



# CENTRAL SYSTEMS



▷ COMFORT AT ITS BEST ! ◁



# ➤ SIDE DISCHARGE AIR CONDITIONER

## VERY QUIET TAKES LITTLE ROOM

- ▶ EFFICIENCIES OF 13 SEER
- ▶ AHRI LISTED
- ▶ NOMINAL 1.0, 1.5, 2.0 AND 3.0 TON COOLING CAPACITIES
- ▶ CAN BE INSTALLED WITH A COIL



- **Years of durability:** Low-profile, louvered, galvanized steel cabinet with durable paint finish provides protection from the elements. Our cabinets go through the tough 500 hours salt spray test to ensure years of dependability on Direct Air for your home comfort needs.
- **Very quiet operation:** Air is softly discharged through a grille located on the side of the unit and is practically turbulence free. The fan blade design allows for quiet operation and low noise levels, which you and your neighbors will appreciate.
- **Simple maintenance:** Access to the internal components of the unit is simplified: remove one service panel or the top grille, keeping service time and labour cost to a minimum.
- **Guaranteed dependability :** Every side discharge air conditioner from Direct Air benefits from a 10 year limited warranty on the compressor and on parts. No registration needed.
- **Eco-Friendly product:** Our eco-friendly air conditioning units meet or exceed world environmental standards by utilizing Refrigerant 410A that does not contribute to ozone depletion.

# ➤ 24V SIDE DISCHARGE



**Model  
3.0 tons  
shown**



**Model  
2.0 tons  
shown**

MODEL			DIRG-12CN	DIRG-18CN	DIRG-24CN	DIRG-30CN	DIRG-36CN
Cooling	Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000
	Power	V	115V	208/230V	208/230V	208/230V	208/230V
	Rated current	A	10	9	10,5	14	17
	SEER	Btu/w	13	13	13	13	13
Outdoor Sound Levels		dB(A)	54	56	58	60	60
Dimensions (W*D*H)		inch	32 x 12 x 21,1	36,4 x 14,4 x 27,6	41,1 x 17 x 31,1	41,3 x 15,7 x 39,2	52,3 x 15,7 x 35,9
Gross weight		lbs.	86	106	141	169	207
Refrigerant piping	Liquid side/ Gas side	inches	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 3/4	3/8 - 3/5
Refrigerant piping Max Length		feet	82	82	82	82	82
Refrigerant piping Max Height		feet	33	33	33	33	33

**Minimum pipe length CANNOT be shorter than 15 feet**

Specifications subject to change.

# 13 SEER AC 14 SEER HP



**-Years Of Durability:** Low-profile, louvered, galvanized steel cabinet with durable paint finish provides protection from the elements. Our cabinets go through the tough 500 hours salt spray test to ensure years of dependability on Direct Air for your home comfort needs.

**- Quiet Operation:** Air is discharged through a grille located on top of the unit, and is directed upward and away from surrounding landscape greeneries. The fan blade design allows for quiet operation and low noise levels, which you and your neighbors will appreciate.

**- Simple Maintenance:** Access to the internal components of the unit is simplified: remove one service panel or the top grille, keeping service time and labour cost to a minimum.

**- Eco-Friendly Product:** Our eco-friendly condensing units meet or exceed world environmental standards by utilizing Refrigerant R-410A that does not contribute to ozone depletion.

## AIR CONDITIONERS

MODEL		MOVA-18CN1-M13T	MOVA-24CN1-M13T	MOVA-30CN1-M13T	MOVC-36CN1-M13	MOVD-42CN1-M13L	MOVD-48CN1-M13L	MOVA-60CN1-M13L	
Cooling	Capacity	Btu/h	17500	23000	30000	34200	41000	48000	57000
	SEER	Btu/h.W	13	13	13	13	13	13	13
Electrical	Power supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Rated Current	A	9	11.6	16	19.9	28.2	32	31.1
	Max. Overcurrent Protection	A	15	20	25	35	45	50	50
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	
Outdoor sound level		dB(A)	74	74	74	74	76	76	76
Refrigerant system	Factory charge(R410A)	lbs-oz	4-7	4-14	6-5	4-5	6-2	8-1	9-1
	Liquid side/ Suction side	inch	3/8 3/4	3/8 3/4	3/8 3/4	3/8 3/4	3/8 3/4	3/8 7/8	3/8 7/8
Outdoor unit	Dimension(W×H×D)	mm	554×633×554	600×633×600	710×633×710	600×633×600	710×759×710	740×843×740	740×843×740
		inch	21-7/8×24-15/16×21-7/8	23-5/8×24-15/16×23-5/8	28×24-15/16×28	23-5/8×24-15/16×23-5/8	28×29-7/8×28	29-1/8×33-3/16×29-1/8	29-1/8×33-3/16×29-1/8
	Net/Gross weight	Kg	54/57	58/61	71/75	60/63	84/89	87/91	95/100
		lbs	119/126	128/134	156/165	132/139	185/196	192/201	209/220

