



# WELCOME TO MAINLINE® HIGH-EFFICIENCY SOLUTIONS



## *Caldera Tech 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® Caldera Tech Series

### EXCEPTIONAL COLD CLIMATE PERFORMANCE



Equipped with an advanced inverter compressor, the Caldera Tech 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 Caldera Tech 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 Caldera Tech 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 Caldera Tech 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 Caldera Tech Series helps reduce your carbon footprint and utility bills. It's the perfect system for homeowners looking to decarbonize their homes cost-effectively.

### ECO-FRIENDLY



R-454B is an eco-friendly refrigerant with a lower global warming potential (GWP) than traditional refrigerants like R-410A. It offers higher energy efficiency while reducing electricity consumption, carbon emissions, and is non-ozone depleting making it a sustainable choice. Its use helps meet new environmental regulations while maintaining reliable HVAC performance.

### 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 Caldera Tech 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 Caldera Tech 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® Caldera Tech 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.

- Up to 35 SEER2 / 30 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
- Remote Controller (Included)
- Wi-Fi (Included)

- Multi-Function Board (Included)
- Wired Controller (Optional)
- 24VAC Thermostat Control (Optional)
- Smart Home App
- Compatible with Google and Alexa Voice Control

System Ratings		ML06HP230CALH	ML09HP230CALH	ML12HP230CALH	ML18HP230CALH	ML24HP230CALH	ML33HP230CALH
SEER2	Btu/h/W	35	33.3	29.4	25.6	21	19.5
EER2	Btu/h/W	17.4	17	14.2	15	13	12
HSPF2-4/HSPF2-5 (Climate Region)	Btu/h/W	30 / 25	22 / 16	14.5 / 10	16.2 / 12.9	13.5 / 9.8	10.5 / 8.6
COP	W/W	4	3.6	3.6	4.4	3.42	3.37
Energy Star®	-	Yes	Yes	Yes	Yes	Yes	Yes
Rated Cooling Capacity @ 95°F/35°C	Btu/h	6,000	9,000	12,000	18,000	24,000	33,000
Cooling Capacity Range	Btu/h	3,100 - 16,500	3,100 - 16,500	3,100 - 16,500	12,600 - 27,900	12,600 - 27,900	15,000 - 37,000
Cooling Input	Watts	343	529	840	1,200	1,846	2,750
Cooling Current	Amps	2.1	3.1	3.7	5.5	8.3	12.7
Rated Heating Capacity @ 47°F/8°C	Btu/h	9,000	12,000	12,000	20,000	29,000	36,000
Rated Heating Capacity @ 17°F/-8°C	Btu/h	11,000	11,000	11,000	19,300	21,000	30,000
Heating Capacity Range	Btu/h	4,100 - 17,200	4,100 - 17,200	4,100 - 17,200	9,700 - 29,700	11,800 - 29,700	19,700 - 37,800
Heating Input	Watts	660	977	977	1,332	2,485	3,131
Heating Current	Amps	3.9	4.3	4.3	5.9	11	13.7

INDOOR UNIT		ML06HP230CALH-I	ML09HP230CALH-I	ML12HP230CALH-I	ML18HP230CALH-I	ML24HP230CALH-I	ML33HP230CALH-I
Power Supply	Volts, Hz, Ph	208/230V, 60Hz, 1Ph (Indoor Unit is powered by Outdoor Unit with the use of a 14/4 Stranded Copper THHN 600V Interconnecting Cable)					
Min. Circuit Amps (MCA)	Amps	3	3	3	3	3	3
Max. Overcurrent Protection (MOCOP)	Amps	15	15	15	15	15	15
Fan Motor Type	-	Brushless DC Fan Motor					
Fan Motor RLA	Amps	0.7	0.7	0.7	1.3	1.3	1.6
Fan Motor Output	Watts	60	60	60	58	58	58
Airflow (Turbo/Hi/Mi/Lo/Si)	CFM	559 / 424 / 212 / 153 / N/A	559 / 424 / 212 / 153 / N/A	559 / 424 / 212 / 153 / N/A	812 / 618 / 412 / 318 / N/A	812 / 618 / 412 / 318 / N/A	865 / 736 / 600 / 424 / N/A
Sound Level Turbo/Hi/Mi/Lo/Si)	dB(A)	42 / 33 / 23 / 19 / N/A	42 / 33 / 23 / 19 / N/A	42 / 33 / 23 / 19 / N/A	55 / 44 / 39 / 27 / N/A	55 / 44 / 39 / 27 / N/A	57 / 53 / 47 / 36 / N/A
Coil Type/Coating	-	Copper Coil/Aluminum Fins / Golden Fin Coating (500Hr Salt Spray Rating)					
Dehumidification	L/h	0.5	0.5	0.5	1.1	2.7	4.2
Condensate Drain Connection	inch	16mm O.D. / 5/8" O.D.					
Refrigerant Lines (Liquid/Gas)	inch	1/4" / 3/8" Flared Connection	1/4" / 3/8" Flared Connection	1/4" / 3/8" Flared Connection	3/8" / 5/8" Flared Connection	3/8" / 5/8" Flared Connection	3/8" / 3/4" Flared Connection
Air Filter	inch	Washable Air Filter					
Control Wiring	AWG	14/4 Stranded Copper THHN 600V (Interconnecting Cable between Indoor and Outdoor Unit)					
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	28.22lbs / 36.82lbs	28.22lbs / 36.82lbs	28.22lbs / 36.82lbs	43.65lbs / 55.56lbs	43.65lbs / 55.56lbs	43.21lbs / 55.78lbs
Unit Dimension (WxDxH)	inch	40-1/16" x 9-8/16" x 12-9/16"	40-1/16" x 9-8/16" x 12-9/16"	40-1/16" x 9-8/16" x 12-9/16"	46-14/16" x 11" x 14-10/16"	46-14/16" x 11" x 14-10/16"	46-14/16" x 11" x 14-10/16"
Package Dimension (WxDxH)	inch	43-2/16" x 12-13/16" x 15-12/16"	43-2/16" x 12-13/16" x 15-12/16"	43-2/16" x 12-13/16" x 15-12/16"	50-6/16" x 14-3/16" x 17-15/16"	50-6/16" x 14-3/16" x 17-15/16"	50-6/16" x 14-3/16" x 17-15/16"

