40LM Chilled Water Fan Coil Unit

A Benchmark in Versatile Cooling Performance

Carrier International Sdn Bhd

Carrier International Sdn Bhd is our state-of-the-art manufacturing facility where we employ the latest technologies and expertise to bring you truly comprehensive HVAC solutions. Spread across oceans, CISB serves customers in over 20 countries in the Middle East and Asia Pacific.

With decades of carefully honed insights, we are honored to have won the trust of our valued stakeholders world-over. This includes industry-accredited institutions who have awarded us multiple accolades which we always work to uphold.

Selangor, Malaysia

Operations
1962–present

Regional
Multi-purpose Training Hub and Experience Centre

40LM Fan Coil Unit

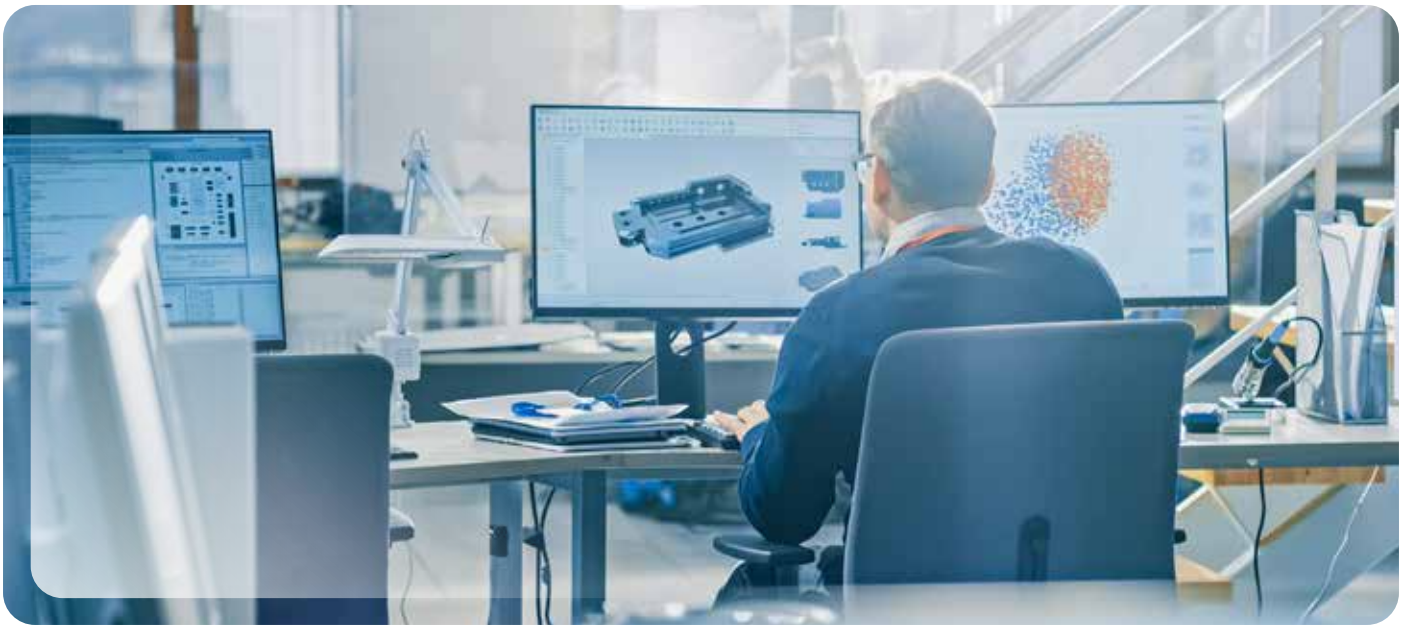
Features and Specifications

40LM Fan Coil Unit Series is equipped with innovative technologies and a versatile design to meet the needs of diverse applications such as residential spaces, hotels, offices, hospitals, schools and multiroom buildings.

