



A-COIL M-COIL

INVERTER HEAT PUMP AND A-COIL SYSTEM

UP TO 16.1 SEER2



SMART KIT
BUILT IN

Turn Your
Existing
Furnace
into an
Air Conditioner

With TXV Valve



Engineered for full compatibility with universal third party outdoor condensing units utilizing R454B refrigerant and a 24V control interface.



cooperandhunter.us | TECHNICAL SUPPORT 800-977-0722





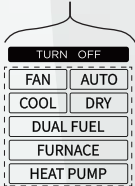
18K-60K Btu/h
MULTI-POSITION | SINGLE-ZONE SERIES



Refrigerant
Sensor



120F Thermostat Included



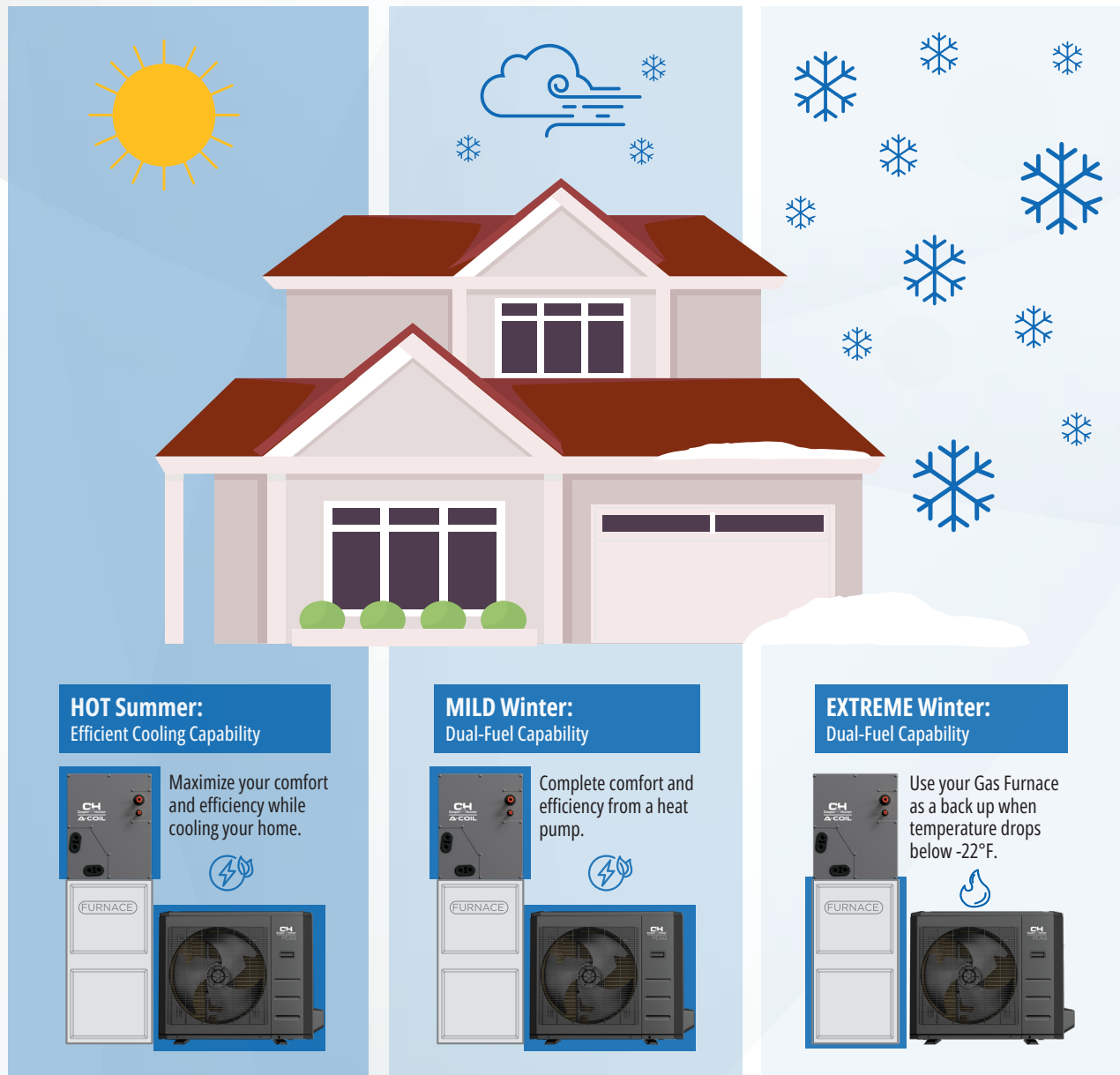
INDOOR			CH-ACL18-24A	CH-ACL18-24B	CH-ACL18-24A	CH-ACL18-24B	CH-ACL30-36B	CH-ACL30-36C	CH-ACL30-36B	CH-ACL30-36C	CH-MCL48-60C	CH-ACL48-60D	CH-MCL48-60C	CH-ACL48-60D
Indoor Model			CH-ACL18-24A	CH-ACL18-24B	CH-ACL18-24A	CH-ACL18-24B	CH-ACL30-36B	CH-ACL30-36C	CH-ACL30-36B	CH-ACL30-36C	CH-MCL48-60C	CH-ACL48-60D	CH-MCL48-60C	CH-ACL48-60D
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
Communication		V	24	24	24	24	24	24	24	24	24	24	24	24
Rated Capacity	Cooling	Btu/h	18,000	18,000	24,000	24,000	29,000	29,000	36,000	36,000	45,000	45,000	52,000	53,000
	Heating	Btu/h	19,000	19,000	25,000	25,000	32,000	32,000	38,000	38,000	48,000	50,000	56,000	58,000
Indoor	Dimension (WxDxH)	inch	14.5 x 21 x 18	17.5 x 21 x 18	14.5 x 21 x 18	17.5 x 21 x 18	17.5 x 21 x 23.5	21 x 21 x 24	17.5 x 21 x 23.5	21 x 21 x 24	21.62 x 21.5 x 27.75	24.5 x 21 x 28	21.62 x 21.5 x 27.75	24.5 x 21 x 28
	Packing (WxDxH)	inch	17.5 x 25.37 x 20.62	20.5x 26.12 x 20.87	17.5 x 25.37 x 20.62	20.5x 26.12 x 20.87	20.5 x 26.12 x 26.37	24.02 x 26.12 x 26.37	20.5 x 26.12 x 26.37	24.02 x 26.12 x 26.37	31.12 x 25 x 25.62	27.75x 26.12 x 30.37	31.12 x 25 x 25.62	27.75x 26.12 x 30.37
	Net/Gross Weight	lbs.	42 / 50	42 / 50	42 / 50	42 / 50	59.5 / 68	64 / 74	59.5 / 68	64 / 74	97 / 115	81 / 92	97 / 115	81 / 92
Room Temperature	Cooling	°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	Heating	°F	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86
Liquid Side/Gas Side		inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"

