



FRANKLIN®
DUCTLESS HEAT PUMP
SOLUTIONS
SINGLE and MULTI-ZONE

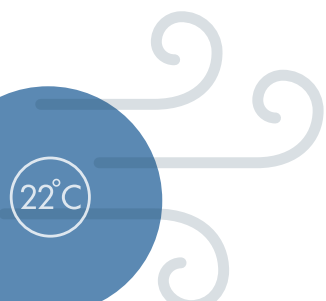


Cooling Performance
Up to 28.1 SEER2
Heating Performance
down to -30°C

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 28.1 SEER2

Heating Performance
Up to 11.5 HSPF2



Indoor Wall Mounted Unit



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

	MULTIPLE INDOOR FAN SPEED SETTING	Indoor unit offers different fan speed settings
	ADVANCED INDOOR FAN SPEED SETTING DC MOTOR ALLOWS ADDITIONAL FAN SPEEDS (1% TO 100%)* QUICKLY	DC motor allows additional fan speeds (1% to 100%)* quickly
	HORIZONTAL SWING	Swing up and down automatically
	VERTICAL SWING	Swing left and right automatically
	LOUVER POSITION MEMORY	Remembers your previous louver position so you get the same angle
	AUTO RESTART	Equipped with auto-restart after a power loss
	FOLLOW ME	Increase precision by setting the remote controller as the thermostat**
	COMPRESSOR PREHEATING	Automatic preheat when outdoor temperature is low
	DRAIN PAN HEATER	Outdoor unit is equipped with drain pan heaters for cold climates*
	REFRIGERANT LEAKAGE DETECTION	Indoor unit has the ability to notify homeowner if there is a leak in the system.
	ANTI-COLD AIR	Preheat the indoor air in heating mode for increased comfort
	ECO	In low demand - reduce the capacity of your air conditioner to reduce consumption
	TURBO	Increase the capacity of your air conditioner to achieve your temperature quickly
	SLEEP	Save energy while you sleep by changing the setpoint by 2C
	SILENT	Reduces the fan speed of the indoor unit to a minimum
	TIMER	Sets the amount of timer after which the unit will automatically turn on/off
	GOLDEN FIN	Special anti-corrosion coating of the heat exchanger
	LED	Displays temperature set-point, modes and codes.

* Some models may differ

** 8 meters is the maximum distance with direct view between remote and indoor



Single Zone

Indoor			MSH093F25AXAA	MSH123F25AXAA	MSH183F25AXAA
Outdoor			MSH093F25MCAA	MSH123F25MCAA	MSH183F25MCAA
AHRI Certification Number			214383433	214383434	214383435
Power Supply		Ph-V-Hz	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
Cooling	Rated Capacity (Min.-Max.)	Btu/h	9,000 (3320~14398)	12,000 (3620~14146)	18,000 (6574~19127)
	Input	W	556	857	1440
	Rated current	A	2.5	3.72	6.3
	EER2	Btu/w	16.2	14	12.5
	SEER2	Btu/w	28.1	25.5	21.5
Heating at 47° F (8.3° C)	HSPF2 IV***	Btu/Wh	11.5	10.4	11.3
	Rated Capacity (Min.-Max.)	Btu/h	12,000 (5070~15296)	12,000 (3920~15613)	18,000 (8417~23211)
	Input	W	907	907	1700
	Rated current	A	4.1	4.1	7.3
	COP	W/W	3.81	3.88	3.1
Heating at 17° F (-8.3° C)	Rated Capacity	Btu/h	9500	10000	15000
Heating at 5° F (-15° C)	Rated Capacity		10600	12000	18000
Minimum Circuit Ampacity (Outdoor Unit)		A	15	15	20
Max. Fuse		A	15	15	25
Indoor	Air Flow (Turbo/Hi/Med/Lo)	CFM	382/335/229/176	382/335/229/176	635/523/376/305
	Noise Level (Hi/Mi/Lo)	dB(A)	38/33.5/23.5	38/33.5/23.5	46/42/24
	Dimension (W x D x H)	inch	33.40x9.18x11.76	33.40x9.18x11.76	40.06x9.72x12.60
	Net/Gross Weight	lbs.	10.3/13.1	10.4/13.1	12.3/16.2
Outdoor	Air Flow	CFM	1323.53	1323.53	1764.71
	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	73.63/79.37	100.97/108.03
Refrigerant Type and Charge		oz	R410A/41.62	R410A/41.62	R410A/65.26
Refrigerant Pre-charge		ft	25	25	25
Additional Charge for each ft		oz	0.16	0.16	0.16
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	Indoor(Cooling/Heating)	° C	16~32/0~30	16~32/0~30	16~32/0~30
Temperature	Outdoor (Cooling/Heating) -Optional	° C	-30~50/-30~24	-30~50/-30~24	-30~50/-30~24

* Consult AHRIDIRECTORY.ORG for the latest Performance Data (SEER2, HSPF2, EER2 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://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.search-recherche&appliance=HP_SS