## HEAT PUMPS

MODEL		MOVA-24HN1-M14C	MOVA-30HN1-M14C	MOVA-36HN1-M14	MOVA-42HN1-M14	MOVA-48HN1-M14	MOVA-60HN1-M14	
Cooling	Capacity	Btu/h	23200	29000	36000	42000	48000	57000
	SEER	Btu/h.W	14	14	14.0	14.0	14.0	14.0
Heating	Capacity	Btu/h	22200	28600	34600	40000	47000	56000
	HSPF		8.2	8.3	8.3	8.3	8.3	8.3
Electrical	Power supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Rated Current	A	17.5	18.7	21.9	24.1	29	34.7
	Max. Overcurrent Protection	A	30	30	35	40	50	60
Compressor Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
Outdoor sound level		dB(A)	74	74	76	76	76	76
Refrigerant system	Factory charge(R410A)	lbs-oz	5-7	6-16	8-14	8-3	9-8	11-8
	Liquid side/ Suction side	inch	3/8 3/4	3/8 3/4	3/8 3/4	3/8 3/4	3/8 7/8	3/8 7/8
Outdoor unit	Dimension(W×H×D)	mm	600X633X600	710X633X710	740X633X740	710X759X710	710X843X710	740X843X740
		inch	23-5/8×24-15/16×23-5/8	28×24-15/16×28	29-1/8×24-15/16×29-1/8	28×29-7/8×28	28×33-3/16×28	29-1/8×33-3/16×29-1/8
	Net/Gross weight	Kg	62/66	73/77	74/78	90/95	96/101	109/116
		lbs	136/145	161/169	163/172	198/209	212/223	240/255

# ➤ 14 SEER ELECTRIC FURNACES

- ▶ **FACTORY INSTALLED COOLING COILS THAT USE ECOFRIENDLY R410A REFRIGERANT.**
- ▶ **A QUIET THREE SPEED PSC MOTOR INSURES AIR DISTRIBUTION.**
- ▶ **AVAILABLE IN CAPACITIES OF 2.0 TO 5.0 TONS.**
- ▶ **ALSO AVAILABLE ARE ELECTRIC HEATING ELEMENTS OF 10KW, 15KW AND 20KW.**



### Resists corrosion

The galvanized cabinet is painted for a superior corrosion resistance. It has passed with success the 500 hours salt spray test.

### Low Noise Design

Fully insulated to reduce noise inside your home.

### Common Maintenance Access

By simply removing the front panel you will have access to the blower assembly and the coil which slide out of the cabinet for maintenance.

### Filter Rack

Located at the base of the furnace, the filter rack makes installation and service of the filter much easier.

### Multi positions

4 position convertible design: Up flow, down flow, horizontal left or horizontal right.

### Motor

Quiet 3 speed PSC motor.

MODEL		MVA-24N1B	MVA-30N1B	MVA-36HWN1-M13	MVA-42N1C	MVA-48HWN1-M13	MVA-60HWN1-M13
Heating Capacity	kW/h	10-15	10-15	10-15	10-15-20	10-15-20	10-15-20
Electrical	Power supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Minimum Circuit Ampacity	A	1,3	1,9	2,3	2,8	3,5
	Max. Overcurrent Protection	A	15	15	15	15	15
Indoor Fan	Type	PSC	PSC	PSC	PSC	PSC	PSC
	Capacitor	uF	6	10	10	20	20
	Rated RPM	RPM	1075	1075	1075	1075	1075
	Rated HP	HP	1/5	1/4	1/2	1/2	3/4
	FLA	A	1	1,5	1,8	2,2	8
Indoor fan	Material	Galvanized sheet	Galvanized sheet	Galvanized sheet	Galvanized sheet	Galvanized sheet	Galvanized sheet
	Type	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan
	Diameter	in.	10-5/8	10-5/8	10-5/8	10-5/8	10-5/8
	Height	in.	10-3/4	10-3/4	10-3/4	10-3/4	10-3/4
Indoor External Static Pressure	In w.g.(Pa)	0.1(25)	0.15(37.5)	0.15(37.5)	0.15(37.5)	0.2(50)	0.2(50)
Indoor Air Flow	CFM	962	1127	1237	1509	1646	2039
Indoor sound pressure level	dB(A)	48/47/42	50/48/44	50/48/44	51/50/47	54/52/49	54/52/49
System	Pre-installed orifice		057	063	068	080	090
	Line Connections	Brazing	Brazing	Brazing	Brazing	Brazing	Brazing
	Liquid side/ Suction side	in.	3/8 3/4	3/8 3/4	3/8 3/4	3/8 3/4	3/8 7/8
Indoor unit	Dimension (W*H*D)	mm	500×1180×550	500×1180×550	500×1180×550	560×1385×610	560×1385×610
		in.	19-5/8x46-1/2x21-5/8	19-5/8x46-1/2x21-5/8	19-5/8x46-1/2x21-5/8	22x54-1/2x24	22x54-1/2x24
	Net/Gross weight	Kg	62/69	62/69	64/71	78/85	78/85
		lbs	136/152	136/152	141/156	172/187	172/187
Filter Size	in.	18×20×1	18×20×1	18×20×1	20×22×1	20×22×1	20×22×1
	mm	457×508×25.4	457×508×25.4	457×508×25.4	508×559×25.4	508×559×25.4	508×559×25.4
Drain Conn.Size	in.	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT

Specifications subject to change.

# ▶ LIMITED WARRANTY

DIRECT AIR CENTRAL SYSTEMS HAVE THE FOLLOWING LIMITED WARRANTY:

10 YEARS ON COMPRESSOR AND PARTS.



[directairhvac.com](http://directairhvac.com)



**R-410A**



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Distributed by Powrmatic of Canada

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