



**Franklin**<sup>®</sup>  
Air Conditioning & Heating

**FRANKLIN**<sup>®</sup>  
DUCTLESS HEAT PUMP  
SOLUTIONS  
SINGLE and MULTI-ZONE

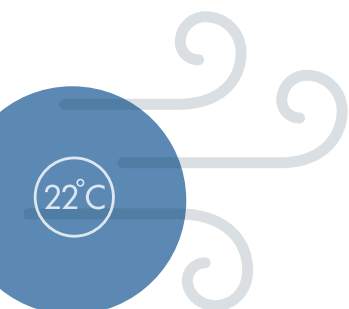


**Cooling** Performance  
up to 26.3 SEER  
**Heating** Performance  
down to -30°C

Flexible and efficient, ductless **Franklin** brand HVAC systems help keep you comfortable year-round.

**Franklin** brand air conditioning and heating ductless products offer personalized energy efficiency, performance and control to indoor heating and cooling. It is easy to keep everyone in your house comfortable without spending a fortune on energy bills.

Who doesn't want precise comfort in one room or your whole home – while saving on energy bills?





### All In One, Flexible and Functional

If you are looking for a full array of ductless products, look to **Franklin**® brand. **Franklin** ductless products combine high-performance, top tier energy ratings, quiet operation, and user-friendly features all in one tidy system. Units offer the flexibility to accommodate changing needs over time. Whether you're adding a new room for a baby, or expanding space in your empty nest, these ductless units offer flexibility and functionality without blowing your budget.

**Cooling** Performance  
up to 26.3 SEER

**Heating** Performance  
up to 12.5 HSPF



Indoor Wall Mounted Unit  
and Remote Control



Outdoor Single- and Multi-Split Units


















## Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

RELIABILITY.  
EFFICIENCY.  
AVAILABILITY.



## FEATURES

	AUTO-RESTART	Equipped with auto-restart after a power loss
	TURBO MODE	Helps to increase the air conditioner's capacity to achieve desired temperature quickly
	SELF CLEAN MODE	The units keep the indoor evaporator clean to avoid build-up.
	SLEEP MODE	Helps reduce capacity to achieve low noise level
	FOLLOW ME	Improved accuracy may be obtained by making your AC's remote act as the sensor.
	DO NOT DISTURB MODE	Removes sounds and display for non intrusive use while indoor unit is operating
	ANTI-COLD	Preheats the indoor air in heating mode for increased comfort
	EMERGENCY	Capable of maintaining operation if there is an error with one of the sensors
	FROST PROTECTION	Helps maintain a minimum level of heating to prevent your home from getting uncomfortably cold
	LOUVER MEMORY	Remembers your previous louver position, so you get the same louver angle consistently
	REFRIGERANT LEAKAGE NOTIFICATION	Indoor unit has the ability to notify homeowner if there is a leak in the system.
	LED DISPLAY	Displays temperature set-point, modes and codes
	COMPRESSOR PROTECTION	Prolongs compressor life by pre-starting the outdoor unit to avoid over-surfing the system with refrigerant
	CRANKCASE HEATERS	Heating cables help unit's performance during heating modes.
	INVERTER TECHNOLOGY AND ENERGY SAVINGS	This technology is flexible, versatile and offers high levels of efficiency and comfort.