OUTDOOR UNIT		ML06HP230CALH-O	ML09HP230CALH-O	ML12HP230CALH-O	ML18HP230CALH-O	ML24HP230CALH-O	ML33HP230CALH-O
Power Supply	Volts, Hz, Ph	208/230V, 60Hz, 1Ph (Indoor Unit is powered by Outdoor Unit with the use of a 14/4 Stranded Copper THHN 600V Interconnecting Cable)					
Min. Circuit Amps (MCA)	Amps	16	16	16	24.9	24.9	34
Max. Overcurrent Protection (MOCOP)	Amps	20	20	20	25	25	35
Fan Motor RLA	Amps	0.7	0.7	0.7	1.3	1.3	1.5
Fan Motor Output	Watts	80	80	80	120	120	230
Compressor Type	-	Inverter Rotary					
Compressor RLA	Amps	11.6	11.6	11.6	15	15	24.5
Sound Level	dB(A)	57	57	57	61.5	61.5	63.5
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	44.09oz / 1.25kg	44.09oz / 1.25kg	44.09oz / 1.25kg	63.49oz / 1.8kg	63.49oz / 1.8kg	87.13oz / 2.47kg
Pre-charge Pipe Length	ft/m	24.6ft / 7.5m					
Additional Refrigerant Charge	oz/ft/kg/m	0.16oz/ft / 0.015kg/m	0.16oz/ft / 0.015kg/m	0.16oz/ft / 0.015kg/m	0.32oz/ft / 0.03kg/m	0.32oz/ft / 0.03kg/m	0.32oz/ft / 0.03kg/m
Piping Length (Min./Max.)	ft/m	10ft (3m) / 82ft (25m)	10ft (3m) / 82ft (25m)	10ft (3m) / 82ft (25m)	10ft (3m) / 164ft (50m)	10ft (3m) / 164ft (50m)	10ft (3m) / 164ft (50m)
Piping Height Difference (Max.)	ft/m	49.2ft / 15m	49.2ft / 15m	49.2ft / 15m	82ft / 25m	82ft / 25m	82ft / 25m
Refrigerant Lines (Liquid/Gas)	inch	1/4" / 3/8" Flared Connection	1/4" / 3/8" Flared Connection	1/4" / 3/8" Flared Connection	3/8" / 5/8" Flared Connection	3/8" / 5/8" Flared Connection	3/8" / 3/4" Flared Connection
Control Wiring	AWG	14/4 Stranded Copper THHN 600V (Interconnecting Cable between Indoor and Outdoor Unit)					
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	99.65lbs / 107.80lbs	99.65lbs / 107.80lbs	99.65lbs / 107.80lbs	130.29lbs / 141.31lbs	130.29lbs / 141.31lbs	156.97lbs / 167.99lbs
Unit Dimension (WxDxH)	inch	35-1/16" x 13-7/16" x 26-8/16"	35-1/16" x 13-7/16" x 26-8/16"	35-1/16" x 13-7/16" x 26-8/16"	37-4/16" x 16-2/16" x 31-14/16"	37-4/16" x 16-2/16" x 31-14/16"	37-4/16" x 16-2/16" x 31-14/16"
Package Dimension (WxDxH)	inch	39-3/16" x 15-11/16" x 29-2/16"	39-3/16" x 15-11/16" x 29-2/16"	39-3/16" x 15-11/16" x 29-2/16"	42-15/16" x 19-11/16" x 34-13/16"	42-15/16" x 19-11/16" x 34-13/16"	42-15/16" x 19-11/16" x 34-13/16"





EXPERIENCE YOU CAN  
TRUST, COMFORT  
YOU CAN FEEL



*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.*

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