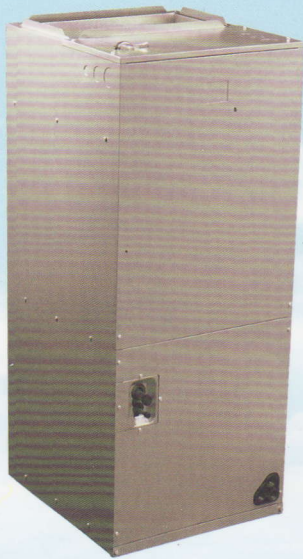


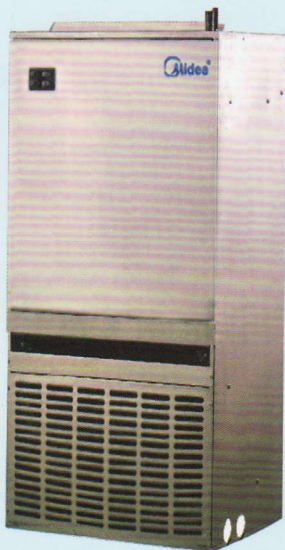


# Commercial Air conditioner



## 13 SEER air handler

- **Anti-rust:** painted galvanized steel cabinet, 500 hours' salt spray test
- **Low noise:** Fully insulated design helps to minimize indoor noise level
- **Common maintaining:** Removing the front panel will allow the blower assembly and coil assembly slide-out easily
- **Filter rack:** filter rack at the bottom, very convenient for installation.
- **Multi-position:** 4-way convertible design for upflow, downflow, horizontal left and horizontal right.
- **Motor:** quiet operation 3-speed PSC motor



## 13 SEER Wall mounted Air handler

Suitable for use with R410A and R22 refrigerants

Match with cooling only or heat pump operation

Multi-speed PSC motor

AHRI Listed & ETL Certified

Accessories

Electric heater: 5kW/7.5kW/10kW



# Specifications - R410A Air handler

Sale Model		MVC-18WN1-M13	MVA-24HWN1-M13	MVC-30WN1-M13	MVC-36WN1-M13	
Power supply	V-Ph-Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	
MCA	AMPS	0.9	1.3	1.9	2.2	
MOP	AMPS	15	15	15	15	
MOTOR	Model	YDK100-6F	YDK135-6F	YDK180-6F	YDK220-6F	
	Type	PSC	PSC	PSC	PSC	
	Capacitor	uF	6	6	10	
	Rated HP		1/8	0.2	1/4	
	Rated RPM	r/min	1075	1075	1075	
Indoor fan	material	Metal	Metal	Metal	Metal	
	Type	Fan impeller	Fan impeller	Fan impeller	Fan impeller	
	Diameter	inch	10-5/8	10-5/8	10-5/8	
	Height	inch	8-1/8	8-1/8	10-3/4	
In door coil type		Copper tube and Aluminum fin				
Indoor limit value of static pressure and air flow	Pa/CFM	25/622	25/802	40/992	40/1389	
Indoor sound level (sound pressure level)	dB(A)	42/39/35	49/46/40	48/47/45	47/46/44	
Indoor unit	Dimension (W*H*D)	inch	18-1/8x41-3/8x20-1/2	18-1/8x41-3/8x20-1/2	18-1/8x41-3/8x20-1/2	19-5/8x46-1/2x21-5/8
	Packing (W*H*D)	inch	21x42-7/10x24-1/6	21x42-7/10x24-1/6	21x42-7/10x24-1/6	22-3/5x47-4/5x25-7/20
	Net/Gross weight	lbs	106/117	114/128	115/126	135/146
throttle type		Orifice	Orifice	Orifice	Orifice	
Refrigerant connection valve size	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	
Shipping per STD40HQ		210	210	210	154	