- The system is a chilled water furred-in model with Plenum Fan Coil units.
- The low-silhouette construction of the unit makes it an ideal choice across various building types.
- Offered with an insulated & painted condensate drain pan and a factory-fitted frame complete with filter media.
- Equipped with a 3-speed direct drive motor as a standard.
- Equipped with up to 4 cooling coils to provide maximum cooling capacity and efficiency.
- A standard copper tube aluminum fin (Cu/Al) evaporator coil is included for maximum heat transfer performance.
- Energy-efficient performance is ensured with Carrier Lanced Sine Wave Fin pattern.

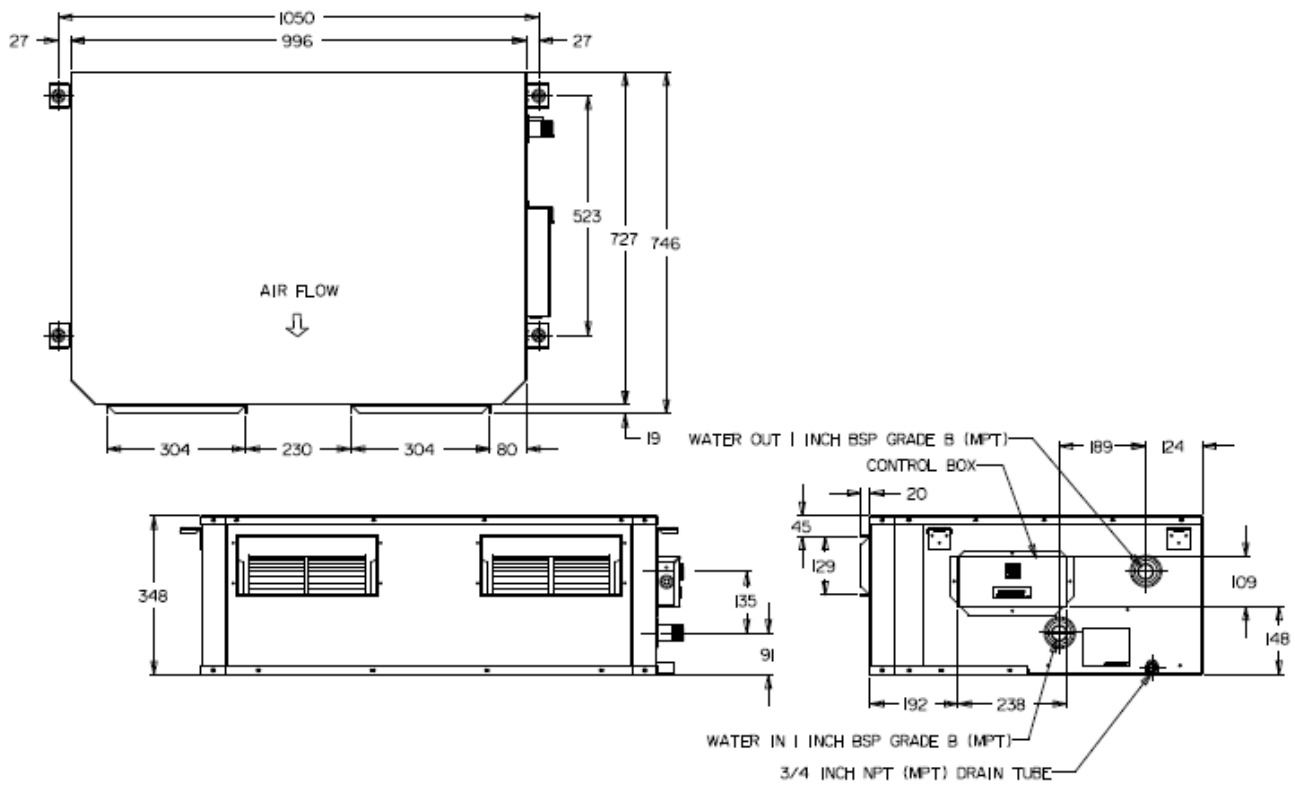
Technical Specifications

Model 40LM		40	50	60	70	100	120	150	200
Power Source (V-Ph-Hz)		230-1-50							
Min./Max. Voltage (V)		207 – 253							
Operation Weight	kg(s)	40	42	43	48	78	78	111	160
Coil	Type	Copper Tube, Aluminium Fin							
	Face Area (m^2)	0.33			0.40	0.60		0.81	1.08
	No. of Rows	3	4	4	4	4	4	4	4
	Type of Fin	Lanced Sine Wave Plate Fins							
	FPI	18	15	18	16	16	16	15	18
Fan	No. of Wheels	2						3	
	Diam. of Wheels (mm)	181		198		271		271	280
	Drive	Direct Drive							
Nominal Airflow	l/s	700	802	991	1,131	1,771	1,842	2,678	3,825
Fan Motor	Type	Permanent Split Capacitor							
	Number	1						2	
	Horsepower (W)	300	300	450	450	750	800	750+800	462+940
	Speed	3 Speeds							
Connection	Type	BSP MPT							
	Supply	1"							
	Return	1"							
	Drain	¾" NPT							
Dimensions	Height (mm)	348			344	458		469	680
	Width (mm)	746			749	675		963	965
	Depth (mm)	996			1,218	1,627		1,990	1,946

