

ComfortStar®

Ductless Mini-Splits, Light Commercial and Multi-Zone Systems

Comfort... *it's in our name.*



CANADA 

ELITE | CRYSTAL | BLU SERIES

High Efficiency Heat Pumps and Light Commercial Systems



PRODUCT CATALOG



ALEGRIA SERIES

ComfortStar®

INVERTER

TECHNOLOGY

Recognized world-wide as a leader in providing reliable, energy efficient, innovative and cost-effective products

With over 50 years of combined experience, our research and development team continues to develop products that adhere to the highest quality standards, while elevating the level of efficiency to protect our precious environment.

Our manufacturing facilities maintain the highest quality and reliability standards with ISO9001 and ISO14001. All our products are AHRI and ETL certified. Across the world, we are committed to bringing daily comfort into every facet of your lives. Whether it is your home, your child's school, or your local grocery store, ComfortStar is there to ensure a pleasant environment, regardless of the climate.

Advances in INVERTER technology have made mini-split heat pump systems among the highest efficiency heating and air conditioning systems on the market today.

This technology allows us to modulate the frequency of a compressor according to the thermal load of the conditioned space; therefore, a compressor can reduce the amount of work it does to reach a desired set temperature. This results in longer compressor life-span and most importantly, a decrease in energy usage and increased energy savings.

Mini-splits are ideal when making additions to a home, since expanding existing duct work can be problematic in some situations. Ease of installation makes it very practical for light commercial applications, such as hotel rooms, office spaces, malls and hospitals.

We provide Comfort at a great value.
Comfort... it's in our name



ComfortStar®

Air conditioning and Heating
Residential Product Line

Comfort it's in our name

GAS FURNACE 96%



12201 N. W. 107th Avenue | Medley, FL 33178
Toll Free: 1-866-524-9898 | **Phone:** 1-305-500-9898
Fax: 1-305-500-9896



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GAS FURNACE 96%

FEATURES:

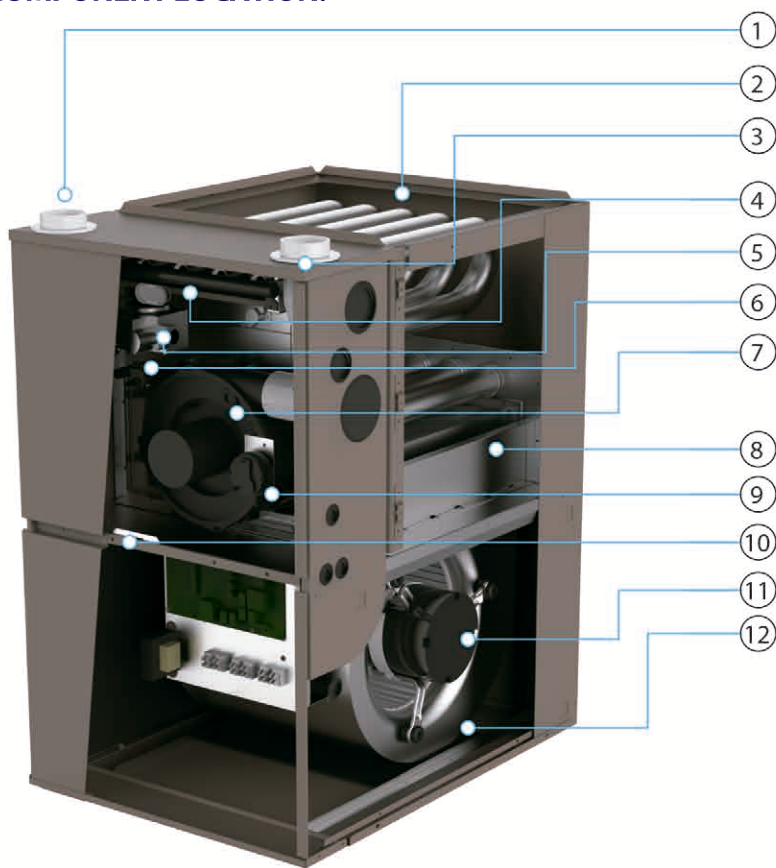
- Durable aluminized steel tubular heat exchanger.
- Stainless-steel secondary heat exchanger.
- Two-stage gas valve.
- Hot surface igniter.
- Quiet multi-speed ECM circulator blower motor.
- Control board with self-diagnostics and Low-voltage terminal block.
- Natural gas and propane (LP) convertible.
- Designed for multi-position installation: Upflow, horizontal.
- Industry-standard cabinet sizes for easy replacement, installation and add-on cooling.
- Convenient left or right connection for gas and electric service.
- Removable bottom for side or bottom return applications.





