



WELCOME TO MAINLINE® HIGH-EFFICIENCY SOLUTIONS



Element Ultra Heat Series

*Your Guide to Comfort,
Efficiency, and Affordability*

PART OF A TRUSTED HERITAGE

Powered by Innovation, Grounded in Tradition Since 1858.



Picture yourself at a crossroads, surrounded by endless possibilities. Each option holds the promise of greater comfort in your home, improved energy efficiency, and savings that fit your budget. But how do you choose the right direction? Where do you turn when the options feel overwhelming, and the stakes are high?

That's where Mainline® comes in. We're your trusted partner in navigating the world of high-efficiency heat pumps. With reliable expertise and proven solutions, we help homeowners and HVAC professionals find the perfect path to a home that's comfortable in every season.

Key features & benefits of the Mainline® Element Ultra Heat Series

EXCEPTIONAL COLD CLIMATE PERFORMANCE



Equipped with an advanced inverter compressor, the Element Ultra Heat Series delivers over 80% heating capacity even at extreme temperatures as low as -22°F/-30°C. Enjoy reliable, efficient comfort no matter how harsh the winter gets.

WHISPER-QUIET OPERATION



Powered by state-of-the-art inverter technology and components built for extreme climates, the Element Ultra Heat Series ensures silent operation. Say goodbye to noisy outdoor units and hello to peaceful comfort.

PROVEN RELIABILITY IN ANY CLIMATE



Built with top-grade, certified components, the Element Ultra Heat Series is engineered to thrive in the toughest conditions. Count on consistent performance year-round, from blazing Phoenix summers to freezing Winnipeg winters.

SPACE-SAVING COMPACT DESIGN



Featuring a sleek side-discharge outdoor unit, the Element Ultra Heat Series is perfect for smaller lots or yards where space is at a premium. Enjoy powerful performance without compromising your outdoor aesthetics.

INDUSTRY-LEADING EFFICIENCY



With superior heating and cooling efficiencies, the Element Ultra Heat Series helps reduce your carbon footprint and utility bills. It's the perfect system for homeowners looking to decarbonize their homes cost-effectively.

FLEXIBLE COMPATIBILITY FOR ANY INSTALLATION



Whether it's a fully communicating system with a Mainline air handler or a retrofit paired with a third-party furnace, the Element Ultra Heat Series offers unmatched versatility to fit your home's unique needs. This air handler can be set for 115v, 60hz 1Ph or 208/230v, 60hz 1Ph to showcase the electrical flexibility.

EXCLUSIVE CERTIFIED INSTALLERS FOR PEACE OF MIND



Only certified HVAC professionals have access to Mainline systems, ensuring proper installation for optimal performance and long-lasting durability. Rest easy knowing your investment is in expert hands.

10-YEAR LIMITED WARRANTY



Backed by a decade of coverage on parts and components, the Element Ultra Heat Series offers homeowners confidence and protection for years to come.

YOUR PARTNER IN COMFORT AND AFFORDABILITY



Designed to deliver premium performance at a fair price, Mainline ensures homeowners get the best value without compromise. Enjoy top-tier technology without paying for inflated branding costs.

PART OF A TRUSTED HERITAGE



Backed by Hajoca Corporation's 160+ years of HVAC expertise, the Element Ultra Heat Series combines cutting-edge technology with a legacy of reliability, ensuring your home stays comfortable season after season.

Why Choose Mainline®?

By choosing the Mainline® Element Ultra Heat Series, you're investing in a system that balances efficiency, reliability, and affordability—delivering tailored comfort for your family while making life easier for your installer.

Mainline® is your trusted partner in creating a home that's not just warm in winter and cool in summer, but also quiet, efficient, and worry-free.

- 18.8 SEER2 / 9.7 HSPF2
- Cooling Operating Range -22 to 122°F (-30 to 50°C)
- Heating Operating Range -22 to 75°F (-30 to 24°C)
- Eco-friendly R454B refrigerant
- Wi-Fi Wired Controller (Included)

- Smart Home App
- Compatible with Google and Alexa Voice Control
- 24VAC Thermostat Control (Optional)
- Multi-position Air Handler
- Auxiliary Heat Kits (Optional)