MSH243F25AXAA	MSH303E23AXAA*	MSH363E23AXAA*
MSH243F25MCAA	MSH303E23MCAA*	MSH363E23MCAA*
214383436	206764066	206764067
208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph	208-230V~60Hz, 1Ph
24,000 (8236~26934)	30000	36000
1845	2605	4185
8.1	11.5	18.5
13	11.5	8.6
21.5	18.2	16
11.4	7.5	7.5
29,000 (8673~30995)	30000	36000
2500	3410	4135
10.9	15	18.3
3.4	2.58	2.55
21200	18500	
25000	N/A	N/A
25	20	25
35	30	35
718/611/414/318	677/589/471	677/589/471
46/39/34	49/42/37.5	48.5 /44/38
46.85x11.20x14.59	46.69 x 10.16 x 13.39	46.69 x 10.16 x 13.39
19.8/24.9	40.12/50.26	40.12/50.26
2235.29	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/91.71	R410A/90.7	R410A/120
25	25	25
0.32	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
16~32/0~30	17~32/0~30	17~32/0~30
-30~50/-30~24	-15~50/-15~30	-15~50/-15~30

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



QUALITY YOU CAN DEPEND ON

OUTDOOR MULTI-ZONE

Outdoor Model			MST183F25MHAA	MST273F25MHAA	MST363F25MHAA	MST483F25MHAA
Zones			2	3	4	5
Indoor Compatibility	Wall Mount		MSH-3F25AXAA	MSH-3F25AXAA	MSH-3F25AXAA	MSH-3F25AXAA
	Slim Duct		MST-3E20ACAA	MST-3E20ACAA	MST-3E20ACAA	MST-3E20ACAA
	Cassette		MST-3E21ADAA	MST-3E21ADAA	MST-3E21ADAA	MST-3E21ADAA
AHRI Certification Number	Non-Ducted		214383439	214383442	214383445	214383448
	All Ducted		214383440	214383443	214383446	214383449
	Mixed Duct. & Non-Ducted		214383441	214383444	214383447	214383450
Power Supply		Ph-VHz	208-230V, 60Hz , 1Ph			
Cooling	Rated Capacity (non-ducted)	Btu/h	19000	27000	36000	48000
	Rated Capacity (all ducted)	Btu/h	19000	27000	36000	47000
	Rated Capacity (mixed)	Btu/h	19000	27000	36000	47500
	EER2 (non-ducted)	Btu/Wh	12.5	12.2	12.5	11.7
	EER2 (all ducted)	Btu/Wh	12	11.8	12	11.7
	EER2 (mixed)	Btu/Wh	12.25	12	12.25	11.7
	SEER2 (non-ducted)	Btu/Wh	22	21.8	22.4	21.8
	SEER2 (all ducted)	Btu/Wh	19	19	19.4	20.9
	SEER2 (mixed)	Btu/Wh	20.5	20.4	20.9	21.35
Heating	Rated Capacity @ 47° F (non-ducted)	Btu/h	20000	27000	36000	49000
	Rated Capacity @ 47° F (all ducted)	Btu/h	20000	27000	36000	49000
	Rated Capacity @ 47° F (mixed)	Btu/h	20000	27000	36000	49000
	Rated Capacity @ 17° F (non-ducted)	Btu/h	15000	23000	27400	36000
	Rated Capacity @ 17° F (all ducted)	Btu/h	16000	23000	30000	36000
	Rated Capacity @ 17° F (mixed)	Btu/h	15500	23000	28600	36000
	HSPF2 IV*** (non-ducted)	Btu/Wh	9.8	10	10.9	9.8
	HSPF2 IV*** (all-ducted)	Btu/Wh	9.3	10	10	8.9
	HSPF2 IV*** (mixed)	Btu/Wh	9.55	10	10.45	9.35
Minimum Circuit Ampacity		A	20	30.5	36	42
Max.Fuse		A	25	40	50	50
Outdoor	AirFlow	CFM	2129.41	2147.06	3035.29	4500
	Noise Level	dB(A)	61	62	65	65
	Dimension (W x D x H)	inch	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	38.58 x 16.34 x 38.39	37.48 x 16.34 x 52.48
	Net/Gross Weight	lbs.	138.23/149.03	164.90/177.47	213.85/246.92	238.32/269.84
Refrigerant/Piping	Type	oz	R410A/91.7	R410A/134	R410A/148	R410A/162
	Precharge	ft	25 x 2	25 x 3	25 x 4	25 x 5
	Additional Charge per ft.	oz	0.16 for 1/4" liquid pipe 0.32 for 3/8" liquid pipe	0.16 for 1/4" liquid pipe 0.32 for 3/8" liquid pipe	0.16 for 1/4" liquid pipe 0.32 for 3/8" liquid pipe	0.16 for 1/4" liquid pipe 0.32 for 3/8" liquid pipe
	Liquid side	inch	2 (1/4)	3 (1/4)	4 (1/4)	5 (1/4)
	Gas side	inch	2 (3/8)	2 (3/8) + 1 (1/2)	2 (3/8) + 2 (1/2)	3 (3/8) + 2 (1/2)
	Max. Length for all Rooms	ft	131	197	262	262
	Max. Length for one Indoor Unit	ft	82	98	115	115
	Max. Height Difference Between Outdoor and Indoor	ft	49	49	49	49
	Max. Height Difference Between Indoor Units	ft	33	33	33	33
Ambient Temperature	Cooling	°C	-15~50		-30~50	-15~50
	Heating	°C	-30~24			

