

MRCOOL®

# Universal® Series

## Up to 20 SEER DC Inverter Unitary



### Universal Condenser (2-3 Ton or 4-5 Ton)

- Condensers Can Be Field Converted to Smaller Size Using Dip Switch Setting (See Manual for Details)
- Gold Fin Corrosion Protection
- Variable Speed
- Rapid Cooling and Heating
- 100% Heating Capacity Down to -5°F (2T) 14°F (4T)
- 100% Cooling Capacity Up to 115°F (2T) 109.4° (4T)
- Low Ambient Cooling Down to 5°F
- Quiet 55-58dB(a) Operation
- Compatible With Any Third Party Air Handler and Thermostat
- Gas Furnace Not Required
- Slim Design
- 3 Connection Types:
  - Pre-Charged No-Vac® Quick Connect® Line Set
  - Sweat Braze Connection
  - Flare Connection

### Universal Air Handler (2-3 Ton or 4-5 Ton)

- R410A Factory Pre-Charged Air Handler 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)
- High Efficient Energy Saving DC Fan Motor
- Multi-Position Installation (Upflow, Horizontal)
- Internal Fan Blade Creates Low Noise
- The Special Fire-Proof Electrical Box Design Offers Anti-Electric Shock Reserved Installation Space for the Circuit Breaker
- Easy to Clean Metal Filter Protects Against Fire, Corrosion, and Deterioration
- 2 Step Condensation Protection

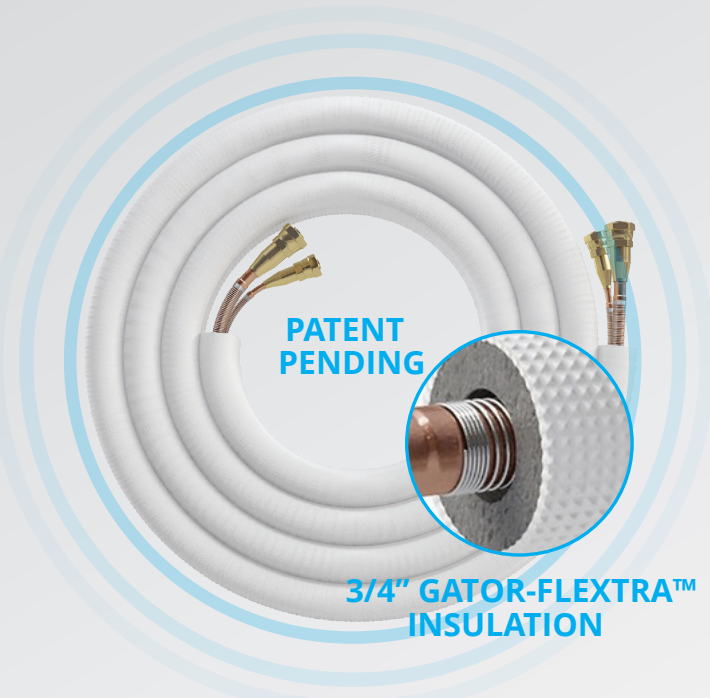


10 Year Limited  
Warranty  
When Registered



MRCOOL®

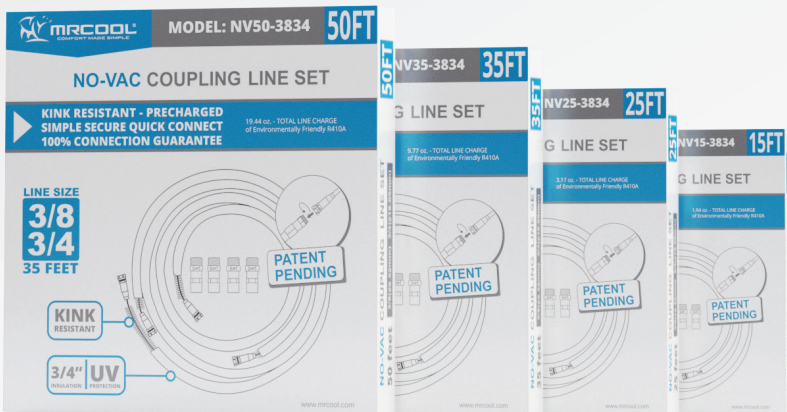
# NO-VAC® QUICK CONNECT® FACTORY CHARGED LINE SET



- Kink Resistant for Easier Bending During Installation
- 100% Accurately Precharged R410A Refrigerant

15 FT	25 FT	35 FT	50 FT
1.94 OZ	3.17 OZ	9.77 OZ	19.44 OZ

- Simple to Use Screw-on Quick Connect Valves
- Line sizes 3/4" and 3/8"
- Leak Proof
- No Vacuum Needed
- Quicker Installation than Conventional Linesets By Saving 7 Installation Steps
- Strong 3/4" Gator-Flextra™ UV Protective Insulation Sleeve provides extra protection against sun damage, weather erosion, or destruction from animals/rodents



**Lengths Available:**  
15FT, 25FT, 35FT, 50FT

\*Only for use with MRCOOL® Universal Series



The **MRCOOL® No-Vac® Quick Connect® Line Set** is intended for use with the **MRCOOL® Universal® Condensers** and **MRCOOL® Universal® Air Handlers**.