# Single Zone

Indoor			MSH093E23AXAA*	MSH123E23AXAA*	MSH183E23AXAA*
Outdoor			MSH093E23MCAA*	MSH123E23MCAA*	MSH183E23MCAA*
NEEP Cold Climate Air Source Heat Pump List**			Yes	Yes	Yes
Power Supply		Ph-V-Hz	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
Cooling	Rated Capacity (Min.–Max.)	Btu/h	9000 (3300–13500)	12000 (3300–14300)	17000 (8400–19600)
	Input	W	577	890	1360
	Rated current	A	2.6	3.86	6.0
	EER	Btu/w	15.6	13.5	12.5
	SEER	Btu/w	26.3	24.5	20.5
Heating at 47° F (8.3° C)	HSPF IV***	Btu/Wh	12.5	12.5	11
	Rated Capacity (Min.–Max.)	Btu/h	11500 (5600–15500)	12000 (5000–14300)	18000 (12000–20900)
	Input	W	920	925	1760
	Rated current	A	4.1	4.1	
	COP	W/W	3.66	3.80	3.00
Minimum Circuit Ampacity (Outdoor Unit)		A	9	9	18
Max. Fuse		A	15	15	25
Compressor	Capacity	Btu/h	11157	11157	24293
	Input	W	830	830	1895
Indoor	Air Flow (Hi/Mi/Lo)	CFM	370/268/196	371/274/198	530/410/295
	Noise Level (Hi/Mi/Lo)	dB(A)	41.7/33.4/26.5	45.1/35.8/28.6	46.2/36.3/30.9
	Dimension (W x D x H)	inch	32.87x 7.80 x 11.02	32.87 x 7.80 x 11.02	38.98 x 8.58 x 12.40
	Net/Gross Weight	lbs.	19.84/25.35	19.84/26.68	26.89/34.83
Outdoor	Air Flow	CFM	1323.5	1323.5	1765
	Noise Level	dB(A)	54.5	56	59
	Dimension (WXDXH)	inch	31.69 x 12.99 x 21.81	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.50
	Net/Gross Weight	lbs.	74.07/80.25	74.07/80.25	100.97/108.03
Refrigerant Type and Charge		oz	R410A/41.62	R410A/41.62	R410A/65.2
Refrigerant Pre-charge		ft	25	25	25
Additional Charge for each ft		oz	0.161	0.161	0.161
Design Pressure		PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Refrigerant Piping	Liquid Side/Gas Side	inch	1/4" & 3/8"	1/4" & 1/2"	1/4" & 1/2"
	Max. Refrigerant Pipe Length	ft	82	82	98
	Max. Difference in Level	ft	33	33	66
Thermostat Type			Remote Control	Remote Control	Remote Control
Operation Temperature	Indoor(Cooling/Heating)	° C	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor (Cooling/Heating) –Optional	° C	-30~50/-30~30	-30~50/-30~30	-30~50/-30~30

\* Consult AHRIDIRECTORY.ORG for the latest Performance Data (SEER, EER, HSPF and capacities). Subject to change without notice.

\*\* Consult NEEP website for current list: <https://neep.org/high-performance-air-source-heat-pumps/ccashp-specification-product-list>. Subject to change without notice.

\*\*\* Please visit NRCAN's searchable database for the corresponding HSPF Region V ratings:  
[https://oe.e.nrcan.gc.ca/pml-lmp/index.cfm?action=app.search-recherche&appliance=HP\\_SS](https://oe.e.nrcan.gc.ca/pml-lmp/index.cfm?action=app.search-recherche&appliance=HP_SS)

