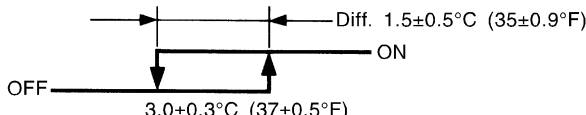


GENERAL DESCRIPTION

HVAC System (Heater, Ventilator and A/C)

2. A/C SYSTEM S701001E4902

● LHD Model:

Item		Specifications	
Type of air conditioner		Reheat air-mix type	
Cooling capacity		5.117 kW (4,400 kcal/h, 17,459 BTU/h)	
Refrigerant		HFC-134a (CH ₂ FCF ₃) [0.65±0.05 kg (1.43±0.11 lb)]	
Compressor	Type	5-vane rotary, fix volume (KC50G)	
	Discharge	140 cm ³ (8.54 cu in)/rev	
	Max. permissible speed	7,000 rpm	
Magnet clutch	Type	Dry, single-disc type	
	Power consumption	38 W	
	Type of belt	V-Ribbed 4 PK	
	Pulley dia. (effective dia.)	125 mm (4.92 in)	
	Pulley ratio	1.064	
Condenser	Type	Corrugated fin (Multi-flow)	
	Core face area	0.255 m ² (2.74 sq ft)	
	Dimensions (W × H × T)	22 × 374 × 683 mm (0.87 × 14.72 × 26.89 in)	
	Radiation area	6.52 m ² (70 sq ft)	
Receiver drier	Effective inner capacity	250 cm ³ (15.26 cu in)	
Expansion valve	Type	Internal equalizing	
Evaporator	Type	Single tank	
	Dimensions (W × H × T)	60 × 224 × 235 mm (2.36 × 8.82 × 9.25 in)	
Blower fan	Fan type	Sirocco fan	
	Outer diameter × width	150 × 75 mm (5.91 × 2.95 in)	
	Power consumption	260 W at 12 V	
Condenser fan (Sub fan)	Motor type	Magnet	
	Power consumption	70 W at 12 V	
	Fan outer diameter	320 mm (12.60 in)	
Radiator fan (Main fan)	Motor type	Magnet	
	Power consumption	70 W at 12 V	
	Fan outer diameter	320 mm (12.60 in)	
Dual switch (Pressure switch)	Low-pressure switch operating pressure	ON → OFF	177±25 kPa (1.80±0.25 kg/cm ² , 25.6±3.6 psi)
		OFF → ON	Less than 216 kPa (2.2 kg/cm ² , 31 psi)
	High-pressure switch operating pressure	ON → OFF	2,940±200 kPa (29.98±2.04 kg/cm ² , 426.3±29.0 psi)
		DIFF	590±200 kPa (6.02±2.04 kg/cm ² , 85.6±29.0 psi)
Compressor relief valve blow-out pressure		3,600±300 kPa (36.71±3.06 kg/cm ² , 522.0±43.5 psi)	
Thermo control amplifier working temperature (Evaporator outlet air)		 <p>Diff. 1.5±0.5°C (35±0.9°F)</p> <p>ON</p> <p>OFF 3.0±0.3°C (37±0.5°F)</p>	

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