phase-Hz		208/230-1-60	208/230-1-60
	Minimum Circuit Ampacity	A	TBD	TBD
	Max Overcurrent Protection	A	TBD	TBD
	Min/Max Volts	V	187/253	187/253
Fan Motor	Brand		Broad Ocean	Broad Ocean
	Type		DC	DC
	Input		200	200
Blower	Diameter		23-1/2"	23-1/2"
	Width		4-1/2"	4-1/2"
Outdoor Coil	Number of Rows		2	2
	Number of U Tube		28	38
	Tube Pitch (a) X Row Pitch (b)		12.7/21	12.7/21
	Fin Spacing/Thickness/Type		1.4./0.095/ Hydrophillic Aluminum Louvered	1.5/0.095/ Hydrophillic Aluminum Louvered
	Tube Outside Dia. and Type		Inner Grooved Aluminum Tube/7mm	Inner Grooved Aluminum Tube/7mm
	Coil Length x Hieght x Width		/	/
	Number of Circuits		8	/
Sound Pressure Rating			68	70
Outdoor Fan Air Flow			/	/
			/	/
Throttle Type			EEV	EEV
Pre-Charged Refrigerant Type			R454B	R454B
			99.8	165
			2830g	4680g
Refrigerant Line Size	Liquid Side		3/8"	3/8"
	Suction Side		3/4"	7/8"
Refrigerant Connection Size	Liquide Side (Welding Type)		3/8"	3/8"
	Suction Side (Welding Type)		3/4"	7/8"
Pre-charged Standard Line Length			7.5	7.5
			25'	25'
Maximum Line Length			30m	30m
			100'	100'
Maximum Elevation Difference			15m	15m
			50'	50'
Operating Temperatures	Cooling		-15°C - 54°C	-15°C - 54°C
			5°F - 130°F	5°F - 130°F
	Heating		-20°C - 30°C	-20°C - 30°C
			-5°F - 122°F	-5°F - 122°F
Outdoor Unit	Dimension (W x H x D)		29.125"x24.9375"x29.125"	29.125"x33.175"x29.125"
	Packing (W x H x D)		30.2"x31.25"x30.2"	30.2"x39.5"x30.2"
Equipment Weight			TBD	TBD
Ship Weight (Pallet)			TBD	TBD
Shipping per STD40HQ			135PCS	90PCS

