

Refrigeration system report

Refrigerant R - 22

Evaporator	suction line temperature =	42.1 F (5.6 C)
	suction line pressure =	60 PSI-G (413.7 KPA-G / 4.14 Bar-G)
	suction line saturation temp =	33.9 F (1.0 C)
	suction line superheat =	8.2 F (4.6 C)
Condensor	suction line temperature =	47.6 F (8.7 C)
	suction line pressure =	58 PSI-G (399.9 KPA-G / 4.00 Bar-G)
	suction line saturation temp =	32.4 F (0.2 C)
	suction line superheat =	15.2 F (8.5 C)
Piping	suction line superheat gain =	7.0 F (3.9 C)
	suction line pressure drop =	2 PSI (0.14 KPA)
Evaporator	liquid line temperature =	80 F (26.7 C)
	liquid line pressure =	185 PSI-G (1,275.5 KPA-G / 12.76 Bar-G)
	liquid line saturation temp =	96.1 F (35.6 C)
	liquid line subcooling =	16.1 F (9.0 C)
Condensor	liquid line temperature =	82 F (27.8 C)
	liquid line pressure =	189 PSI-G (1,303.1 KPA-G / 13.03 Bar-G)
	liquid line saturation temp =	97.6 F (36.4 C)
	liquid line subcooling =	15.6 F (8.6 C)
Piping	liquid line subcooling gain =	0.5 F (0.4 C)
	liquid line pressure drop =	4 PSI (0.27 KPA)
Condensor	discharge temperature =	120 F (48.9 C)
	discharge line pressure =	191 PSI-G (1,316.9 KPA-G / 13.17 Bar-G)
	discharge saturation temp =	98.3 F (36.8 C)
	discharge superheat =	21.7 F (12.1 C)