GAS FURNACE 96%

COMPONENT LOCATION:



1. Air inlet pipe joint
2. First heat exchanger
3. Air outlet pipe joint
4. Burner
5. Gas valve
6. Condensate pan
7. Induced blower and motor
8. Second heat exchanger
9. Pressure switch
10. Blower door interlock switch
11. ECM motor of circulator blower



SPECIFICATIONS

MODEL (MGH93M)	060B3B	080B3B	080C4B	100C5B	100D5B	120D5B
Conguration	Upow / horizontal flow (left-right)					
Heating Eciency(AFUE)	96%					
Dimensions (H×W×D)(in.)	28-1/2×17-1/2×33-3/4		28-1/2×21×33-3/4		28-1/2×24-1/2×33-3/4	
Net/Gross Weight(lbs)	135.5/147.5	141/153	156/169.6	162/173	169.6/181.7	174/186



96% AFUE Gas Furnace Technical Specifications

Basic Product Information				Model	96CG060B3	96CG080B3	96CG080C4	96CG100C5	96CG100D5	96CG120D5
				Fuel Type	Natural Gas/Propane Gas	Natural Gas/Propane Gas	Natural Gas/Propane Gas	Natural Gas/Propane Gas	Natural Gas/Propane Gas	Natural Gas/Propane Gas
Gas Heating Performance	AFUE		%		96	96	96	96	96	96
	Input	NG/LP(HIGH)	Btu/h		60000	80000	80000	10000	10000	120000
		NG/LP(LOW)	Btu/h		39000	52000	52000	6500	6500	78000
	Output	NG/LP(HIGH)	Btu/h		57000	76000	76000	95000	95000	0005000
		NG/LP(LOW)	Btu/h		16701	22268	222680	27835	27835	33695
			Btu/h		37000	49000	49000	62000	62000	75000
Static Pressure			°F		30-60	35-65	35-65	35-65	35-65	40-70
			°F		160	165	165	165	165	170
	Air Temperature Rise	Cooling	in. WC		0.12	0.15	0.15	0.2	0.2	0.2
	Design Max. Outlet Air Temperature	Material	in. WC		0.5	0.5	0.5	0.5	0.5	0.5
	Circulating Blower	Type								
	Design Max. Static pressure	Heating Diameter blower wheel	Inch							
Circulating Blower Data		Height blower wheel	Inch							
	Tons AC @ 0.5" ESP		tons		1.5/2/2.5/3	1.5/2/2.5/3	2.5/3/3.5/4	3.5/4/4.5/5	3.5/4/4.5/5	3.5/4/4.5/5
	Circulating Fan Motor	Motor Horsepower	HP			3/4			1	
	Air Flow (0.5 ESP in. WC)	High	CFM		1280	1271	1312	2031	2095	2127
	Air Flow (0.5 ESP in. WC)	Mid-High	CFM		1100	1071	1092	1836	1889	1907
	Air Flow (0.5 ESP in. WC)	Mid	CFM		910	886	894	1573	1609	1620
	Air Flow (0.5 ESP in. WC)	Mid-Low	CFM		690	649	625	1241	1241	1265
	Air Flow (0.5 ESP in. WC)	Low	CFM		500	539	455	820	802	814
	Motor Speeds	# speeds	settings							
		r/min								
