



ADVANCED  
DC INVERTER  
TECHNOLOGY

# Universal<sup>®</sup> Series

**UNIVERSAL CONDENSER**

**Up to 20 SEER DC Inverter Unitary**

The MRCOOL<sup>®</sup> Universal<sup>®</sup> Condenser is capable of up to a 20 SEER rating. This condenser is designed to handle all of your heating and cooling needs, so the use of a gas furnace is not necessary. It is available in 2-3 ton and 4-5 ton capacities that can easily be field-converted to suit needs of your application using the dip switch setting.

[www.mrcool.com](http://www.mrcool.com)

**Version Date: 10-26-2021**

# Benefits & Features



- ✓ 3 Connection Types:
  - Patented\* Pre-charged No-Vac® Quick Connect® Line Set (15 ft, 25 ft, 35 ft, 50 ft-Couplings also available)
  - Sweat Braze Connection
  - Flare Connection
- ✓ Quiet 55-58 dB(a) Operation
- ✓ Slim Design
- ✓ Gas Furnace Not Required
- ✓ Condenser Can Be Field Converted to 2-Ton from 3-Ton or 4-Ton from 5-Ton using a Dip Switch Setting (see manual for details)
- ✓ Sizes: 2-3 Ton or 4-5 Ton
- ✓ 10-Year Limited Warranty\*
- ✓ Compatible With Any Third Party Air Handler and Thermostat Including the MRCOOL Universal WiFi Thermostat or WiFi/Nest
- ✓ Uses Environmentally-Friendly R-410A Refrigerant
- ✓ Gold Fin Corrosion Protection
- ✓ Rapid Heating & Cooling

The MRCOOL® Universal® Series Condenser, with a DC inverter compressor, offers dynamic heating and cooling performance in a slim design. This condenser is capable of delivering 100% heating capacity down to -5°F (-20°C) on 2-ton models and 14°F (-10°C) on 4-ton models. It can also offer 100% cooling capacity up to 115°F (46°C) on 2-ton models and 109.4°F (43°C) on 4-ton models.

The Universal® Series Condenser also offers the same versatility and robust construction as with all of the other products in the Universal lineup. It features Gold Fin® Technology to offer superior protection of the coils against corrosion. It also available with our patented pre-charged No-Vac® Quick Connect® Line Set that can drastically decrease the time and complexity of the installation process.



# SPECIFICATION

# UNIVERSAL® CONDENSER

MODEL NO.	UNITS	MDUO18024	MDUO18036	MDUO18048	MDUO18060
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## CAPACITY & PERFORMANCE

Cooling Capacity	Btu/h (kW)	24,000 (7 kW)	36,000 (10.55 kW)	48,000 (14 kW)	54,000 (15.83 kW)
SEER	Btu/w	Up to 20	Up to 18	Up to 18	Up to 17
Heating Capacity	Btu/h	24,000 (7 kW)	36,000 (10.55 kW)	48,000 (14 kW)	54,000 (15.83 kW)
EER	(Btu/h)/W	12.5	11	11	10.5
HSPF	Btu/w	10.5	10	10.5	10
Noise level - Air Handler	dB(A)	55	57	58	58

## ELECTRICAL PARTS

Min/Max Voltage	V	187/253	187/253	187/253	187/253
Rated Voltage	V	208/230	208/230	208/230	208/230
Min. Current Ampacity (MCA)	A	24	24	35	35
Max. Current Over Protection (MOP)	A	35	35	45	45

## DIMENSIONS & WEIGHT

Net Dimension	(L x W x H)	inch (mm)	37 x 18-1/8 x 32-1/4 (940 x 460 x 820)	37 x 18-1/8 x 32-1/4 (940 x 460 x 820)	39-3/8 x 14-1/2 x 53-3/4 (1000 x 370 x 1365)	39-3/8 x 14-1/2 x 53-3/4 (1000 x 370 x 1365)
Packing Dimension	(L x W x H)	inch (mm)	42-5/8 x 22-5/8 x 38-1/4 (1083 x 573 x 973)	42-5/8 x 22-5/8 x 38-1/4 (1083 x 573 x 973)	45-3/8 x 19-3/8 x 59-1/4 (1153 x 493 x 1505)	45-3/8 x 19-3/8 x 59-1/4 (1153 x 493 x 1505)
Net weight	Indoor	lbs (kg)	217.2 (98.5)	217.2 (98.5)	308.7 (140)	308.7 (140)
Gross Weight	Indoor	lbs (kg)	240.3 (109)	240.3 (109)	337.3 (153)	337.3 (153)

## REFRIGERANT & PIPING

Refrigerant Type	oz	R-410A	R-410A	R-410A	R-410A
Connection Pipe Method		Quick Connect®, Flare, Weld (with Stub)	Quick Connect®, Flare, Weld (with Stub)	Quick Connect®, Flare, Weld (with Stub)	Quick Connect®, Flare, Weld (with Stub)



\* Data provided by AHRI



- ✓ Kink Resistant for Easier Bending During Installation.
- ✓ 100% Accurately Precharged R-410A Refrigerant standard sizes: 15 ft, 25 ft, 35 ft, 50 ft.
- ✓ Optional MRCOOL® No-Vac® Couplers can be used to combine two standard Quick Connect® Line Sets to extend the length if needed.
- ✓ Simple to Use, Leak Proof, and Screw-on Quick Connect Valves do not require vacuuming.
- ✓ Quicker Installation than Conventional Line Sets.
- ✓ Strong 3/4 inch Gator-Flextra™ UV Protective Insulation provides extra protection against sun damage, weather erosion, or destruction from animals and insects.

**NO-VAC®  
Quick-Connect®  
Pre-Charged  
Line Set**





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**Phone: 270-366-0457  
[www.mrcool.com](http://www.mrcool.com)**

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**\*Display Images for demonstrative purposes only. Actual images during product use may vary.**

NOTICE: MRCOOL® products must be installed in accordance with all applicable local, state and federal codes and regulations. Unless explicitly stated otherwise, installation must be completed by a licensed / certified HVAC technician. ALL electrical connections to a power source must be performed by a licensed electrician and comply with local, state and federal electrical codes and regulations.

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