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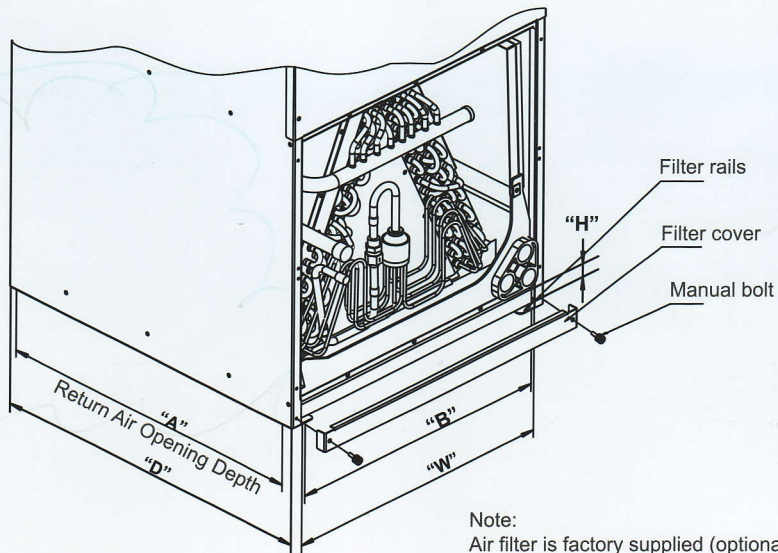
Sale Model		MVC48WN1M13	MVA-60HWN1-M13
Power supply		208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
MCA		2.8	3.5
MOP		15	15
MOTOR	Model	YDK300-6F	YDK400-6F
	Type	PSC	PSC
	Capacitor	20	20
	Rated HP	1/2	3/4
	Rated RPM	1075	1075
Indoor fan	material	Metal	Metal
	Type	Fan impeller	Fan impeller
	Diameter	10-5/8	10-5/8
	Height	10-3/4	10-3/4
In door coil type		Copper tube and Aluminum fin	
Indoor limit value of static pressure and air flow		50/1595	50/1966
Indoor sound level (sound pressure level)		54/52/49	50/49/47
Indoor unit	Dimension (W*H*D)	22x54-1/2x24	22x54-1/2x24
	Packing (W*H*D)	25x55-4/5x27-7/10	25x55-4/5x27-7/10
	Net/Gross weight	170/185	172/187
throttle type		Orifice	Orifice
Refrigerant connection valve size	Liquid side/ Gas side	3/8 / 7/8	3/8 / 7/8
Shipping per STD40HQ		104	104

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# Specifications - R410A Wall mounted

Sale Model			MVB-18WN1-M13	MVB-24WN1-M13	MVB-30WN1-M13	MVB-36WN1-M13
Power supply	V-Ph-Hz		208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
MCA	AMPS		1	1.3	1.6	2.3
MOP	AMPS		15	15	15	15
MOTOR	Model		YDK100-6Q	YDK165-6Q	YDK220-6F	YDK270-6F
	Type		PSC	PSC	PSC	PSC
	Capacitor	uF	6	6	15	10
	Rated HP		0.17	0.25	0.33	0.5
	Rated RPM	r/min	1075	1075	1075	1075
Indoor fan	material		Metal	Metal	Metal	Metal
	Type		Fan impeller	Fan impeller	Fan impeller	Fan impeller
	Diameter	inch	10-3/4	10-3/4	10-3/4	10-3/4
	Height	inch	6	6	8	8
In door coil type			Copper tube and Aluminum fin			
Indoor limitvalue of static pressure and air flow	Pa/CFM		25/650	25/850	25/1127	25/1213
Indoor sound level (sound pressure level)	dB(A)		50	54	53	54
Indoor unit	Dimension (W*H*D)	inch	20-1/2x36-1/2x15	20-1/2x36-1/2x15	22x39-1/2x19	22x39-1/2x19
	Packing (W*H*D)	inch	23-1/5x40-1/4x18-1/2	23-1/5x40-1/4x18-1/2	24-4/5x42-1/3x21-4/5	24-4/5x42-1/3x21-4/5
	Net/Gross weight	lbs	88/99	88/99	110/121	110/121
throttle type			Orifice	Orifice	Orifice	Orifice
Refrigerant connection valve size	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4
Shipping per STD40HQ			258	258	176	176