Inducer Motor	Power Input	(High)	W							
	Power Input	(Low)	W			37±10%	63±10%		42±10%	
Combustion System Specifications	Max. Inlet Gas Press	Natural Gas	in. WC					10.5		
		Propane Gas (LP)	in. WC					13		
	Min. Inlet Gas Press	Natural Gas	in. WC					4.5		
		Propane Gas (LP)	in. WC					11		
	Natural Gas Manifold Pressure(High fire)		in. WC					3.5		
	Natural Gas Manifold Pressure(Low fire)		in. WC					1.6		
	Propane Gas Manifold Pressure(High fire)		in. WC					10		
	Propane Gas Manifold Pressure(Low fire)		in. WC					4		
	Natural Gas Factory Orifice (0-2000 feet)		#					45		
	Propane Gas (LP) Factory Orifice (0-2000 feet)		#					55		
	Gas Connection Size		in. NPT					1/2		
	Ignition Device							Hot surface		
	Number of Burners	#			3	4	4	5	5	6
	Primary Heat exchanger Diameter	Inch						1 6/8		
	Primary Heat exchanger	# tubes			3	4	4	5	5	6
	Secondary Heat Exchanger Diameter	Inch						3/8		
	Secondary Heat Exchanger	# tubes			33	33	39	39	48	48
	Flue Vent Diameter	Inch			2" / 3"	2" / 3"	2" / 3"	2" / 3"	2" / 3"	3"
Safety Switch Settings	Pressure Switch Factory Setting	(High)	in. WC					1.1		
	Pressure Switch Factory Setting	(Low)	in. WC					0.55		
	Rollout switch - resettable	Off/On	°F					300		
	Inlet High Temperature Limit switch - fixed	Off/On	°F		150/120	130/100	150/120	150/120	150/120	150/120
Electrical Data	Power supply		V/Hz/PH					115V/60HZ/1PH		
	Max Overcurrent Protection (MOP)		Amps			15			20	
	MAS Unit Amps		Amps		8	8	7.8	11.5	10.5	10.5
Cabinet Size	Cabinet Type				B	B	C	C	D	D
	Cabinet Size	Width	Inch		17.5	17.5	21	21	24.5	24.5
	Cabinet Size (DxH)	(DxH)	Inch		(28-3/4)"*(33-3/4)	(28-3/4)"*(33-3/4)	(28-3/4)"*(33-3/4)	(28-3/4)"*(33-3/4)	(28-3/4)"*(33-3/4)	(28-3/4)"*(33-3/4)
Shipping Data	Packing Dimension (without pallet)	(WxDxH)	Inch		(20)"*(31)"*(35-1/2)	(20)"*(31)"*(35-1/2)	(23-1/2)"*(31)"*(35-1/2)	(23-1/2)"*(31)"*(35-1/2)	(27)"*(31)"*(35-1/2)	(27)"*(31)"*(35-1/2)
	Packing Dimension (with pallet)	(WxDxH)	Inch		(20)"*(31)"*(40)	(20)"*(31)"*(40)	(23-1/2)"*(31)"*(40)	(23.5)"*(31)"*(40)	(27)"*(31)"*(40)	(27)"*(31)"*(40)
	Net Weight (unit only)		lbs		135	141	152	162	169.6	174
	Gross Weight (shipping weight with pallet & packaging)		lbs		162.5	168.5	184.6	194.6	205.1	209.5

