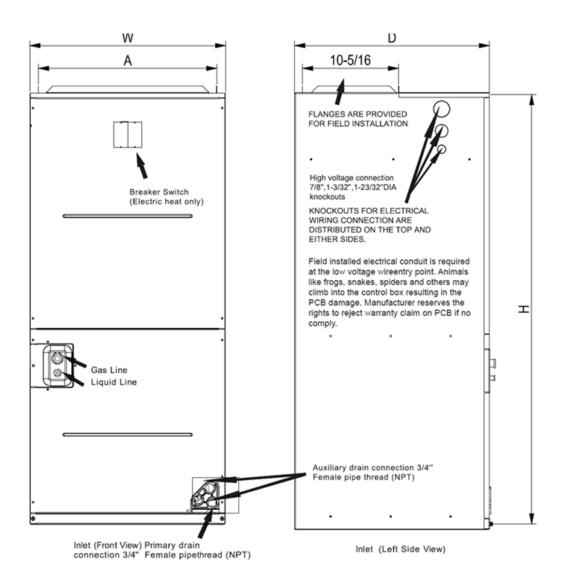
TCL Top Discharge Inverter Type Central System **Heat Pump and AHU**



Unit Dimensions

Model	Dimensions (in.)						
	н	w	D	Α	Liquid Line Connection	Gas Line Connection	
24/36K	46-1/2	21	21	19-1/4	3/8	3/4	
48/60K	56	24-1/2	21	22-3/4	3/8	7/8	

Advantage



Consistent Room Temperature



Universal Match for 24V or 485



High Efficiency And Energy Saving



Multi-protection



Outdoor Unit Installation

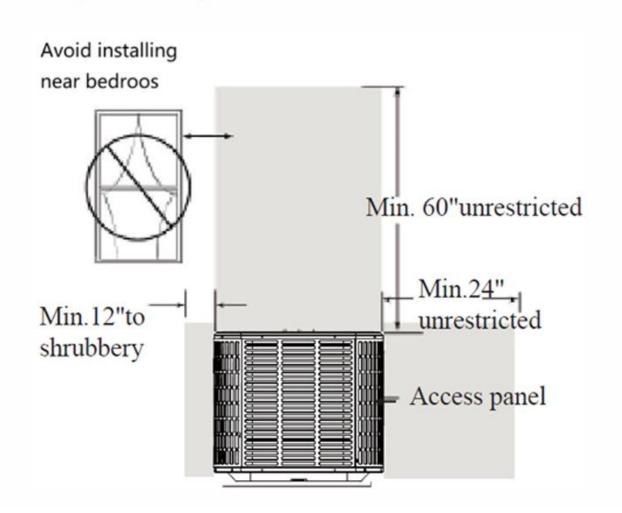


MODEL	Gas Pipe	Liquid Pipe	Maximum pipe length (feet)	Maximum height difference (feet)
24K	3/4'	3/8'	100	50
36K	3/4'	3/8'	100	50
48K	7/8'	3/8'	100	50
60K	7/8'	3/8'	100	50

