



R-32 INVERTER SERIES

Up to 18.5
SEER2

Up to 9.2 HSPF2

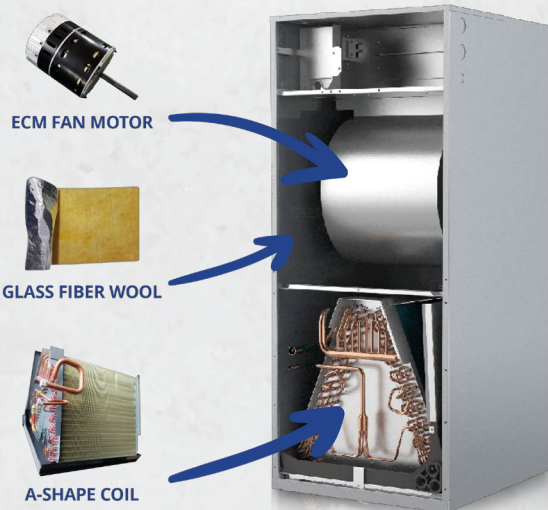


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AIR HANDLER



Inner Structure



Fan Speed Dip Switches

Model	SW1	LOW FAN	SW2	HIGH FAN
24K		Speed 1		Speed 2
36K		Speed 1		Speed 4
48K 60K		Speed 2		Speed 4



Features



Multi-position
Installation



DC Fan
Motor



Leakage
Sensor



Hydrophilic
Aluminium Foil



Copper
Pipes



Thermal
Insulation



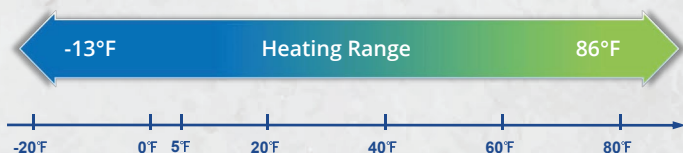
Wired
Controller

Model			OTA18C002A	OTA18C004A	OTA18C006A	OTA18C007A
Power Supply		V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Cooling	Capacity	Btu/h	24,000	33,000	47,000	55,000
	EER2	Btu/h.W	12.5	11.2	11.5	10.0
	SEER2	Btu/h.W	18.5	18.0	18.5	17.0
Heating	Capacity	Btu/h	24,000	34,000	47,500	54,000
	HSPF2	Btu/h.W	8.8	8.8	9.2	8.8
	COP2 (5°F)	Btu/h.W	2.15	2.00	2.30	2.30
Electrical Data	MCA	--	4.8	4.8	7.2	7.2
	MOCP	--	6	6	10	10
	Min / Max Volts	V	180 / 264	180 / 264	180 / 264	180 / 264
Indoor Motor	Type	--	ECM	ECM	ECM	ECM
	Rated Output	HP	1/2	1/2	3/4	3/4
	Rated RPM	r/min	1,000	1,000	1,050	1,050
	FLA	A	3.2	3.2	5.5	5.5
Indoor Air Flow		CFM	670 / 820	670 / 1,130	1,280 / 1,650	1,280 / 1,650
Esp		Pa	145	145	145	145
Indoor Noise Level		dB(A)	45-55	45-55	48-59	48-59
Metering Device	Throttle Type	--	TXV	TXV	TXV	TXV
Dimension (W×D×H)		In.	19.6" × 22.0" × 45.8"	19.6" × 22.0" × 45.8"	22.0" × 24.5" × 53.1"	22.0" × 24.5" × 53.1"
Packing (W×D×H)		In.	23" × 26" × 48"	23" × 26" × 48"	25" × 28" × 55"	25" × 28" × 55"
Net / Gross Weight		lbs	130 / 141	130 / 141	172 / 185	172 / 185
Refrigerant Piping Liquid Side /Gas Side		In.	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (7/8")	(3/8") / (7/8")
Shipping Per Std40hq		--	144	144	54	54

HEAT PUMP



Temperature Range



Electronic Control

The electronic control board centralizes multiple individual control boards, simplifying wiring for faster connections, easier installation, and optimized unit space.

