

HEAT PUMP AND AIR CONDITIONER
DUCTLESS UNITS
SINGLE AND MULTI-ZONE

UP TO 22.5 SEASONAL ENERGY-EFFICIENCY RATING
WITH INVERTER TECHNOLOGY

AMBIENT OPERATING TEMPERATURE -25° C TO 50° C

Goodman®

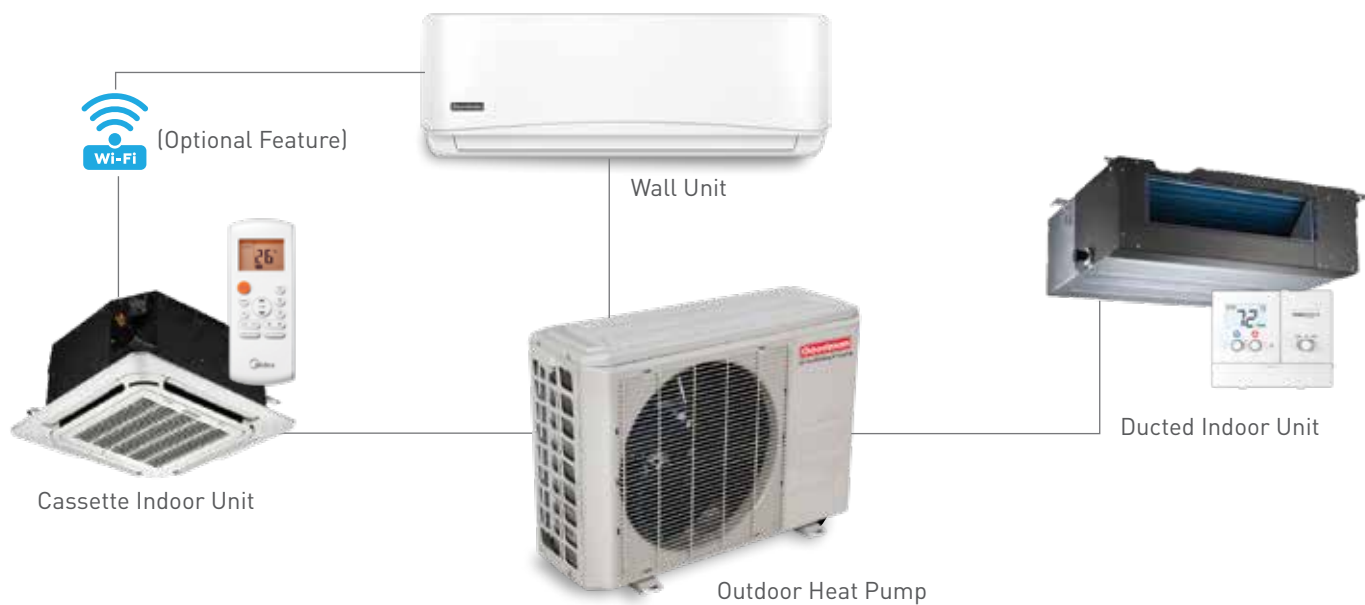
Air Conditioning & Heating

THERM LUX



Thank goodness
for Goodman.®





Enjoy whole-home comfort with a **Goodman®** brand ductless heat pump or air conditioner.

Did you know that you could heat and cool your whole house with a ductless (also called mini-split) heat pump? Ductless solutions are versatile and minimal in design, creating opportunities for personalized heating and cooling solutions.

19 SERIES Models

The 19 Series is available as an air conditioner or heat pump model. Affordable and convenient, Goodman ductless systems offer quiet operation that will help enhance every day comfort.

21 SERIES, Single and Multi-Zone Models












The 21 Series models are designed to help provide an energy-efficient and affordable solution to help ensure year-round indoor comfort. Technologically advanced "Inverter" technology offers superior comfort while saving energy. The heat pump will even help keep you comfortable when the outside temperature is as low as - 25° C. The 21 Series also provide the ability to heat or cool up to four spaces independently with one outdoor unit.

Goodman® is one of the biggest names in home cooling, heating and energy-efficient home comfort.

So, no matter where you live or whether your home is small or large, Goodman probably has a solution to help keep your home comfortable.

Energy-Efficient

Goodman branded units are built with the variable-speed Inverter technology to gradually regulate indoor temperatures that may help to provide efficient and even temperature control all year long. They are an energy efficient and flexible solution to help regain control of your indoor comfort and help address a variety of heating and cooling challenges. With duct work not required, the conditioned air is delivered to you directly.

	19 Series	21 Series
 Cold Catalyst Filter – Absorbs harmful particles like formaldehyde and ammonia	•	•
 Turbo Mode – Helps to increase the heat pump's capacity to achieve desired temperature quickly	•	•
 Quiet Mode – Non-intrusive operation of the indoor unit by removing sounds and display	•	•
 Follow Me – Improved accuracy may be obtained by making your heat pump's remote act as the sensor. (Available on HP models only)	•	
 Low temperature capacity – Unit has the ability to work in outdoor cold temperatures down to -25C (Available on HP models only)		•
 Aluminum heat exchanger with hydrophilic coating – The unit's heat exchanger will not allow mold or bacteria to form by helping to remove water drops.	•	•
 Anti-Cold – Preheat mode preheats indoor air for increased comfort	•	•
 Refrigerant Leakage Detection – Indoor unit has the ability to notify homeowner if there is a leak in the system.	•	•
 Louver Memory – Remembers your previous louver position, so you get the same louver angle consistently	•	•
 Auto-Restart – Equipped with auto-restart after a power loss	•	•
 1W Standby – This intelligent on-off technology enables the ductless units to automatically enter energy-saving mode when on standby, cutting energy consumption from the normal 5W to 1W.	•	•