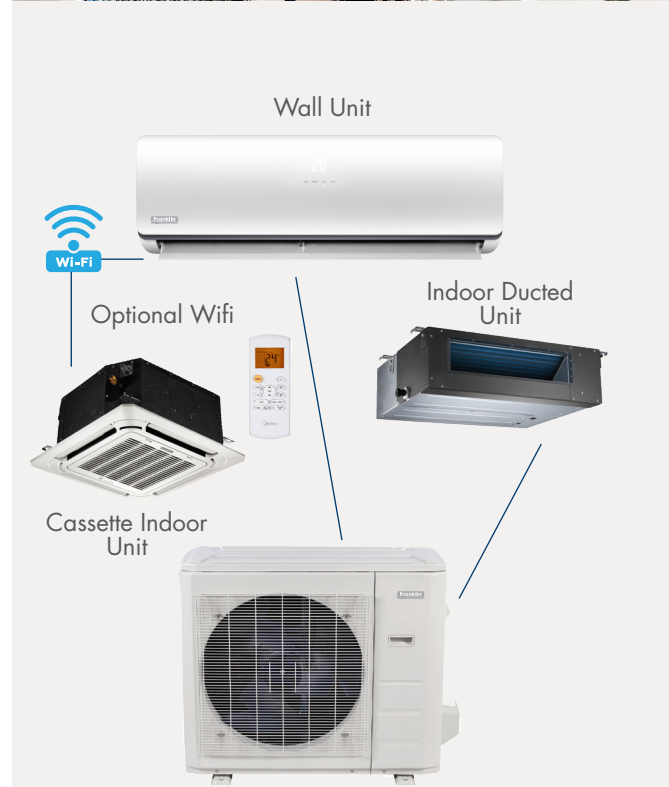


MSH243E23AXAA*	MSH303E23AXAA*	MSH363E23AXAA*
MSH243E23MCAA*	MSH303E23MCAA*	MSH363E23MCAA*
Yes	No	No
208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
24000 (7200-26000)	30000	36000
1846	2605	4185
8.3	11.5	18.5
13	11.5	8.6
21	19.8	16
12	9.4	8.5
26000(12300-32000)	30000	36000
2540	3410	4135
10.9	15.0	18.3
3.00	2.58	2.55
20	20	25
30	30	35
24293	25931	25931
1895	2085	2085
695/624/485	677/589/471	677/589/471
51.7/44.5/35.1	49/42/37.5	48.5/44/38
46.69 x 10.16 x 13.39	46.69 x 10.16 x 13.39	46.69 x 10.16 x 13.39
39.9/53.6	40.12/50.26	40.12/50.26
2235	2354	2354
62	59	59
37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89
134.48/144.4	135.58/148.81	135.58/148.81
R410A/91.7	R410A/90.7	R410A/120
25	25	25
0.322	0.322	0.322
550/340 PSIG	550/340 PSIG	550/340 PSIG
3/8" & 5/8"	3/8" & 5/8"	3/8" & 5/8"
164	164	213
82	82	98
Remote Control	Remote Control	Remote Control
17~32/0~30	17~32/0~30	17~32/0~30
-30~50/-30~30	-15~50/-15~30	-15~50/-15~30

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QUALITY YOU CAN DEPEND ON

# OUTDOOR MULTI-ZONE

Outdoor Model		MST183E23MHAA*	MST303E23MHAA*	MST363E23MHAA*	
Zones		2	3	4	
Indoor Compatibility	Wall Mount	MSH-3E23AXAA	MSH-3E23AXAA	MSH-3E23AXAA	
	Slim Duct	MST-3E20ACAA	MST-3E20ACAA	MST-3E20ACAA	
	Cassette	MST-3E21ADAA	MST-3E21ADAA	MST-3E21ADAA	
NEEP Cold Climate Air Source Heat Pump List**		Yes	Yes	Yes	
Power Supply		Ph-V-Hz	208-230V, 60Hz, 1Ph		
Cooling	Rated Capacity (non-ducted)	Btu/h	19000	28000	36000
	Rated Capacity (all ducted)	Btu/h	18500	28000	36000
	Rated Capacity (mixed)	Btu/h	18700	27600	36000
	EER (non-ducted)	Btu/Wh	12.50	13.00	13.50
	EER (all ducted)	Btu/Wh	11.50	11.00	11.30
	EER (mixed)	Btu/Wh	12.00	11.95	12.40
	SEER (non-ducted)	Btu/Wh	21.5	22.00	21.50
	SEER (all ducted)	Btu/Wh	19.00	21.00	19.00
	SEER (mixed)	Btu/Wh	20.50	20.65	20.25
Heating	Rated Capacity @ 47° F (non-ducted)	Btu/h	20000	28000	36000
	Rated Capacity @ 47° F (all ducted)	Btu/h	19000	28400	37000
	Rated Capacity @ 47° F (mixed)	Btu/h	19500	28600	36400
	Rated Capacity @ 17° F (non-ducted)	Btu/h	12000	18000	23200
	Rated Capacity @ 17° F (all ducted)	Btu/h	11000	16600	24600
	Rated Capacity @ 17° F (mixed)	Btu/h	11500	17300	23800
	HSPF IV*** (non-ducted)	Btu/Wh	10	10.4	10.5
	HSPF IV*** (all-ducted)	Btu/Wh	9.8	10	11
	HSPF IV*** (mixed)	Btu/Wh	10	9.98	10.75
Minimum Circuit Ampacity		A	20	30	35
Max.Fuse		A	25	45	50
Outdoor	AirFlow	CFM	2129.41	2147.06	4500.00
	Noise Level	dB(A)	61	62.3	64
	Dimension (W x D x H)	inch	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.48 x 16.34 x 52.48
	Net/Gross Weight	lbs.	138.23/149.03	156.53/167.55	223.77/255.07
Refrigerant/ Piping	Type	oz	R410A/91.7	R410A/105.8	R410A/162.3
	Precharge	ft	49	74	98
	Additional Charge per ft.	oz	0.161 for 1/4" liquid pipe 0.322 for 3/8" liquid pipe	0.161 for 1/4" liquid pipe 0.322 for 3/8" liquid pipe	0.161 for 1/4" liquid pipe 0.322 for 3/8" liquid pipe
	Liquid side	inch	2 (1/4)	3 (1/4)	4 (1/4)
	Gas side	inch	2 (3/8)	3 (3/8)	3 (3/8) + 1 (1/2)
	Max. Length for all Rooms	ft	131	197	262
	Max. Length for one Indoor Unit	ft	82	98	115
	Max. Height Difference Between Outdoor and Indoor	ft	49	49	49
Max. Height Difference Between Indoor Units	ft	33	33	33	
Ambient Temperature	Cooling	°C	-30~50	-30~50	-30~50
	Heating	°C	-30~30	-30~30	-30~30