System Ratings		ML18HP230LMNTH	ML24HP230LMNTH	ML30HP230LMNTH	ML36HP230LMNTH	ML48HP230LMNTH	ML60HP230LMNTH
SEER2	Btu/h/W	19	18.3	16.8	17.3	16.5	16
EER2	Btu/h/W	12.5	11.7	11.7	11.7	10.5	10
HSPF2-4/HSPF2-5 (Climate Region)	Btu/h/W	9.7 / 8	10 / 8	10 / 8.3	10.3 / 8.6	9.5 / 8	9 / 8
COP	W/W	3.2	3.33	3.65	3.6	3.4	3.1
Energy Star®	-	Yes	Yes	Yes	Yes	No	No
Rated Cooling Capacity @ 95°F/35°C	Btu/h	18,000	23,000	30,000	36,000	48,000	54,000
Cooling Capacity Range	Btu/h	5,600 - 22,000	7,200 - 27,000	12,800 - 39,000	9,700 - 42,000	15,600 - 51,000	11,400 - 56,300
Cooling Input	Watts	1,445	1,965	2,567	3,076	4,690	5,400
Cooling Current	Amps	6.6	9	11.4	13.4	20	23.3
Rated Heating Capacity @ 47°F/8°C	Btu/h	19,000	24,000	34,000	37,000	50,000	56,000
Rated Heating Capacity @ 17°F/-8°C	Btu/h	15,000	20,000	23,800	31,800	37,000	45,000
Heating Capacity Range	Btu/h	6,000 - 22,000	7,100 - 30,000	10,300 - 38,500	11,000 - 48,000	15,500 - 57,300	8,100 - 64,500
Heating Input	Watts	1,740	2,112	2,790	3,012	4,750	5,300
Heating Current	Amps	7.6	9.5	12.4	13.1	20.5	23.1

INDOOR UNIT		ML18HP230LMNTAHU-I	ML24HP230LMNTAHU-I	ML30HP230LMNTAHU-I	ML36HP230LMNTAHU-I	ML48HP230LMNTAHU-I	ML60HP230LMNTAHU-I
Power Supply	Volts, Hz, Ph	115V, 60Hz, 1Ph / 208/230V, 60Hz, 1Ph					
Min. Circuit Amps (MCA) 115V/208-230V	Amps	5.5 / 4	5.5 / 4	8 / 6	8 / 6	14.5 / 11	14.5 / 11
Max. Overcurrent Protection (MOCP)	Amps	15	15	15	15	15	15
Fan Motor Type	-	Constant (CFM) Airflow ECM					
Fan Motor RLA	Amps	2	3	4.5	4.5	7.8	8.3
Fan Motor Output	Watts	250	250	375	375	750	750
Airflow (Turbo/Hi/Mi/Lo/Si)	CFM	618 / 576 / 529 / 488 / N/A	824 / 759 / 694 / 629 / N/A	989 / 895 / 806 / 712 / N/A	1189 / 1083 / 971 / 865 / N/A	1601 / 1472 / 1283 / 1095 / N/A	1807 / 1583 / 1360 / 1136 / N/A
External Static Pressure	In W.c.	0.8	0.8	0.8	0.8	0.8	0.8
Sound Level Turbo/Hi/Mi/Lo/Si)	dB(A)	N/A / 41 / 39 / 33 / N/A	N/A / 44 / 42 / 28 / N/A	47 / 46 / 43 / 28 / N/A	49 / 48 / 46 / 26 / N/A	N/A / 52 / 50 / 34 / N/A	54.5 / 52 / 49.5 / 34.5 / N/A
Metering Device	-	Electronic Expansion Valve (EEV)					
Coil Type/Coating	-	Aluminum Coil/Aluminum Fins / Golden Fin Coating (500Hr Salt Spray Rating)					
Electric Heat Kit (Optional Accessory)	kW	3 / 5 / 8 / 10kW	5 / 8 / 10 / 15kW	5 / 8 / 10 / 15kW	5 / 8 / 10 / 15 / 20kW	8 / 10 / 15 / 20kW	10 / 15 / 20 / 25kW
Dehumidification	L/h	1.65	2.05	2.77	3.4	3.85	5.87
Condensate Drain Connection	inch	3/4" (Female Pipe Thread FTP)					
Refrigerant Lines (Liquid/Gas)	inch	3/8" / 3/4" Flared Connection					
Air Filter (Not Included)	inch	16" x 20" x 1"	16" x 20" x 1"	20" x 20" x 1"	20" x 20" x 1"	23" x 20" x 1"	23" x 20" x 1"
Control Wiring	AWG	18/2 Shielded Stranded / 18awg Thermostat Wire (Refer to Control Options)					
Operating Temp. Setting (Cooling)	°F/°C	60 to 90°F / 16 to 32°C					
Operating Temp. Setting (Heating)	°F/°C	32 to 86°F / 0 to 30°C					
Net/Gross Weight	lb	105.82lbs / 126.76lbs	105.82lbs / 126.76lbs	128.97lbs / 153.44lbs	128.97lbs / 153.44lbs	162.92lbs / 190.92lbs	162.92lbs / 190.92lbs
Unit Dimension (WxDxH)	inch	21" x 17-1/2" x 45"	21" x 17-1/2" x 45"	21-1/32" x 21-1/32" x 49-1/32"	21-1/32" x 21-1/32" x 49-1/32"	21-1/32" x 24-16/32" x 53"	21-1/32" x 24-16/32" x 53"
Package Dimension (WxDxH)	inch	26-9/16" x 20-7/8" x 48-5/8"	26-9/16" x 20-7/8" x 48-5/8"	26-18/32" x 24-13/32" x 52-18/32"	26-18/32" x 24-13/32" x 52-18/32"	27-30/32" x 26-25/32" x 56-16/32"	27-30/32" x 26-25/32" x 56-16/32"