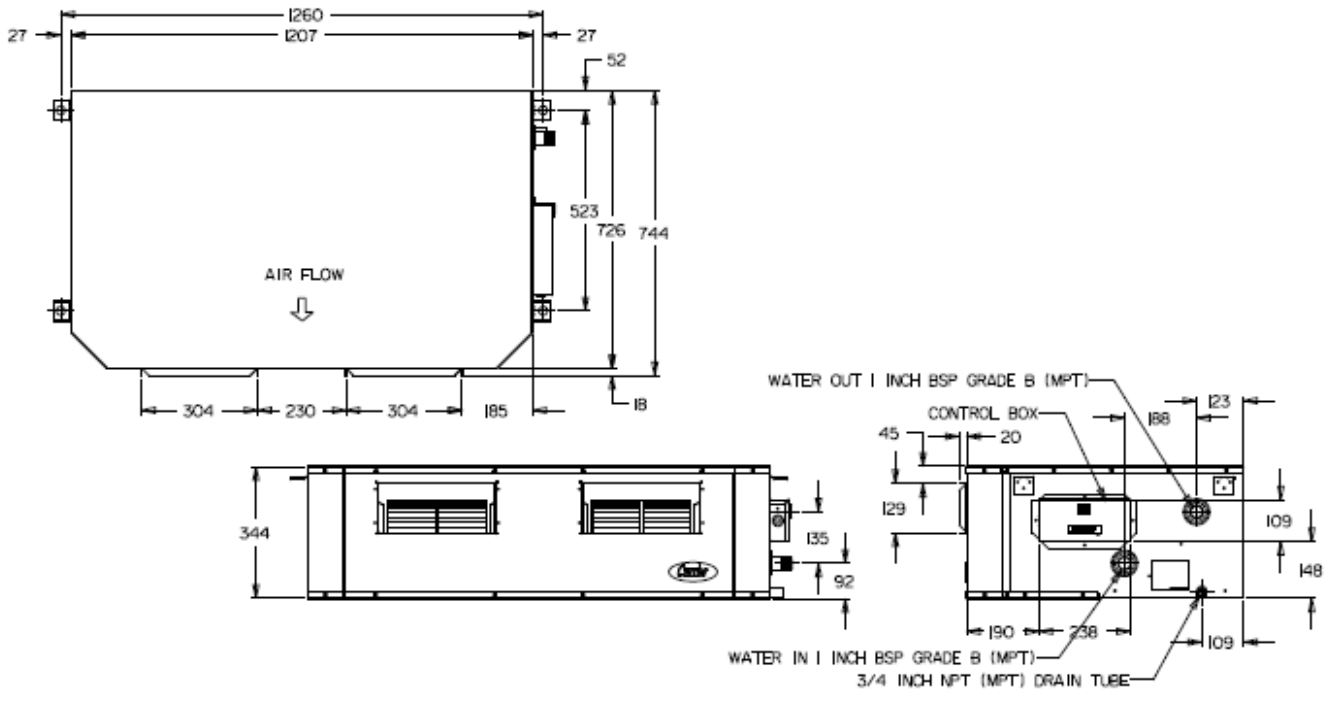


Physical Dimensions

40LM040 / 050 / 060

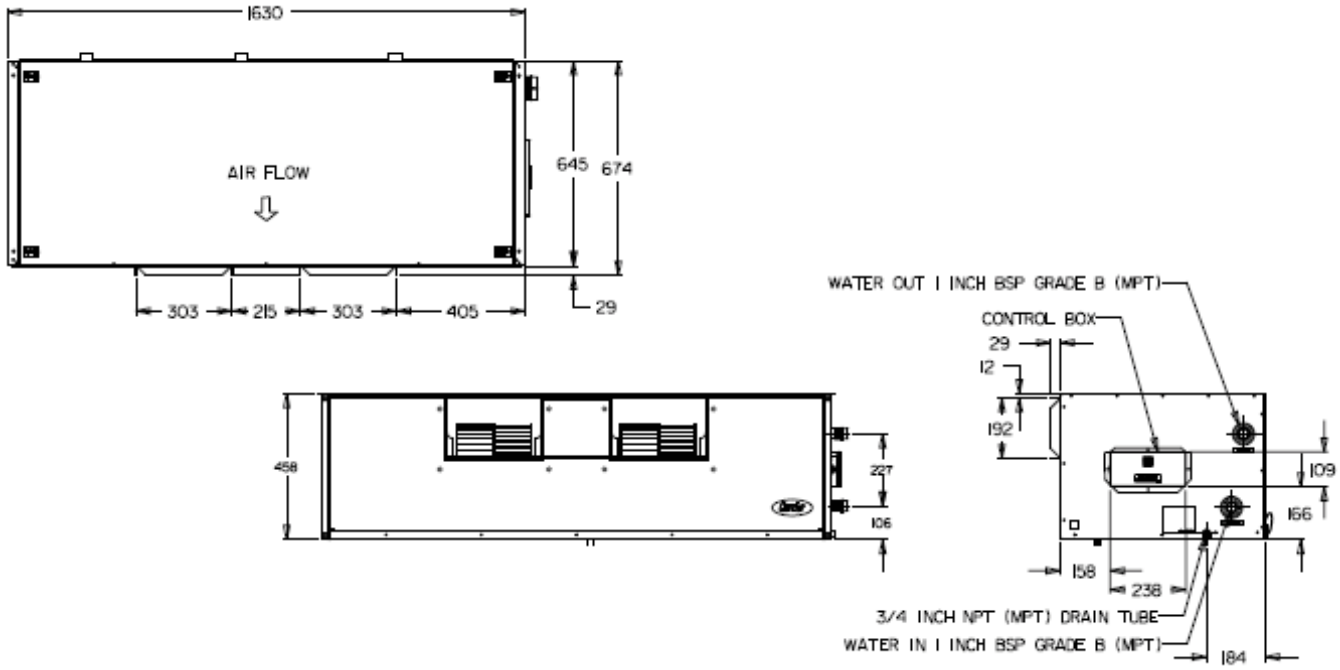


40LM070