Capacity Dip Switches

24K	36K	48K	60K
SW2-1 SW2-2	SW2-1 SW2-2	SW2-1 SW2-2	SW2-1 SW2-2



Features



Galvanized
Steel Cabinet



Hydrophilic
Aluminium Foil



DC Rotary
Compressor



DC Fan
Motor



Temperature
Sensor



Copper
Tube



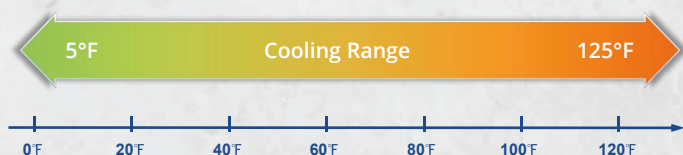
Pressure
Sensor

Model			OTV18HN024A*	OTV18HN036A	OTV18HN048A*	OTV18HN060A
Electrical Data	V/Ph/Hz	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	A	25	25	33	33
	MOCP	A	30	30	45	45
	Min / Max Volts	V	180 / 264	180 / 264	180 / 264	180 / 264
Cooling	Capacity	Btu/h	24,000	33,000	47,000	55,000
	EER2	Btu/h.W	12.5	11.2	11.5	10.0
	SEER2	Btu/h.W	18.5	18.0	18.5	17.0
Heating	Capacity	Btu/h	24,000	34,000	47,500	54,000
	HSPF2	Btu/h.W	8.8	8.8	9.2	8.8
	COP2 (5°F)	Btu/h.W	2.15	2.00	2.10 / 2.30	2.30
Compressor	Brand	--	GMCC	GMCC	GMCC	GMCC
	Type	--	Rotary	Rotary	Rotary	Rotary
	Capacity	W/h	7,350	7,350	13,330	13,330
	Input	W	2,090	2,090	3,660	3,660
	Rated Current (RLA)	A	9.55	9.55	6.5	6.5
Outdoor Motor	Brand	--	Broad - Ocean	Broad - Ocean	Broad - Ocean	Broad - Ocean
	Type	--	DC	DC	DC	DC
	Rated HP	W	2/7	2/7	2/7	2/7
	Speed	rpm	950	950	1,050	1,100
	FLA	A	2.0	2.0	2.0	2.0
Outdoor Air Flow		CFM	2,800	2,800	3,800	3,800
Outdoor Noise Level		dB(A)	41 - 62	41 - 64	50 - 62	50 - 65
Dimension (W×D×H)		In.	29.1" × 29.1" × 25.0"	29.1" × 29.1" × 25.0"	29.1" × 29.1" × 32.9"	29.1" × 29.1" × 32.9"
Packing (W×D×H)		In.	31" × 31" × 26"	31" × 31" × 26"	30" × 30" × 34"	30" × 30" × 34"
Net / Gross Weight		lbs	157 / 165	157 / 165	196 / 206	196 / 206
Refrigerant System	Liquid Side / Gas Side	In.	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (7/8")	(3/8") / (7/8")
	Refrigerant Type	--	R-32	R-32	R-32	R-32
	Factory Charge	kg/oz	3.2 / 112.9	3.2 / 112.9	4.2 / 148.1	4.2 / 148.1
	Additional Charge	oz/ft	0.32	0.32	0.32	0.32
Operating Temperature	Cooling	°F	5 ~ 125	5 ~ 125	5 ~ 125	5 ~ 125
	Heating	°F	-13 ~ 86	-13 ~ 86	-13 ~ 86	-13 ~ 86
Shipping Per Std40hq		--	180	180	135	135

COOLING ONLY



Temperature Range



Electronic Control

The electronic control board centralizes multiple individual control boards, simplifying wiring for faster connections, easier installation, and optimized unit space.

Capacity Dip Switches

24K	36K	48K	60K
SW2-1 SW2-2	SW2-1 SW2-2	SW2-1 SW2-2	SW2-1 SW2-2



Features



Galvanized
Steel Cabinet



Hydrophilic
Aluminium Foil



DC Rotary
Compressor



DC Fan
Motor



Temperature
Sensor



Copper
Tube



Pressure
Sensor

Model			OTV18CN024A*	OTV18CN036A	OTV18CN048A*	OTV18CN060A
Electrical Data	V/Ph/Hz	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	A	32	32	41	41
	MOCp	A	40	40	50	50
	Min / Max Volts	V	180 / 264	180 / 264	180 / 264	180 / 264
Cooling	Capacity	Btu/h	24,000	33,000	47,000	55,000
	EER2	Btu/h.W	12.5	11.2	11.5	10.0
	SEER2	Btu/h.W	18.5	18.0	18.5	17.0
Compressor	Brand	--	GMCC	GMCC	GMCC	GMCC
	Type	--	Rotary	Rotary	Rotary	Rotary
	Capacity	W/h	7,350	7,350	13,330	13,330
	Input	W	2,090	2,090	3,660	3,660
	Rated Current (RLA)	A	9.55	9.55	6.50	6.50
	Demagnetizing Current	A	52	52	61	61
Outdoor Motor	Brand	--	Broad - Ocean	Broad - Ocean	Broad - Ocean	Broad - Ocean
	Type	--	DC	DC	DC	DC
	Rated HP	W	2/7	2/7	2/7	2/7
	Speed	rpm	950	950	1,050	1,100
	FLA	A	2.0	2.0	2.0	2.0
Outdoor Air Flow		CFM	2,800	2,800	3,800	3,800
Outdoor Noise Level		dB(A)	41 - 62	41 - 64	50 - 62	50 - 65
Dimension (W×D×H)		In.	29.1" × 29.1" × 25.0"	29.1" × 29.1" × 25.0"	29.1" × 29.1" × 32.9"	29.1" × 29.1" × 32.9"
Packing (W×D×H)		In.	31" × 31" × 26"	31" × 31" × 26"	30" × 30" × 34"	30" × 30" × 34"
Net / Gross Weight		lbs	148 / 157	148 / 157	183 / 193	183 / 193
Refrigerant System	Liquid Side / Gas Side	In.	(3/8") / (3/4")	(3/8") / (3/4")	(3/8") / (7/8")	(3/8") / (7/8")
	Refrigerant Type	--	R-32	R-32	R-32	R-32
	Factory Charge	kg/oz	2.4 / 84.7	2.4 / 84.7	3.2 / 112.9	3.2 / 112.9
	Additional Charge	oz/ft	0.32	0.32	0.32	0.32
Operating Temperatures	Cooling	°F	5 ~ 125	5 ~ 125	5 ~ 125	5 ~ 125
Shipping Per Std40hq		--	180	180	135	135