

# Troubleshooting Chart

INSUFFICIENT OR NO COOLING

CHECK A/C SWITCHES  
COMPRESSOR CLUTCH  
AND AIR OUTPUT

EVAPORATOR NOT COOLING  
AIR FLOW OK

COOLING PERFORMANCE OK  
AIR FLOW NOT NORMAL

CHECK RETURN AIR FILTER  
EVAP. BLOWER AND VOLTAGE

VERIFY PERFORMANCE OK

CHECK REFRIGERANT LEVEL  
IN SIGHT GLASS

TUBE/FIN CONDENSER COIL  
BUBBLES IN SIGHT GLASS

CHECK SYSTEM  
HEAD PRESSURES

LOW SIDE ABOVE NORMAL  
HIGH SIDE ABOVE NORMAL

CHECK RETURN AIR  
FOR HIGH HEAT SOURCE

CHECK EXPANSION VALVE

VERIFY COOLING  
PERFORMANCE OK

LOW SIDE BELOW NORMAL  
HIGH SIDE NORMAL

CHECK REFRIGERANT LEVEL,  
RETURN AIR FILTER, DRIER

VERIFY COOLING  
PERFORMANCE OK

LEAK LOCATED  
RECOVER REFRIGERANT  
REPAIR LEAKS

EVACUATE AND RECHARGE  
TO CLEAR SIGHT GLASS

VERIFY COOLING  
PERFORMANCE OK

LEAK CHECK  
COMPLETE SYSTEM

NO LEAKS FOUND

AIR IN SYSTEM

EVACUATE AND RECHARGE

VERIFY COOLING  
PERFORMANCE OK

LOW SIDE ABOVE NORMAL  
HIGH SIDE ABOVE NORMAL

SYSTEM OVER CHARGED  
RECOVER AND RECHARGE

VERIFY COOLING  
PERFORMANCE OK