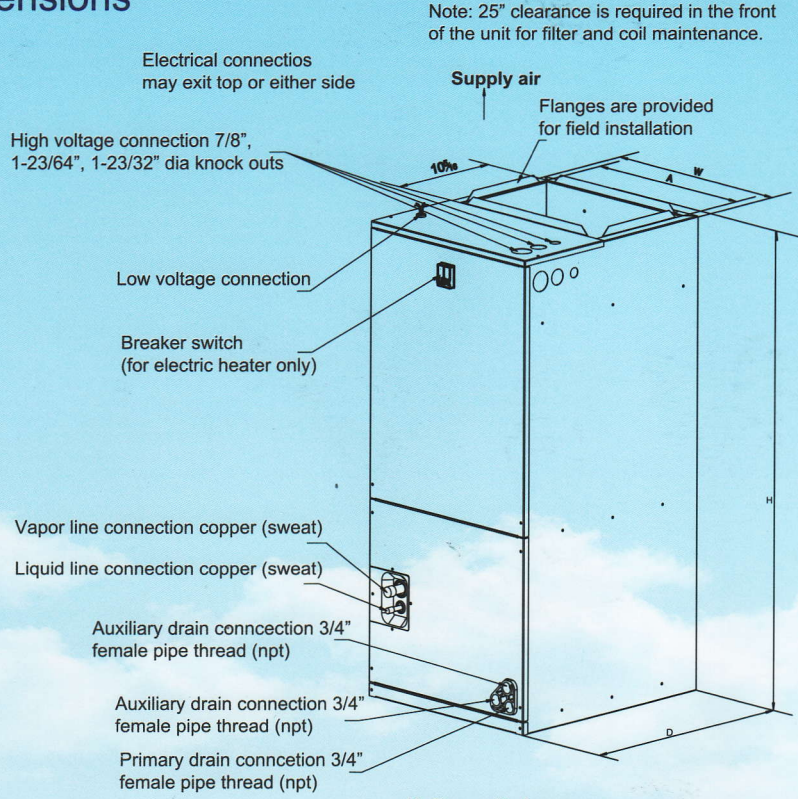
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## R410A Air Handler Dimensional Data

Model	Filter Size IN [mm]	"W" IN [mm]	"D" IN [mm]	"H" IN [mm]	Return Width "A" IN	Return Length "B" IN
18/24/30	16X20[406X508]	16.8[426]	20.4[518]	1[25.4]	19.6	14.8
36/42	18X20[457X508]	18.3[466]	21.6[548]	1[25.4]	20.8	16.3
48/60	20X22[508X559]	20.7[526]	23.9[608]	1[25.4]	23	18.8

# Unit Dimensions



Upflow unit shown;  
unit may be installed upflow, downflow,  
horizontal right, or left air supply.

## R410A Air Handler Dimensional Data

Model data	Unit Height "H" IN. [mm]	Unit Width "W" IN. [mm]	Unit Length "D" IN. [mm]	Supply Duct "A"	Unit Weight /Shipping Weight (LBS. [kg])
18	41-3/8"[1050]	18-1/8"[460]	20-1/2"[520]	16"[406]	106/119 [48]/[54]
24	41-3/8"[1050]	18-1/8"[460]	20-1/2"[520]	16"[406]	106/119 [48]/[54]
30	41-3/8"[1050]	18-1/8"[460]	20-1/2"[520]	16"[406]	119/132 [54]/[60]
36	46-1/2"[1180]	19-5/8"[500]	21-5/8"[550]	18"[456]	141/156 [64]/[71]
42	46-1/2"[1180]	19-5/8"[500]	21-5/8"[550]	18"[456]	141/156 [64]/[71]
48	54-1/2"[1385]	22"[560]	24"[610]	19-1/2"[496]	172/187 [78]/[85]
60	54-1/2"[1385]	22"[560]	24"[610]	19-1/2"[496]	172/187 [78]/[85]



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Is certified under the ISO 14001 International standard  
for environmental management.  
Certificate No.15912E10020R0L

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Note: The data in this book may be changed without notice for further improvement  
on quality and performance.