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[https://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.search-recherche&appliance=HP\\_SS](https://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.search-recherche&appliance=HP_SS)

# INDOOR MULTI-ZONE

Compatible Indoor Unit Dimensions & CFM

Type	BTU	Model	Decibel	CFM	Width (inches)	Depth (inches)	Height (inches)
Wallmount	9000	MSH093E23AXAA*	41.7/33.4/26.5	370/268/196	32.87	7.80	11.02
	12000	MSH123E23AXAA*	45.1/35.8/28.6	371/274/198	32.87	7.80	11.02
	18000	MSH183E23AXAA*	46.2/36.3/30.9	530/410/295	38.98	8.58	12.40
	24000	MSH243E23AXAA*	51.7/44.5/ 35.1	695/624/485	46.69	10.16	13.39
Cassette	12000	MST123E20ACAA*	43/39/36	379/309/261	22.44	22.44	10.24
	18000	MST183E20ACAA*	43/39/36	560483/415	22.44	22.44	10.24
Slim Duct	12000	MST123E21ADAA*	38/26/33.5	353/283/177	27.56	17.72	7.87
	18000	MST183E21ADAA*	39/37/35	530/450/371	34.65	28.53	8.27
	24000	MST243E21ADAA*	44/41/38	776/694/435	43.00	30.00	10.00

# OUTDOOR MATCH-UPS

Outdoor Units	Indoor Units			
Model Number	Capacity	2 Zones	3 Zones	4 Zones
MST183E23MHAA*	18 000 BTUH	9 + 9		
		9 + 12		
		12 + 12		
MST303E23MHAA*	28 000 BTUH	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	
MST363E23MHAA*	36 000 BTUH	18 + 18		
		9 + 9	9 + 9 + 9	9 + 9 + 9 + 9
		9 + 12	9 + 9 + 12	9 + 9 + 9 + 12
		9 + 18	9 + 9 + 18	9 + 9 + 9 + 18
		9 + 24	9 + 12 + 12	9 + 9 + 12 + 12
		12 + 12	9 + 12 + 18	9 + 12 + 12 + 18
		12 + 18	9 + 18 + 18	9 + 12 + 12 + 12
		12 + 24	12 + 12 + 12	12 + 12 + 12 + 12
		18 + 18	12 + 12 + 18	
		12 + 12 + 24		
		12 + 18 + 18		

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COMFORT.  
SAVINGS.  
PERFORMANCE.



## Outstanding warranty\* protection



\* Complete warranty details available from your local dealer or Goodman branches in the province of Quebec.

## 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 Franklin brand HVAC system coverage.





# Never heard of the **Franklin**® brand?

## We're not surprised.

Many homeowners are not aware of the brand or efficiency level of their heating and cooling system. As long as the system is operating and providing reliable heating and cooling everything is fine. Then one day the system stops working. And that's the same day that homeowners briefly reacquaint themselves with their heating and cooling unit!

You may not have heard about the **Franklin** brand of residential heating and cooling systems because the brand is not a nationally advertised brand. In addition, most homeowners purchase a ductless heating and cooling system just once or twice in their lifetime. Even though you may not have heard of the **Franklin** brand you can rest assured that all **Franklin** brand products are hard working, and are designed to deliver energy-efficient performance for many, many years.

Your local heating and cooling contractor has access to many brands that they can offer, so when they recommend the **Franklin** brand you should know that they have determined that this brand is the best for you, your family and your home.



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

Ductless heat pumps exclusively available at the following 3 Goodman Distribution branches:



GOODMAN DISTRIBUTION, INC.

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

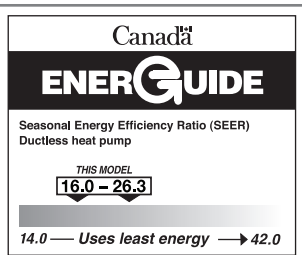
Goodman Distribution Branch  
155 rue Fortin, suite 140  
Québec, Qc, G1M 3M2  
T: 418-478-3495



Northeast Energy Efficiency Partnerships



Globally Recognized. Industry Respected.



Our continuing commitment to quality products may mean a change in specifications without notice.  
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