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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	MSH093F25AXAA	38/33.5/23.5	382/335/229/176	33.4	9.18	11.76
	12000	MSH123F25AXAA	38/33.5/23.5	382/335/229/176	33.4	9.18	11.76
	18000	MSH183F25AXAA	46/42/24	635/523/376/305	40.06	9.72	12.6
	24000	MSH243F25AXAA	46/39/34	718/611/414/318	46.85	11.2	14.59
Cassette	12000	MST123E20ACAA*	43/39/36	379/309/261	22.44	22.44	10.24
	18000	MST183E20ACAA*	43/39/36	560/483/415	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	30	10

OUTDOOR MATCH-UPS

Outdoor Units	Indoor Units				
Model Number	Capacity	2 Zones	3 Zones	4 Zones	5 Zones
MST183F25MHAA*	20 000 BTUH	9 + 9			
		9 + 12			
		9 + 18			
		12 + 12			
		12 + 18			
		18 + 18			
MST273F25MHAA*	27 000 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		
		18 + 18			
MST363F25MHAA*	36 000 BTUH		9 + 9 + 9	9 + 9 + 9 + 9	
			9 + 9 + 12	9 + 9 + 9 + 12	
		9 + 18	9 + 9 + 18	9 + 9 + 9 + 18	
		9 + 24	9 + 9 + 24	9 + 9 + 9 + 24	
		12 + 12	9 + 12 + 12	9 + 9 + 12 + 12	
		12 + 18	9 + 12 + 18	9 + 9 + 12 + 18	
		12 + 24	9 + 12 + 24	9 + 9 + 12 + 24	
		18 + 18	9 + 18 + 18	9 + 9 + 18 + 18	
		18 + 24	9 + 18 + 24	9 + 9 + 18 + 24	
		24 + 24	9 + 24 + 24	9 + 12 + 12 + 12	
			12 + 12 + 12	9 + 12 + 12 + 18	
			12 + 12 + 18	9 + 12 + 12 + 24	
			12 + 12 + 24	9 + 12 + 18 + 18	
			12 + 18 + 18	9 + 18 + 18 + 18	
			12 + 18 + 24	12 + 12 + 12 + 12	
				12 + 12 + 12 + 18	
				12 + 12 + 12 + 24	
				12 + 12 + 18 + 18	
MST483F25MHAA*	48 000 BTUH		9 + 9 + 9	9 + 9 + 9 + 9	9+9+9+9+9
			9 + 9 + 12	9 + 9 + 9 + 12	9+9+9+9+12
		9 + 18	9 + 9 + 18	9 + 9 + 9 + 18	9+9+9+9+18
			9 + 9 + 24	9 + 9 + 9 + 24	9+9+9+9+24
		9 + 24	9 + 12 + 12	9 + 9 + 12 + 12	9+9+9+12+12
		12 + 12	9 + 12 + 18	9 + 9 + 12 + 18	9+9+9+12+18
			9 + 12 + 24	9 + 9 + 12 + 24	9+9+9+12+24
				9 + 9 + 18 + 18	9+9+12+12+12
				9 + 9 + 18 + 24	9+9+12+12+18
				9 + 12 + 12 + 12	9+12+12+12+12
		12 + 18	9 + 18 + 18	9 + 12 + 12 + 18	9+12+12+12+18
			9 + 18 + 24	9 + 12 + 12 + 24	12+12+12+12+12
		12 + 24	12 + 12 + 12	9 + 12 + 18 + 18	
		18 + 18	12 + 12 + 18	9 + 18 + 18 + 18	
		18 + 24	12 + 12 + 24	12 + 12 + 12 + 12	
		24 + 24	12 + 18 + 18	12 + 12 + 12 + 18	
			12 + 18 + 24	12 + 12 + 12 + 24	
			18 + 18 + 18	12 + 12 + 18 + 18	
			18 + 18 + 24		

COMFORT.
SAVINGS.
PERFORMANCE.



Franklin®
Air Conditioning & Heating

Outstanding warranty* protection



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

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:



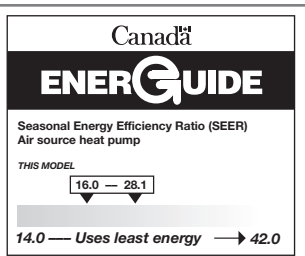
Goodman Distribution Branch
965 Rue Bergar
Laval, QC, H7L 4Z6
T 450-681-2220

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



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