

# TMAC™ Series

## Trailer Mounted Air Conditioners and Heat Pumps

### Mobile Cooling Systems for Industry

25 Ton Heat Pump



Highway Compliant

50 Ton AC System



Dual 40-Ton  
AC System



*Skid Mounted* and *Trailer Mounted* Models  
from 10 Tons to 100 Tons in General Purpose,  
and Explosion proof designs



**SCIENTIFIC  
SYSTEMS  
CORPORATION**  
www.severeduty.com

## TMAC™ Series Mobile Air Conditioners

Optional Finned Tubular  
Electric Reheat

Highway Ready Light  
and Reflector Package



Rear View with Four Supply  
and Return Connections  
for One-Pass or  
Recirculating Air Flow

Weather Tight  
Control Panel with  
Digital Temperature Indicators



Power Phase Monitor  
Protects Against  
Improper Power Connects

Filter Compartment  
Accessible From  
Both Sides



Single, Double or Triple Axle Models Available

**At Scientific Systems Corporation** our proving grounds for mobile air conditioning has been industrial refineries, chemical plants, steel mills, offshore oil and gas platforms and military and aerospace facilities worldwide.

Years of experience in designing and manufacturing Severe Duty and Explosion Proof HVAC systems have lead us to the forefront in mobile and portable systems.

**10 Ton model**



## TMAC™ Series Mobile Air Conditioners

Select model based on cooling capacity and voltage from the chart below. Add options to suit your needs.  
Example: TMAC-2500-D-HWY-CD-EH-HP-CM-DTI. This is a 25-ton heat pump for 460 volt service. The unit is equipped with supplemental electric heat, highway ready package, condensate pump, cam locks and digital temperature indicators.

Model Number	Nominal Tons Cooling	Cooling Capacity BTU/Hr	Air Flow CFM	Voltage*	Circuit Breaker Size (AMPS)
TMAC-1000-C	10 Tons	120,000	4,000	208-230/3/60	60 AMPS
TMAC-1000-D	10 Tons	120,000	4,000	460/3/60	30 AMPS
TMAC-1500-C	15 Tons	180,000	6,000	208-230/3/60	80 AMPS
TMAC-1500-D	15 Tons	180,000	6,000	460/3/60	40 AMPS
TMAC-2000-C	20 Tons	240,000	7,500	208-230/3/60	125 AMPS
TMAC-2000-D	20 Tons	240,000	7,500	460/3/60	60 AMPS
TMAC-2500-C	25 Tons	300,000	9,400	208-230/3/60	125 AMPS
TMAC-2500-D	25 Tons	300,000	9,400	460/3/60	80 AMPS
TMAC-3000-C	30 Tons	360,000	11,000	208-230/3/60	150 AMPS
TMAC-3000-D	30 Tons	360,000	11,000	460/3/60	100 AMPS
TMAC-4000-C	40 Tons	480,000	12,000	460/3/60	125 AMPS
TMAC-5000-D	50 Tons	600,000	14,000	460/3/60	125 AMPS
TMAC-6000-D	60 Tons	720,000	16,000	460/3/60	150 AMPS

*Other Models available upon request. Consult factory for engineering data sheets and additional specifications.*

### OPTION

- **OR** **Off Road Package** - Standard base model. Excludes all features in -HWY package
- **HWY** **Highway Ready Package** - includes surge brakes, spare tire, light and reflector package, license plate holder, VIN registration and certificate of origin.
- **CD** **Condensate Pump** - A condensate pump located in the evaporator drain pan allows pumping of condensed moisture to a safe location.
- **EH(\*)** **Electric Heat** - Add electric heat for use in heating and cooling applications. Rugged Finned Tubular heating elements available in 15 kW, 40 kW, 65 kW and 90 kW on most models.
- **HP** **Heat Pump** - Adds reversing cycle for heating for outdoor temperatures above 45°F.
- **CM** **Cam Locks** - Quick connect Cam Lock electrical plugs replace power line cord.
- **DTI** **Digital Temperature Indicators** - Two digital displays mounted on the control console display supply and return air temperatures.
- **RT** **Remote Thermostat** - With 125 ft. cord allows temperature control from within the air conditioned space. Mount Thermostat inside build for precise control.
- **PLX** **Plexiglass Cover** - Weather tight door with plexiglass window protects the control panel from the elements while allowing operator to view controls.