OUTDOOR UNIT		ML18HP230LMNTH-O	ML24HP230LMNTH-O	ML30HP230LMNTH-O	ML36HP230LMNTH-O	ML48HP230LMNTH-O	ML60HP230LMNTH-O
Power Supply	Volts, Hz, Ph	208/230V, 60Hz, 1Ph					
Min. Circuit Amps (MCA) 208-230V	Amps	16	19	29.5	29	38	40
Max. Overcurrent Protection (MOCP)	Amps	20	20	30	30	40	40
Fan Motor RLA	Amps	0.9	1	1.5	2.4	2	1.2
Fan Motor Output	Watts	80	80	120	250	250	85
Compressor Type	-	Inverter Rotary with Enhanced Vapor Injection					
Compressor RLA	Amps	10.5	14	22.4	20.5	28	31
Sound Level	dB(A)	59	60	60.5	62.5	65	65
Metering Device	-	Electronic Expansion Valve (EEV)					
Reversing Valve	-	Energized in Heating					
Coil Type/Coating	-	Copper Coil/Aluminum Fins / Golden Fin Coating (500Hr Salt Spray Rating)					
Refrigerant Type	-	R454B					
Factory Charge	oz/kg	74.08oz / 2.1kg	74.08oz / 2.1kg	105.82oz / 3kg	126.99oz / 3.6kg	134.04oz / 3.8kg	183.42oz / 5.2kg
Pre-charge Pipe Length	ft/m	24.6ft / 7.5m					
Additional Refrigerant Charge	oz/ft/kg/m	0.7oz/ft / 0.065kg/m					
Piping Length (Min./Max.)	ft/m	10ft (3m) / 98.4ft (30m)	10ft (3m) / 164ft (50m)	10ft (3m) / 164ft (50m)	10ft (3m) / 246ft (75m)	10ft (3m) / 246ft (75m)	10ft (3m) / 246ft (75m)
Piping Height Difference (Max.)	ft/m	65.6ft / 20m	82ft / 25m	82ft / 25m	98.4ft / 30m	98.4ft / 30m	98.4ft / 30m
Refrigerant Lines (Liquid/Gas)	inch	3/8" / 3/4" Flared Connection					
Control Wiring	AWG	18/2 Shielded Stranded / 18awg Thermostat Wire (Refer to Control Options)					
Operating Temp. Range (Cooling)	°F/°C	-22 to 122°F / -30 to 50°C					
Operating Temp. Range (Heating)	°F/°C	-22 to 75°F / -30 to 24°C					
Net/Gross Weight	lb	101.41lbs / 109.13lbs	101.41lbs / 109.13lbs	164.02lbs / 174.60lbs	204.15lbs / 235.23lbs	201.06lbs / 232.36lbs	242.95lbs / 275.13lbs
Unit Dimension (WxDxH)	inch	35-1/16" x 13-7/16" x 26-1/2"	35-1/16" x 13-7/16" x 26-1/2"	37-8/32" x 16-5/32" x 31-28/32"	38-19/32" x 16-11/32" x 38-12/32"	38-19/32" x 16-11/32" x 38-12/32"	37-15/32" x 16-11/32" x 52-15/32"
Package Dimension (WxDxH)	inch	39-3/16" x 15-11/16" x 29-1/8"	39-3/16" x 15-11/16" x 29-1/8"	42-29/32" x 19-22/32" x 34-27/32"	45-3/32" x 19-22/32" x 42-17/32"	45-3/32" x 19-22/32" x 42-17/32"	43-4/32" x 19-16/32" x 58-9/32"



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Mainline® brings over 160 years of expertise and excellence right to your home. With more than 800 locations across North America, we're always close by to provide the support you need. Whether you're a homeowner seeking peace of mind or an installer in search of reliable solutions, Mainline® is the partner you can depend on. Our comprehensive technical support and training programs ensure every system is installed and maintained to the highest standards of perfection.