21 SERIES | MULTI-ZONE HEAT PUMP

ENERGY-EFFICIENCY RATING UP TO 22.5 SEER
AMBIENT OPERATING TEMPERATURE -25° C to 50° C



OUTDOOR UNIT			MST183E21MCAA ¹	MST273E21MCAA ¹	MST363E21MCAA ²
INDOOR UNIT			See indoor models in single-zone section (wall mount, duct, cassette)		
NUMBER OF ZONES			2	3	4
Cooling	Capacity	Btu/h	17,000	27,000	36,000
	COP	Btu/w	12.5	12.0	10.9
	SEER		21.3	22.0	22.5
Heating @ 8° C	Capacity	Btu/h	18,000	28,000	36,000
	COP	W/W	3.7	3.7	3.1
	HSPF4	Btu/w	10.0	9.8	10.3
	HSPF5		8.6	8.0	9.0
Heating @ -15° C	Maximum Capacity	Btu/w	14,200	20,900	28,800
Electricity	Minimum Circuit Ampacity	A	18	25	30
	Max Fuse		25	35	45
	Power Supply	V-Hz-Ph	208-230V-60Hz, 1Ph		
	Wiring		14AWG*4 Stranded, Unshielded		
Outdoor Speed (High / Med / Low)		RPM	850 / 450 / 150	1,000 / 400 / 150	1,000 / 400 / 150
Outdoor Air Flow (High / Med / Low)		CFM	1,390	2,130	2,130
Outdoor Sound Level (High / Med / Low)		dB(A)	62.4	63.4	62.3
Outdoor Unit Dimensions (W x D x H)		in	33.27 x 14.29 x 27.64	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89
Refrigerant	Type	oz	R410A / 70.5	R410A / 98.8	R410A / 105.8
	Precharge	ft	49.2	73.8	98.4
	Additional Charge Per Feet	oz	0.161	0.161	0.161
Piping	Liquid Side / Gas Side	in	{2x1/4} / {2x3/8}	{3x1/4} / {3x3/8}	{4x1/4} / {3x3/8}+{1x1/2}
	Max Pipe Length For All Rooms	ft	131	197	262
	Max Pipe Length Per Unit		82	98	115
	Max Level Difference Between Indoor & Outdoor Unit		49		
	Max Level Difference Between Indoor Units		33		
Outdoor Ambient Operation Temperature		° C	-25 ~ 50 Cooling / -25 ~ 30 Heating		
Design Pressure		PSIG	550 / 340		

¹ This product meets ENERGY STAR® requirements when appropriate combination of indoor and outdoor units is used.
Ask your contractor for details or visit www.energystar.gov.

² The MST363E21MCA isn't ENERGY STAR® Certified

RECOMMENDED MULTI-ZONE COMBINATIONS					
OUTDOOR UNITS			INDOOR UNITS (1000 btu/h)		
MODEL NUMBER	CAPACITY	STANDARD COMBINATIONS	2 ZONES	3 ZONES	4 ZONES
MST183E21MCAA	18,000 BTU/H	Wall mount and ducted 9 + 9	9 + 9	-	-
			9 + 12		
			12 + 12		
MST273E21MCAA	27,000 BTU/H	Wall mount and ducted 9 + 9 + 9	9 + 9	9 + 9 + 9	-
			9 + 12	9 + 9 + 12	
			9 + 18	9 + 9 + 18	
			12 + 12	9 + 12 + 12	
			12 + 18	12 + 12 + 12	
MST363E21MCAA	36,000 BTU	Wall mount and ducted 9 + 9 + 9	18 + 18		9 + 9 + 9 + 9 9 + 9 + 9 + 12 9 + 9 + 9 + 18 9 + 9 + 12 + 12 9 + 9 + 12 + 18 9 + 12 + 12 + 12 12 + 12 + 12 + 12 12 + 12 + 18 12 + 12 + 24 12 + 18 + 18
			9 + 9	9 + 9 + 9	
			9 + 12	9 + 9 + 12	
			9 + 18	9 + 9 + 18	
			9 + 24	9 + 12 + 12	
			12 + 12	9 + 12 + 18	
			12 + 18	9 + 18 + 18	
			12 + 24	12 + 12 + 12	
			18 + 18	12 + 12 + 18	

ONCE YOU CHOOSE THE **GOODMAN® BRAND**, YOU'LL PROBABLY BE A FAN FOR LIFE.



Millions across North America are big fans already.

Once you choose a **Goodman** brand,
you'll probably be a big fan, too!

See why others are saying, "**Thank Goodness for Goodman®.**"

For complete information on the **Goodman** brand, be certain to contact: your local distribution branches.

Ductless heat pumps exclusively available at the following three Goodman Distribution branches:



Goodman Distribution Branch
965 Rue Bergar
Laval, QC, H7L 4Z6
T: 450-681-2220

Goodman Distribution Branch
2640 Boul. Jacques Cartier est
Longueuil, Quebec, J4N 1P8
T: 450-674-3883

Goodman Distribution Branch
155 rue Fortin, suite 140
Québec, Qc, G1M 3M2
T: 418-478-3495



* Complete warranty details available from your local dealer
or Goodman branches

Extended service plans available

For even greater peace of mind contact your Goodman
Distribution branch for more details on Prime, an affordable
Parts and/or labor Extended Service
Plan for your **Goodman** brand
HVAC system coverage.



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Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company. It is a worldwide leader for residential and commercial HVAC. DIL is engaged primarily in the development, manufacture, sale, and aftermarket support of heating, ventilation, air conditioning and refrigeration equipment, refrigerants and other chemicals, as well as oil hydraulic products. DIL is headquartered in Osaka, Japan.

The company provides innovative, premium quality indoor climate management solutions to meet the changing needs of residential, commercial, and industrial customers.



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