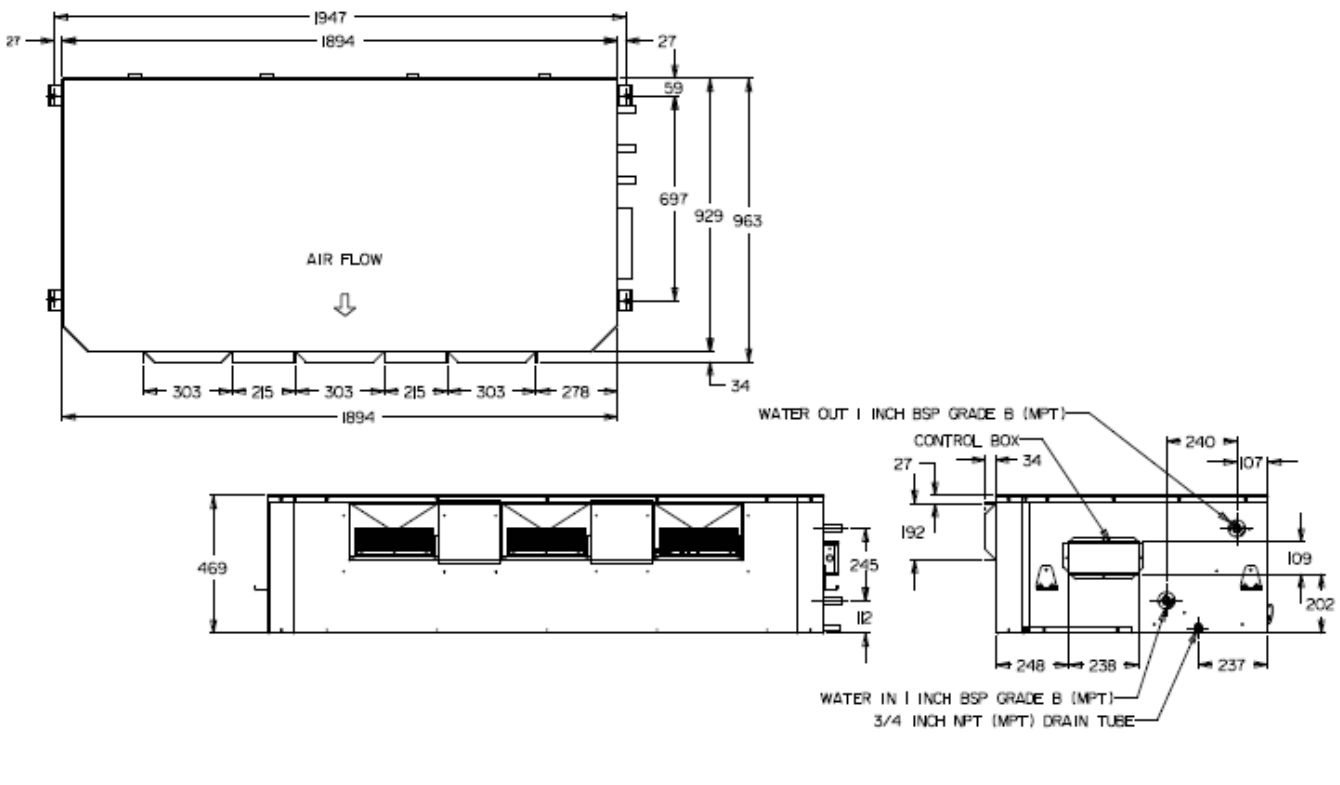


Physical Dimensions

40LM100 / 120

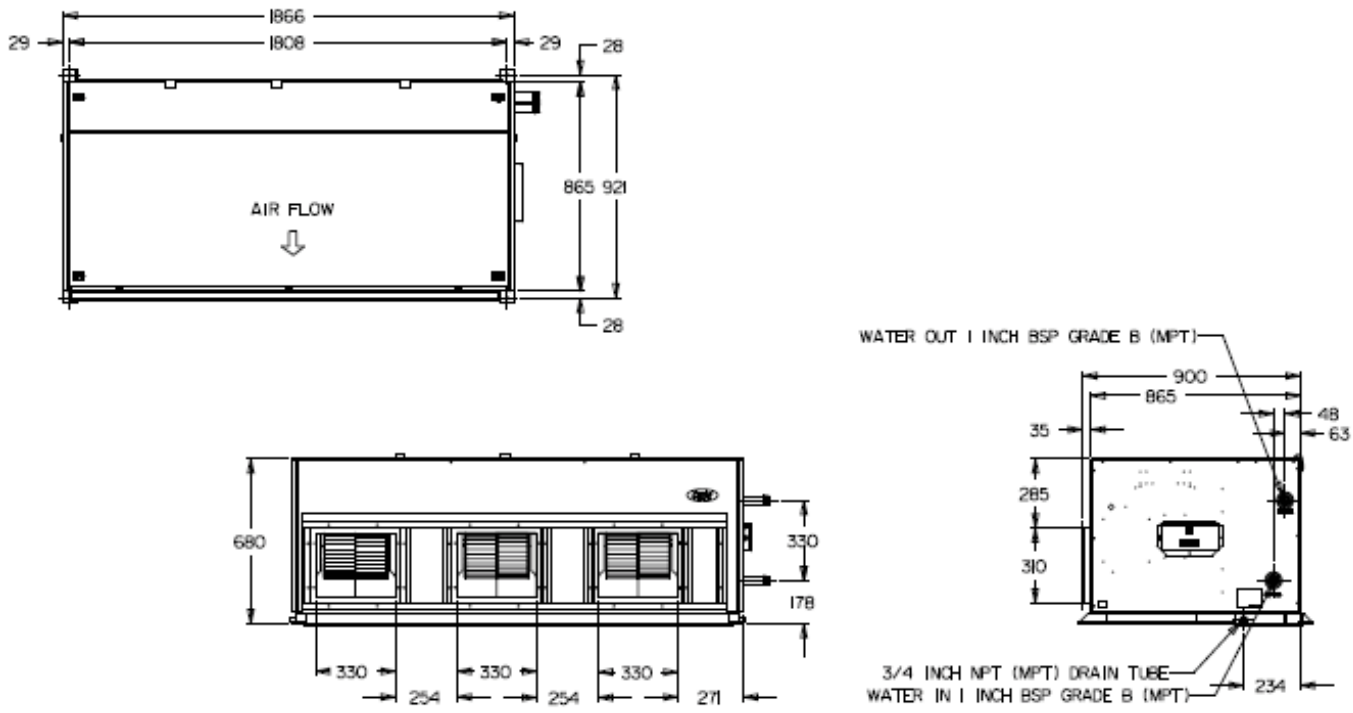


40LM150



Physical Dimensions

40LM200



Preliminary Checks

Ensure installation personnel are familiar with each of the following requirements before installing the unit:

