

TROUBLE DIAGNOSIS

PERFORMANCE CHART

Test Condition

Testing must be performed as follows:

Vehicle location	Indoors or in the shade (in a well-ventilated place)
Doors	Closed
Door window	Open
Hood	Open
TEMP.	Max. COLD
Mode control dial	(Ventilation) set
Intake switch	(Recirculation) set
Fan (blower) speed	Max. speed set
Engine speed	Idle speed

Operate the air conditioning system for 10 minutes before taking measurements.

Test Reading

Recirculating-to-discharge Air Temperature Table

Inside air (Recirculating air) at blower assembly inlet		Discharge air temperature at center ventilator °C (°F)
Relative humidity %	Air temperature °C (°F)	
50 - 60	15 (59)	2.8 - 3.9 (37.0 - 39.0)
	20 (68)	5.3 - 7.7 (41.5 - 45.9)
	25 (77)	8.9 - 12.0 (48.0 - 53.6)
	30 (86)	13.0 - 16.7 (55.4 - 62.1)
	35 (95)	18.2 - 22.0 (64.8 - 71.6)
60 - 70	15 (59)	3.9 - 6.0 (39.0 - 42.8)
	20 (68)	7.7 - 10.0 (45.9 - 50.0)
	25 (77)	12.0 - 14.4 (53.6 - 57.9)
	30 (86)	16.7 - 19.8 (62.1 - 67.6)
	35 (95)	22.0 - 26.0 (71.6 - 78.8)

Ambient Air Temperature-to-operating Pressure Table

Ambient air		High-pressure (Discharge side) kPa (kg/cm ² , psi)	Low-pressure (Suction side) kPa (kg/cm ² , psi)
Relative humidity %	Air temperature °C (°F)		
50 - 70	15 (59)	600 - 770 (6.12 - 7.86, 87.0 - 111.7)	165 - 220 (1.68 - 2.24, 23.9 - 31.9)
	20 (68)	640 - 840 (6.53 - 8.57, 92.8 - 121.8)	170 - 235 (1.73 - 2.40, 24.7 - 34.1)
	25 (77)	790 - 1,030 (8.06 - 10.5, 114.6 - 149.4)	185 - 255 (1.89 - 2.60, 26.8 - 37.0)
	30 (86)	1,050 - 1,340 (10.7 - 13.7, 152.3 - 194.3)	205 - 290 (2.10 - 2.96, 29.7 - 42.1)
	35 (95)	1,055 - 1,345 (10.8 - 13.7, 153.0 - 195.0)	240 - 335 (2.45 - 3.42, 34.8 - 48.6)