

SRM 18SEER2 R454B SERIES

Top Discharge Condenser & Air Handler Unit

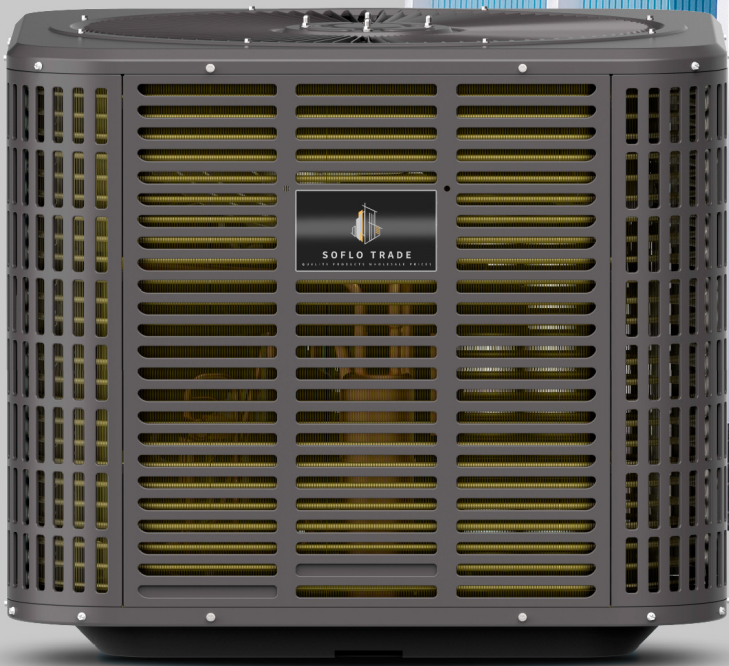


SOFLO TRADE

QUALITY PRODUCTS WHOLESALE PRICES



Air Handler Unit



Top Discharge Condenser

Full Inverter System

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



Free switch to 24V&485 control

It is compliant to both 24V and RS485 communication technology, and compliant to 3rd party 24V thermostat.



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.



Independent Dehumidification

It can effectively reduce humidity levels automatically and maintaining a comfortable environment.



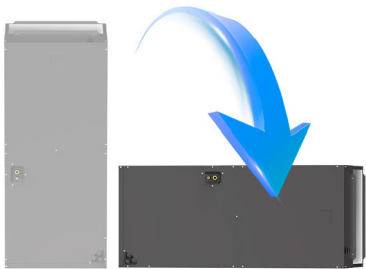
Weekly Timer of wired controller

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.



Flexibility for UP&DOWN&HZ installation IDU

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



18 SEER2 R454B Technical Specifications (AHU series)

Model			24K	36K	48K	60K
			ZAV-24HDTB	ZAV-24HDTB	ZAV-24HDTB	ZAV-60HDTB
Cooling	Capacity	Btu/h	24000	34000	48000	54000
Heating	Capacity	Btu/h	24000	34000	48000	54000
Electrical Data	Voltage-Phase-Hz		208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Minimum Circuit Ampacity	A	3.5	3.5	3.5	3.5
	Max.Over Current Protection	A	15	15	18.5	18.5
	Min/Max Volts	V	187/253	187/253	187/253	187/253
Fan motor	Model		22001-000656	22001-000656	22001-000657	22001-000657
	Brand		Broad-Ocean	Broad-Ocean	Broad-Ocean	Broad-Ocean
	Power		1/2HP	1/2HP	3/4HP	3/4HP
	FLA	A	2.5	2.5	2.5	2.5
Blower	Diameter	inch	12-1/4'	12-1/4'	12-1/4'	12-1/4'
	Width	inch	13'	13'	13'	13'
Indoor coil	Number of rows		4*2	4*2	5*2	5*2
	Number of U tube		40*2	40*2	75*2	75*2
	Tube pitch(a) x row pitch(b)	mm	21/12.7	21/12.7	21/12.7	21/12.7
	Fin spacing /thickness/type	mm	1.5/0.095/ hydrophilic aluminium Louvered	1.5/0.095/ hydrophilic aluminium Louvered	1.5/0.095/hydrophilic aluminium Louvered	1.5/0.095/hydrophilic aluminium Louvered
	Tube outside dia.and type	mm	inner grooved aluminum tube/7mm	inner grooved aluminum tube/7mm	inner grooved aluminum tube/7mm	inner grooved aluminum tube/7mm
	Coil length x height x width	mm	/	/	/	/
	Number of circuits		4*2	4*2	6*2	6*2
Sound Pressure rating		dB(A)	57 (TBD)	57 (TBD)	62 (TBD)	62 (TBD)
Indoor fan Air flow	CFM		850	1175	2052	2052
	m³/h		1450	2000	3500	3500
Static Pressure	in.WC		up to 0.8	up to 0.8	up to 0.8	up to 0.8
	Pa		up to 200	up to 200	up to 200	up to 200
Throttle type	Throttle type		TXV	TXV	TXV	TXV
	Model		3TR	3TR	5TR	5TR
Refrigerant Line Size	Liquid side	inch	3/8'	3/8'	3/8'	3/8'
	Suction side	inch	3/4'	3/4'	7/8'	7/8'
Refrigerant Connection Size	Liquid side	inch	3/8'	3/8'	3/8'	3/8'
	Suction side	inch	3/4'	3/4'	7/8'	7/8'
Indoor unit	Dimension (W*H*D)	inch	21'x46-1/2'x21'	21'x46-1/2'x21'	21'x56'x24-1/2'	21'x56'x24-1/2'
	Packing (W*H*D)	inch	23'x52'x24-1/2'	23'x52'x24-1/2'	24-1/2'x62'x28'	24-1/2'x62'x28'
Equipment Weight	kg		56	56	80	80
	lbs		123	123	176	176
Ship Weight(Pallet)		kg	TBD	TBD	TBD	TBD
Shipping per STD40HQ			152	152	57	57