When one standard size **No-Vac® Quick Connect® Line Set** is not long enough, two standard **No-Vac® Quick Connect® Line Sets** can be combined using our **No-Vac® Coupler** to increase the desired length of the line sets.

- 1** Choose the **MRCOOL® No-Vac® Coupler** Size that matches the size of your Standard Line Sets.
- 2** Use a wrench to assemble the line sets on each side of the coupler making sure the thread is screwed tightly at the bottom until it stops.
- 3** After all pieces are securely connected, cover the connections with the provided grey insulation sleeve to prevent condensation.
- 4** Slide all insulation sleeves together ensuring no copper wiring is exposed and secure in place with tape.

**NO-VAC® COUPLERS FIT TWO NO-VAC® QUICK CONNECT® LINESETS TOGETHER**



UNIVERSAL CONDENSER			MODEL			
SPECIFICATIONS		UNITS	MDUO18024	MDUO18036	MDUO18048	MDUO18060
Cooling Capacity		Btu/h (kW)	24000 (7kW)	36000 (10.55kW)	48000(14kW)	54000 (15.83kW)
SEER		Btu/w	Up to 20	Up to 18	Up to 18	Up to 17
Heating Capacity		Btu/h	24000 (7kW)	36000 (10.55kW)	48000(14kW)	54000 (15.83kW)
EER		(Btu/h)/W	12.5	11	11	10.5
HSPF		Btu/w	10.5	10	10.5	10
Noise level		dB(A)	55	57	58	58
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	18	24	35	35
Maximum Over Protection (MOP)		A	25	40	45	45
Net Dimension	(WxDxH)	inch (mm)	37x18.1x32.3 (940x460x820)	37x18.1x32.3 (940x460x820)	39.4x14.5x53.6 (1000x370x1363)	39.4x14.5x53.6 (1000x370x1363)
Packing Dimension	(WxDxH)	inch (mm)	42.6x22.6x38.3 (1083x573x973)	42.6x22.6x38.3 (1083x573x973)	44.8x18.9x58.6 (1138x478x1490)	44.8x18.9x58.6 (1138x478x1490)
Net weight	Outdoor	lbs (kg)	217.2 (98.5)	217.2 (98.5)	308.7 (140)	308.7 (140)
Gross Weight	Outdoor	lbs (kg)	240.3(109)	240.3(109)	337.3 (153)	337.3 (153)
Refrigerant Type			R-410A	R-410A	R-410A	R-410A
Connection Pipe Method			Quick Connect, Flare, Weld	Quick Connect, Flare, Weld	Quick Connect, Flare, Weld	Quick Connect, Flare, Weld

MRCOOL® UNIVERSAL AIR HANDLER			MODEL			
SPECIFICATIONS		UNITS	MDUI18024	MDUI18036	MDUI18048	MDUI18060
Cooling Capacity		Btu/h (kW)	24000 (7kW)	36000 (10.55kW)	48000 (14kW)	54000 (15.83kW)
SEER		Btu/w	Up to 20	Up to 18	Up to 18	Up to 17
Heating Capacity		Btu/h	24000 (7kW)	36000 (10.55kW)	48000 (14kW)	54000 (15.83kW)
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)	45	47	50	51
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	4	4	4	4
Max. Current Over Protection (MOP)		A	15	15	15	15
Net Dimension	(WxDxH)	inch (mm)	21.3x21.3x48.3 (540x540x1224)	21.3x21.3x48.3 (540x540x1224)	24.8x21.3x57 (630x540x1448)	24.8x21.3x57 (630x540x1448)
Packing Dimension	(WxDxH)	inch (mm)	26x23.8x50.4 (660x603x1280)	26x23.8x50.4 (660x603x1280)	27.3x26x59.4 (693x660x1508)	27.3x26x59.4 (693x660x1508)
Net weight	Indoor	lbs (kg)	156.5(71)	156.5(71)	202.8(92)	202.8(92)
Gross Weight	Indoor	lbs (kg)	169.8(77)	169.8(77)	218.3(99)	218.3(99)
Refrigerant Type			R-410A	R-410A	R-410A	R-410A
Connection Pipe Method			Quick Connect®, Flare, Weld	Quick Connect®, Flare, Weld	Quick Connect®, Flare, Weld	Quick Connect®, Flare, Weld



\* Data provided by AHRI