







DIAGNOSTIC CHART FOR STANDARD TXV SYSTEM

TXV SYSTEM	SUCTION PRESSURE	HEAD PRESSURE	SUPERHEAT	SUBCOOL	COMP AMPS	DELTA T AT EVAP	OIL LEVEL
LIQUID LINE RESTRICTION OF SOME KIND, INCLUDING BAD TXV	↓	NORMAL OR SLIGHTLY LOW	↑	NORMAL OR SLIGHTLY HIGH	↓	↓	NORMAL OR SLIGHTLY LOW
OVERFEEDING / LOOSE BULB / UNISNULATED BULB	↑	↓	↓	↓	↓	↓	NORMAL OR SLIGHTLY HIGH
SLIGHTLY LOW CHARGE	NORMAL OR SLIGHTLY LOW	↓	NORMAL	↓	↓	NORMAL OR SLIGHTLY LOW	NORMAL
VERY LOW CHARGE	↓	↓	↑	↓	↓	↓	↓
SLIGHTLY OVER CHARGE	NORMAL OR SLIGHTLY HIGH	↑	NORMAL	↑	↑	NORMAL	NORMAL
VERY OVER CHARGE	↑	↑	↓	↑	↑	NORMAL OR SLIGHTLY HIGH	NORMAL OR SLIGHTLY HIGH
LOW EVAP FLOW	↓	NORMAL OR SLIGHTLY LOW	↓	NORMAL OR SLIGHTLY LOW	NORMAL OR SLIGHTLY LOW	↑	NORMAL
TOO MUCH OIL IN THE SYSTEM / REFRIGERANT	↓	↓	↓	↑	NORMAL	↓	↑

DIAGNOSTIC CHART FOR STANDARD TXV SYSTEM

TXV SYSTEM	SUCTION PRESSURE	HEAD PRESSURE	SUPERHEAT	SUBCOOL	COMP AMPS	DELTA T AT EVAP	OIL LEVEL
AIR OR NON CONDENSIBLES IN THE SYSTEM							NORMAL
UNDERSIZED EQUIPMENT WHEN RUNNING AND NOT MAKING SPACE TEMP	NORMAL OR SLIGHTLY HIGH	NORMAL OR SLIGHTLY HIGH	NORMAL OR SLIGHTLY HIGH	NORMAL OR SLIGHTLY LOW	NORMAL OR SLIGHTLY HIGH	NORMAL	NORMAL