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GASFURNACE 2021

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ComfortStar®

13 SEER

MAH18CD

MAH24CD

MAH30CD

MAH36CD

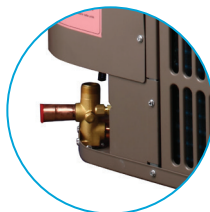
Condensing Unit
60Hz

FEATURES

- R410A chlorine-free refrigerant
- Energy-efficient compressor
- Internally protection against high temperature motor overload conditions
- High quality condenser with inner-groove copper tube and aluminum fin
- Service valves with sweat connections and easy-access gauge ports

CABINET FEATURES

- Unique sound control top design
- Compact design, easy installation and transportation
- Powder-painted galvanized steel cabinet
- Wire fan discharge grille
- Steel louver coil guard



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ComfortStar®

13 SEER

MAH18CD ■ MAH24CD ■ MAH30CD ■ MAH36CD

Condensing Unit ■ 60Hz



MODEL			MAH18CD	MAH24CD	MAH30CD	MAH36CD
Electrical	Power supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Minimum Circuit Amp	A	9	11.6	16	19.9
	Max. Overcurrent Protection	A	15	20	25	35
Cooling	Capacity	Btu/h	17500	23000	30000	34200
	SEER	Btu/h.W	13	13	13	13
	EER	Btu/h.W	/	/	/	/
Compressor	Type/Brand		Rotary/GMCC	Rotary/GMCC	Rotary/GMCC	Scroll/LG
	Power Supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Capacitor	uF	40	50	55	45
	RLA-LRA	A	6.65-32.6	8.75-34.8	12.0-59.93	15.3-70
Fan motor	Type		PSC	PSC	PSC	PSC
	Capacitor	uF	6	6	6	6
	Rated RPM	r/min	1075	1075	1075	1075
	Rated HP		1/12	1/12	1/6	1/8
	FLA		0.6	0.6	1.0	0.7
Outdoor fan	Material		Metal	Metal	Metal	Metal
	Type		Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan
	Diameter	inch	11-11/16	18-7/8	23	18-7/8
	Height	inch	4-11/16	4-5/16	4-5/8	4-5/16
Outdoor coil	Type		Plate fin	Plate fin	Plate fin	microchannel
	Tube and fin		9/32" inner groove Copper tube & non-hydrophilic Aluminium			
	Rows-F.P.I		2-17	2-17	2-17	
Outdoor air flow		m3/h	2688	2688	5098	3666
		CFM	1581	1581	2999	2156
Outdoor sound level (sound pressure level)		dB(A)	62	62	64	64
Refrigerant system	Factory charge(R410A)	lbs-oz	4-7	4-14	6-5	4-5
	Liquid side/ Suction side	inch	3/8 3/4	3/8 3/4	3/8 3/4	3/8 3/4
	Refrigerant control		/	/	/	/
Outdoor unit	Dimension(W×H×D)	mm	554×633×554	600×633×600	710×633×710	600×633×600
		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
	Packing (W×H×D)	mm	582×677×582	628×667×628	738×667×738	628×667×628
		inch	22-9/10×26-5/8×22-9/10	24-7/10×26-1/4×24-7/10	29×26-1/4×29	24-7/10×26-1/4×24-7/10
	Net/Gross weight	Kg	54/57	58/61	71/75	60/63
		lbs	119/126	128/134	156/165	132/139
Liquid side/ Gas side		inch	3/8 3/4	3/8 3/4	3/8 3/4	3/8 3/4
Shipping per STD40HQ			320	228	192	228

ComfortStar®



LIGHT COMMERCIAL SPLIT SYSTEMS

MRR & AHH series

18 SEER | 60Hz

FEATURES:

- Auto-restart
- Timer (24H)
- Turbo
- Auto Level swing
- Sleep mode (7 hour off)
- Refrigerant Leakage Detect
- Anti-cool wind
- Temp Compensation
- Dry Mode

INVERTER
WITH INVERTER TECHNOLOGY



HIGH EFFICIENCY - DUCTLESS MINI-SPLIT SYSTEMS

Model			MRR24-410	MRR36-410	MRR48-410	MRR60-410
Cooling	Capacity	Btu/h	24000	35200	48000	58000
	EER	Btu/h.W	12.5	12.2	12.5	11.7
	SEER	Btu/h.W	18	18	18	18
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Supplier		Mitsubishi	Mitsubishi	GMCC	GMCC
	RLA		13.5	18.5	23.5	27.2
	LRA		45	45	52	52
Fan Motor	Type		PSC	PSC	DC	DC
	Rated HP		1/8	1/6	1/3	1/3
	Capacitor	uF	6	6	/	/
	Rated RPM	r/min	1075	825	1050	1050
	FLA		0.8	1	2.5	2.5
Outdoor Fan	material		Metal	Metal	Metal	Metal
	Type		Axial flow	Axial flow	Axial flow	Axial flow
	Diameter	inch	23-5/8	23-5/8	23-5/8	23-5/8
	Height	inch	2-3/4	4-1/2	4-1/2	4-1/2
	Air flow	CFM	2400	2950	4100	4100
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Outdoor sound level (sound power level)			75	77	79	79
Outdoor unit	Dimension (W×H×D)	mm	740×633×740	740×633×740	740×843×740	740X843X740
		inch	29-1/8×24-15/16×29-1/8	29-1/8×24-15/16×29-1/8	29-1/8×33-3/16×29-1/8	29-1/8×33-3/16×29-1/8
	Packing (W×H×D)	mm	768X667X768	768X667X768	768X877X768	768X877X768
		inch	30-1/5×26-1/4×30-1/5	30-1/5×26-1/4×30-1/5	30-1/5×34-1/2×30-1/5	30-1/5×34-1/2×30-1/5
	Net/Gross weight	kg	61/65	67/71	87/92	87/92
Refrigerant system		lbs	134/143	148/157	192/203	192/203
	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Factory charge R410A	oz	78	114	152	163
Metering device			/	/	/	/
Operating temperatures		°C	50-118	50-118	50-118	50-118
Maximum line length		Feet	100	100	100	100
Maximum elevation difference		Feet	50	50	50	50