OUTDOOR			CH-PQ18-230V0	CH-PQ24-230V0	CH-PQ33-230V0	CH-PQ36X-230V0	CH-PQ48-230V0	CH-PQ55-230V0
Outdoor Model			CH-PQ18-230V0	CH-PQ24-230V0	CH-PQ33-230V0	CH-PQ36X-230V0	CH-PQ48-230V0	CH-PQ55-230V0
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	Voltage Range	V	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Rated Capacity Range	Btu/h	5,600~22,800	7,900~27,600	13,900~37,900	12,100~41,000	16,000~48,000	15,500~47,000
	Rated Current	A	8.3	9	9.7	14.6	19.6	18.3
	EER2		11.7	10	10	10.7	10	10
	SEER2		16.1	16	16	15.8	15.2	14.5
Heating at 47°F	Rated Capacity Range	Btu/h	5,600~22,800	6,500~30,000	13,00~40,000	11,500~46,000	16,000~50,000	16,000~52,000
	Rated current	A	10	8.5	10.8	14.7	19.6	19
	COP	W/W	3.3	3.2	3.37	3.3	3.12	3.15
	HSPF4		9.5	9.5	10	9.4	8.8	8.4
	HSPF5		7.8	7	8.5	7.9	7.4	7.3
Minimum Circuit Ampacity		A	16	19	29.5	29	38	38
Max.Fuse (Outdoor Unit)		A	20	20	30	30	40	40
Outdoor	Dimension (WxDxH)	inch	35 x 13.5 x 26.5	35 x 13.5 x 26.5	37.25 x 16.12 x 31.87	38.56x 16.37 x 38.37	38.56x 16.37 x 38.37	37.5 x 16.37 x 52.5
	Packing (WxDxH)	inch	39.12 x 15.62 x 29.12	39.12 x 15.62 x 29.12	42.87x 19.62 x 34.87	45.06 x 19.62 x 42.5	45.06 x 19.62 x 42.5	43.12 x 19.5x 58.25
	Net/Gross Weight	lbs.	101 / 109	102 / 109	164 / 175	204 / 235	201 / 232	242 / 275
Refrigerant Type / Charge		oz.	R454B / 74.08	R454B / 74.08	R454B / 105.82	R454B / 126.99	R454B / 134.04	R454B / 183.42
Refrigerant Precharge Length		ft.	25	25	25	25	25	25
Additional Charge for Each ft.		oz/ft	0.7	0.7	0.7	0.7	0.7	0.7
Design Pressure		PSIG	550/340	550/340	550/340	550/340	550/340	550/340
Refrigerant Piping Liquid Side/Gas Side		inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Max. Pipe Length		ft.	98	164	164	246	246	246
Max. Difference in Level		ft.	66	82	82	98	98.4	98
Ambient Temperature	Cooling	°F	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122
	Heating	°F	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75
Certifications	ETL		✓	✓	✓	✓	✓	✓
	AHRI		✓	✓	✓	✓	✓	✓
	Energy Star for Cold Climate		✓	✓	✓	✓		
	NEEP		✓	✓	✓	✓	✓	✓

- Wide range for flexible installation (18K - 60K)
- Compatible with existing furnaces
- Multi-position Installation: Horizontal (left/right), Vertical (up/down)
- Completely insulated cabinet ensures the evaporator coil runs quietly and efficiently by providing sound and thermal proofing
- Full compatibility with universal third party outdoor condensing units utilizing R454B refrigerant and a 24V control interface
- TXV Valve
- Flared connection type
- Aluminum coil with anti-corrosive GoldFin coating
- R454B refrigerant sensor
- Easy access for coil maintenance
- Multiple control options available: 2-way communication wired controller with Built-in Smart communication (120F Thermostat) or third party 24V Thermostat
- Durable L-shaped drain pans with a precise slope for efficient water drainage and better moisture removal.

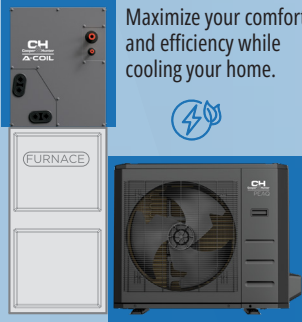


Maximize Your Comfort with Cooper&Hunter's A-Coil | M-Coil.



HOT Summer:
Efficient Cooling Capability

Maximize your comfort and efficiency while cooling your home.



MILD Winter:
Dual-Fuel Capability

Complete comfort and efficiency from a heat pump.



EXTREME Winter:
Dual-Fuel Capability

Use your Gas Furnace as a back up when temperature drops below -22°F.