Outdoor Unit Installation

TCL

Space requirement







Piping Distance

Н	50ft/15m		
L	100ft/30m		

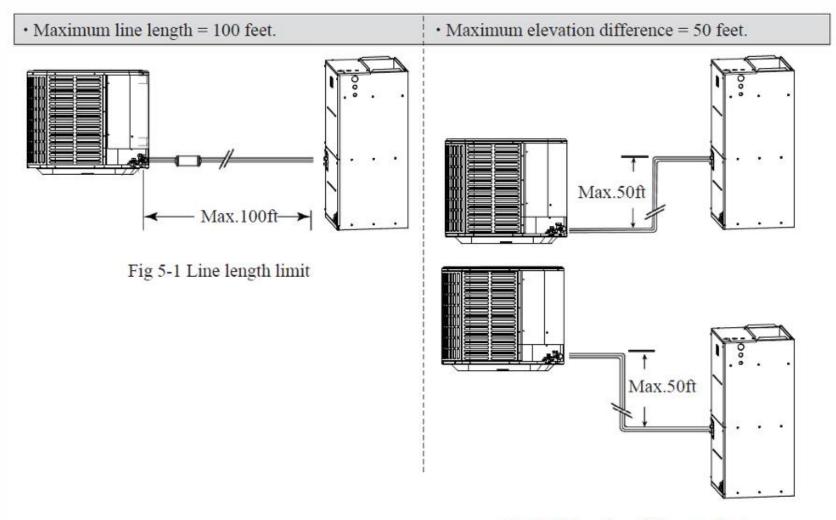


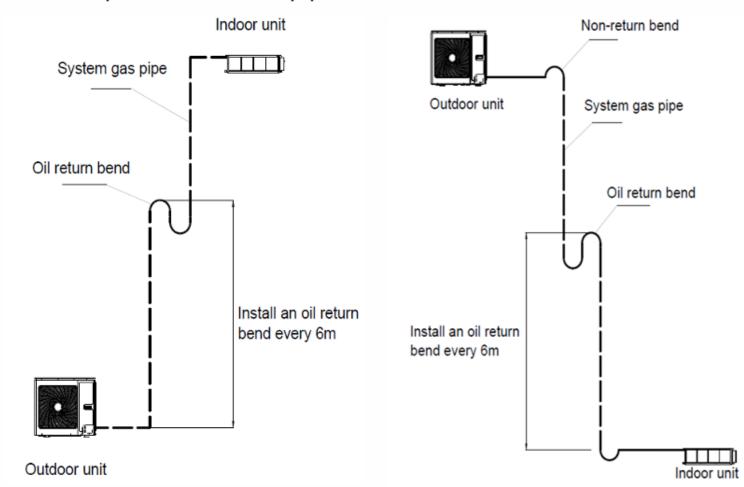
Fig 5-2 Elevation difference limit

Piping/ Pressure/ Vacuum



Oil Trap

All the traps installed on the gas pipe Each 6m(20ft) for 1 oil trap on the vertical pipe.



Piping/ Pressure/ Vacuum



Additional Refrigerant

Model	24K	36K	48K	60K
Length of pipe with standard charge(ft)	25	25	25	25
Refrigerant capacity of standard charge(bls)	4.74	6.28	8.82	8.82
The longest pipe length(ft)	100	100	165	165
Additional refrigerant charge(bls/ft)	0.0335	0.0335	0.0335	0.0335
Max. diff. in level between indoor and outdoor unit(ft)	50	50	50	50



Operation after connecting the power

- (1) If all the above works are finished, power on the unit.
- (2) If the outside temperature is more than 30°C(86°F), heating mode can't be enabled.
- (3) Before test operation, make sure unit is power on and compressor has been preheated for more than 8 hours. Touch the unit to check whether it's normally preheated. Start test operation after unit is normally preheated, otherwise compressor might be damaged. Debugging must be performed by professional technicians or under the guide of professional technicians.
- (4) Make sure the units can run normally.
- (5) If there's sound of liquid shock when the compressor is running, then stop the air conditioner immediately. Wait until the electric heating belt is heated enough, and then restart the air conditioner.

Consistent Room Temperature

TCL Inverter Technology keeps the Room temperature changes within ±1°F





Smart Control







24V thermostat

Compatible to all 3rd party 24V thermostat





RS485 Wired controller

To activate smart functions such as dehumidification, energy saving, sleep mode, etc.



DC-inverter Compressor

All outdoor units use DC variable frequency compressors, with intelligent adjustment of operating frequency, more precise temperature control, greater efficiency, and more reliable safety control.