Model			AHH24-410	AHH36-410	AHH48-410	AHH60-410
Indoor motor	Type		ECM	ECM	ECM	ECM
	Rated HP		1/3	1/2	3/4	3/4
	Rated RPM	r/min	1050	1050	1050	1050
	FLA		2.8	4.1	6.0	6.0
Indoor fan	material		galvanized plate	galvanized plate	galvanized plate	galvanized plate
	Type		centrifugal	centrifugal	centrifugal	centrifugal
	Diameter	inch	10-5/8	11	11	11
	Height	inch	8	10-5/8	10-5/8	10-5/8
Indoor limit value of static pressure and air flow		Pa/CFM	25/800	37.5/1180	50/1560	50/1700
Indoor sound level (sound power level)		dB(A)	63	65	67	68
Throttle type	Throttle type		TXV	TXV	TXV	TXV
	Model number		3TR	3TR	4TR	5TR
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
	Minimum Circuit Ampacity		3.5	5.1	7.5	7.5
	Max. Overcurrent Protection		15	15	15	15
	Min/Max Volts			187 / 253	187 / 253	187 / 253
Indoor unit	Dimension (W*H*D)	mm	500x550x1180	560x1385x610	560x1385x610	560x1385x610
		inch	19-5/8"x46-1/2"x21-5/8"	22"x54-1/2"x24"	22"x54-1/2"x24"	22"x54-1/2"x24"
	Packing (W*H*D)	mm	644x1205x567	704x1410x627	704x1410x627	704x1410x627
		inch	22-3/5"x47-4/5"x22-7/10"	27-7/10"x55-4/5"x25"	27-7/10"x55-4/5"x25"	27-7/10"x55-4/5"x25"
	Net/Gross weight	kg	54/60	74/82	74/82	77/85
		lbs	119/132	161/178	162/180	170/188
Refrigerant piping Liquid side/ Gas side		inch	3/8 3/4	3/8 3/4	3/8 7/8	3/8 7/8

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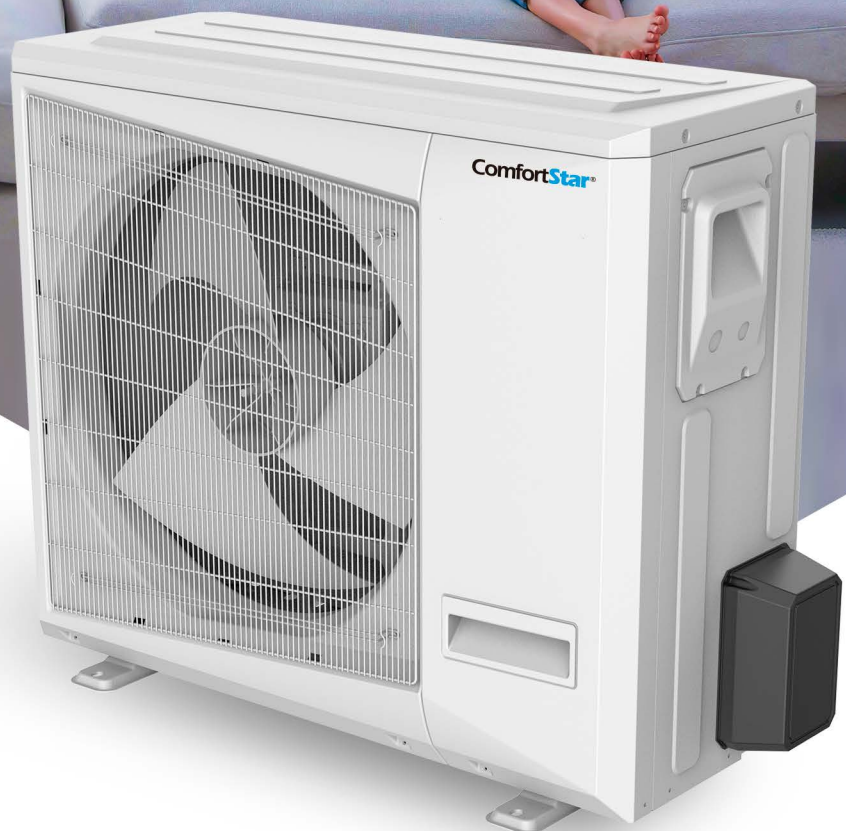
Comfort... it's
in our name