ECM

ECM style AHU IDU

Self-adjust Intelligent control ODU

24Hour Timer of wired controller

Fast Cool and Fast Heat

Comfort Low noise

Intelligent AUTO Defrost

Self-troubleshooting Coil in AHU

Fire & Humidity-proof Electrical Box of IDU

Low Temperature Cooling

Low Temperature Heating

Electric Heater

Wired Control

Heating apply to wired control

18 SEER2 R454B Technical speifications

(Top Discharge Condenser)

Model			24K	36K	48K	60K
			ZOV-24HDTB	ZOV-36HDTB	ZOV-48HDTB	ZOV-60HDTB
"Rated Cooling (95F/35°C)"	Capacity	Btu/h	24000	34600	46000	52000
	EER2	Btu/h.W	10.5	10.0	10.0	8.0
	SEER2	Btu/h.W	18.0	18.0	18.0	16.5
"Rated Heating (47F/8.3°C)"	Capacity	Btu/h	25000	36000	47000	53000
	HSPF2-4	Btu/h.W	8.5	8.0	8.0	7.6
"Cold Climate Heating (5F-15°C)"	Capacity	Btu/h	17800	26800	36000	38000
	COP	W/W	1.8	1.8	1.8	1.8
	5F/47F		74%	77%	78%	73%
Electrical Data	Voltage-Phase-Hz		208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Minimum Circuit AMPacity	A	TBD	TBD	TBD	TBD
	"Max.Overcurrent protection (MAX FUSE OR HACR BREAKER)"	A	TBD	TBD	TBD	T BD
	min/max Volts	V	187/253	187/253	187/253	187/253
Fan motor	Brand		Broad-Ocean	Broad-Ocean	Broad-Ocean	Broad-Ocean
	Type		DC	DC	DC	DC
	Input	W	200	200	200	200
Blower	Diameter	inch	23-1/2'	23-1/2'	20-7/8'	20-7/8'
	Width	inch	4-1/2'	4-1/2'	6-3/4'	6-3/4'
Outdoor coil	Number of rows		1	2	2	2
	Number of U tube		14	28	38	38
	Tube pitch(a)x row pitch(b)	mm	12.7/21	12.7/21	12.7/21	12.7/21
	Fin spacing /thickness/type	mm	1.2/0.095/ hydrophilic aluminium Louvered	1.4/0.095/ hydrophilic aluminium Louvered	1.5/0.095/ hydrophilic aluminium Louvered	1.5/0.095/ hydrophilic aluminium Louvered
	Tube outside dia.and type	mm	inner grooved aluminum tube/7mm	inner grooved aluminum tube/7mm	inner grooved aluminum tube/7mm	inner grooved aluminum tube/7mm
	Coil length x height x width	mm	/	/	/	/
	Number of circuits		4	8	/	/
Sound Pressure rating		dB	68	68	70	70
Outdoor fan Air flow		CFM	/	/	/	/
		m3/h	/	/	/	/
Throttle type			EEV	EEV	EEV	EEV
Pre-Charged refrigerant type		Type	R454B	R454B	R454B	R454B
		oz	75.8	99.8	165	165
		g	2150g	2830g	4680g	4680g
Refrigerant Line Size	Liquid side	inch	3/8'	3/8'	3/8'	3/8'
	Suction side	inch	3/4'	3/4'	7/8'	7/8'
Refrigerant Connection Size	Liquid side (welding type)	inch	3/8'	3/8'	3/8'	3/8'
	Suction side (welding type)	inch	3/4'	3/4'	7/8'	7/8'
Pre-Charged Standard line length		m	7.5	7.5	7.5	7.5
		feet	25Feet	25Feet	25Feet	25Feet
Maximum line length		m	30	30	30	30
		feet	100Feet	100Feet	100Feet	100Feet
Maximum elevation difference		m	15	15	15	15
		feet	50Feet	50Feet	50Feet	50Feet
Operating temperatures	Cooling	°C	-15--54°C	-15--54°C	-15--54°C	-15--54°C
		°F	5--130 °F	5--130 °F	5--130 °F	5--130 °F
	Heating	°C	-20--30°C	-20--30°C	-20--30°C	-20--30°C
		°F	-5--122 °F	-5--122 °F	-5--122 °F	-5--122 °F
Outdoor unit	Dimension (W x H x D)	inch	29-1/8 x 24-15/16 x29-1/8	29-1/8 x 24-15/16 x29-1/8	29-1/8x33-3/16x29-1/8	29-1/8x33-3/16x29-1/8
	Packing (W x H x D)	inch	30-1/5 x 31-1/4 x 30-1/5	30-1/5 x 31-1/4 x 30-1/5	30-1/5 x 39-1/2 x 30-1/5	30-1/5 x 39-1/2 x 30-1/5
Equipment Weight		kg	TBD	TBD	TBD	TBD
Ship Weight(Pallet)		kg	TBD	TBD	TBD	TBD
Shipping per STD40HQ			135PCS	135PCS	90PCS	90PCS



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