Space Requirement and Clearance

Ceiling or Mounting Strength

Piping Connections

Condensate Drain Connection

Power Supply and Wiring

Air Duct Connections

Location, Mounting and Isolation

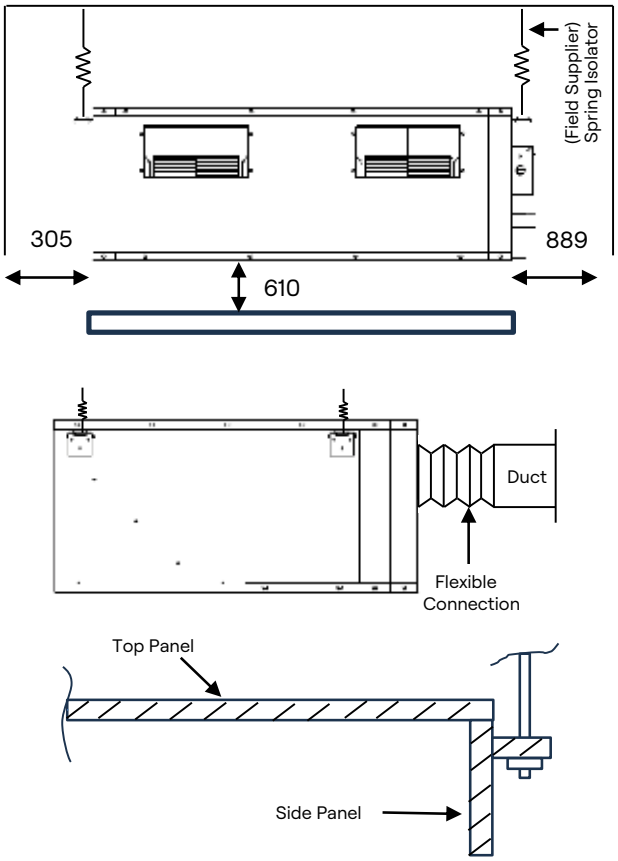
The unit should be installed for horizontal discharge only. Suspend the unit horizontally using factory-provided holes located on the top side flanges.

Do not restrict service areas. Refer to the diagram on the side for the recommended minimum clearance space.

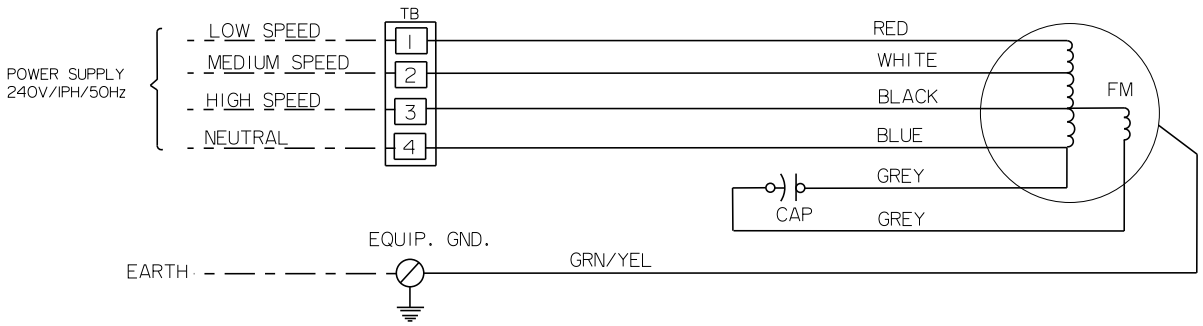
Note: *Clearance space beneath the unit may be levied provided the ceiling offers sufficient access for servicing and maintenance.*

Select and adjust vibration isolators and suspension rods to ensure the unit is uniformly suspended. Please refer to the table for the approximate unit weight and check if ceiling strength is sufficient to support the unit load.

Ductwork should be installed according to the Carrier System Design Manual and all applicable codes. Use flexible connections to minimize duct-to-unit alignment problems and reduce vibration and noise transmission.



Wiring Specifications



NOTE:
FAN MOTOR IS INTERNALLY PROTECTED.

LEGEND:

CAP - CAPACITOR
FM - FAN MOTOR
TB - TERMINAL BLOCK
- — - - FIELD WIRING
——— - FACTORY WIRING
⏚ - EQUIPMENT GROUND

40LM540-001

NOTE

More than a century of cool

In 1902, a determined engineer answered one of mankind's most nagging questions: How do we make hot, sticky, indoor air go away? In creating the world's first modern air conditioning system, Willis Carrier forever changed indoor life, and, more than a century later, the corporation that bears his name takes inspiration from his example.

Carrier strives to improve on our founder's breakthroughs, introducing new technologies that make life at home even cooler. Today, a nationwide network of experts continues to advance Willis Carrier's lifework. Your expert Carrier dealer is equipped to evaluate your home and create a customized system designed around your lifestyle.

Carrier

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