CHD Series

UP TO
14 SEER

FEATURES:

- High Efficiency Fixed Compressor
- High Efficiency Motor
- 24V Communication Connection
- Multi protections
- Wide operation temperature range
- Environment Friendly
- CCT Inner-grooved Tube
- Concealed stop valve design



HIGH EFFICIENCY - SIDE DISCHARGE CONDENSER



High Quality



High Efficiency
Motor



High Efficiency
Fixed Compress



CCT
Inner-grooved
Tube

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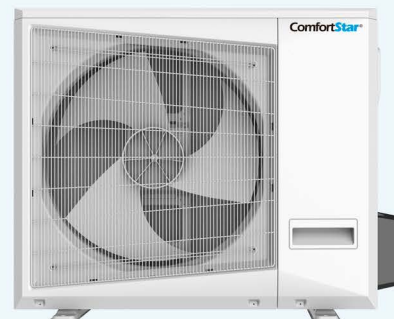
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CHD Series

Comfort...
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UP TO
14 SEER



Outdoor unit factory model			CHD12CA-14	CHD18CD-14	CHD24CD-14	CHD30CD-14	CHD36CD-14	CHD48CD-14
Cooling	Power supply	Ph-V-Hz	115V~ 60Hz, 1Ph	208/230V~ 60Hz, 1Ph	208/230V~ 60Hz, 1Ph	208/230V~ 60Hz, 1Ph	208/230V~ 60Hz, 1Ph	208/230V~ 60Hz, 1Ph
	Cooling Capacity	Btu/h	11800	17500	23400	30000	34000	48000
	SEER		14.5	14.5	14.5	14.5	14.5	14
	EER		12.2	12.2	12.2	12.2	12.2	11.7
Electrical Parameters	Max Fuse Size		15	15	15	20	25	40
	MCA		11	10	11.5	14	16	25.5
	Alternating Current Contactor		YES(a)	YES(b)	YES(c)	YES(c)	YES(c)	YES(c)
	High Pressure Switch (HPS)		HPS(a)	HPS(a)	HPS(a)	HPS(a)	HPS(a)	HPS(a)
	Discharge Temperature Switch (DTS)		DTS(a)	DTS(a)	DTS(a)	DTS(a)	DTS(a)	DTS(a)
Outdoor air flow		m3/h	1700	2720	4165	3876	3825	4400
		CFM	1000	1600	2450	2280	2250	2588
Outdoor noise level		dB(A)	52	55	59	59	59	64
Outdoor unit	Dimension(W*D*H)	mm	850×345×555	914×382×702	1015×445×810	1015×445×810	1015×445×810	1100×528×870
		in	33.5x13.6x21.9	36.0x15.0x27.6	40.0x17.5x31.9	40.0x17.5x31.9	40.0x17.5x31.9	43.31x20.79x34.25
	Packing (W*D*H)	mm	915×380×610	975×420×770	1075×495×890	1075×495×890	1075×495×890	1145×545×1015
		in	36.0x15.0x24.0	38.4x16.5x30.3	42.3x19.5x35.0	42.3x19.5x35.0	42.3x19.5x35.0	45.0x21.5x40.0
		cu in	12,960	19,198	28,870	28,870	28,870	38,700
	Net/Gross weight	Kg	34.5/37	48/52	57/61.5	64/69	64/69	90/105
		lb	76.1/94.8	105.8/114.6	125.7/135.6	141.1/152.1	141.1/152.1	198.4/231.5
CFM with rated coils		CFM	445	650	780	1080	1150	1471
Refrigerant piping	Liquid O.D. in	Inch	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
	Suction O.D. in	Inch	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"
	Max. Refrigerant Pipe Length	Ft	82	82	82	82	82	98
	Max. Refrigerant Line Elevation2	Ft	33	33	33	33	33	49
Operation Range			60~115°F	60~115°F	60~115°F	60~115°F	60~115°F	60~115°F

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