High Efficiency and Energy Saving

SEER2 reaches up to 19, reliable low temp heating as

low as -4°F





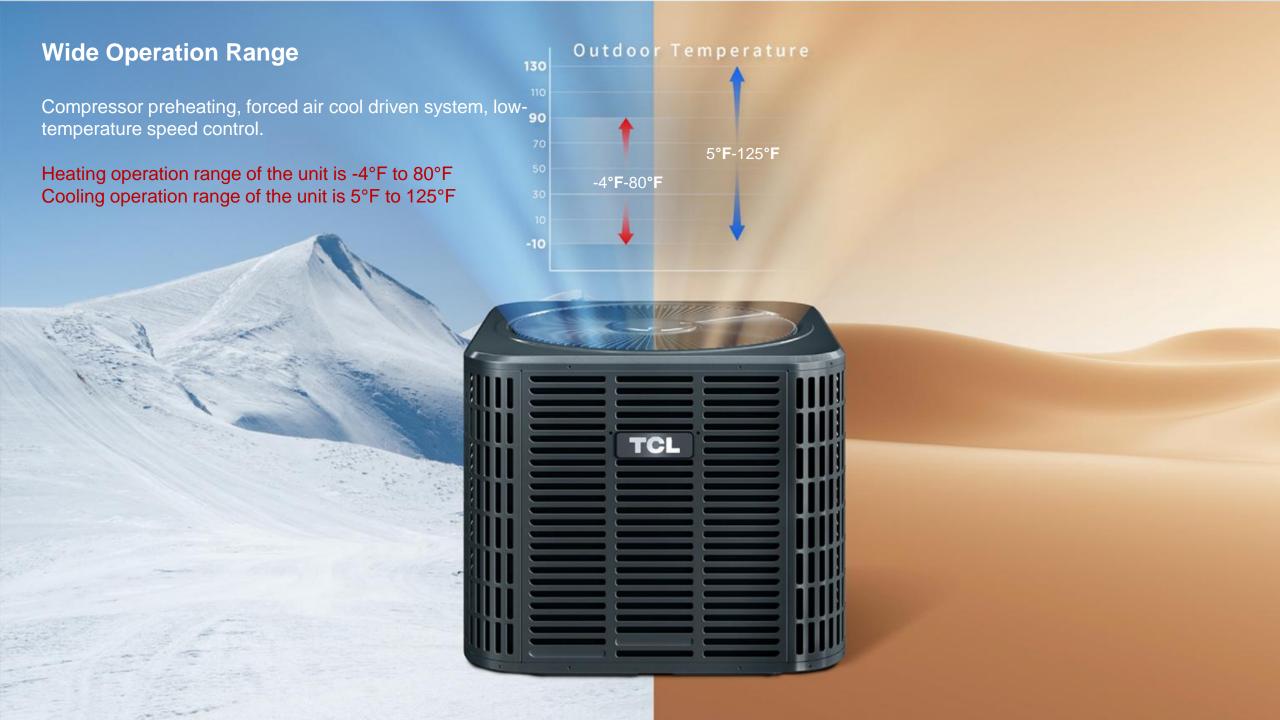
Easy Access for Wiring



Wide Voltage Operation

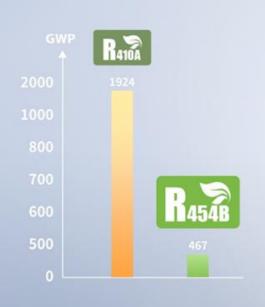
Full DC compressor and motor, combined with a high-reliability electronic control box, can achieve stable operation with a wide voltage range of 187-253V.





Environmentally-friendly Refrigerant

Come with the latest R454B environmentally friendly refrigerant, healthy, pollution-free, green, and more energy-efficient.







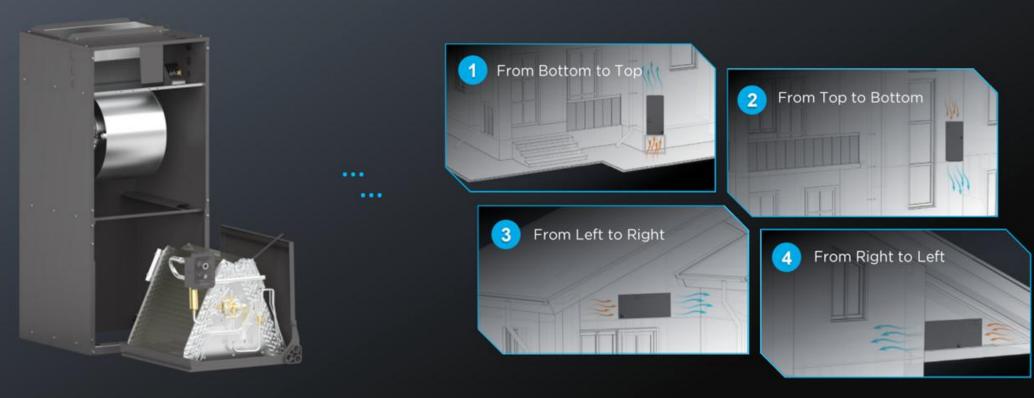
0.8 in. W.S.

Consistent Air Flow

The indoor unit is equipped with a constant torque fan, consistent air output under different static pressures, and is fearless of static pressure challenges.

(0.8 ESP)

4-way Installation



Pull-out Drain Pan & Evaporator



