

1. Air Conditioning System
A: SPECIFICATIONS

Item		Specifications
Type of air conditioner		Reheat air-mix type
Cooling capacity (IMACA)		4.885 kW (4,200 kcal/h, 16,666 BTU/h)
Refrigerant		HFC-134a (CH ₂ FCF ₃) [0.6 — 0.7 kg (1.3 — 1.5 lb)]
Compressor	Type	Swash plate type (DKS-15CH)
	Discharge	147 cm ³ (8.97 cu in)/rev
	Max. permissible speed	7,000 rpm
Magnet clutch	Type	Dry, single-disc type
	Power consumption	44 W
	Type of belt	V-Ribbed 4 PK
	Pulley dia. (effective dia.)	115 mm (4.53 in)
	Pulley ratio	1.16
Condenser	Type	Corrugated fin (Multi-flow)
	Core face area	0.215 m ² (2.31 sq ft)
	Core thickness	19 mm (0.75 in)
	Radiation area	4.7 m ² (51 sq ft)
Receiver drier	Effective inner capacity	290 cm ³ (17.70 cu in)
Expansion valve	Type	External equalizing
Evaporator	Type	Aℓ-laminate
	Dimensions (W x H x T)	74 x 224 x 235 mm (2.91 x 8.82 x 9.25 in)
Blower fan	Fan type	Sirocco fan
	Outer diameter x width	150 x 75 mm (5.91 x 2.95 in)
	Power consumption	230 W at 12 V
Condenser fan (Sub fan)	Motor type	Magnet
	Power consumption	120 W at 12 V
	Fan outer diameter	320 mm (12.60 in)
Radiator fan (Main fan)	Motor type	Magnet
	Power consumption	120 W at 12 V
	Fan outer diameter	320 mm (12.60 in)
Idling speed with F.I.C.D. in operation	MPFI model	850±50 rpm (700±50 rpm "D" range in AT model)
Dual switch (Pressure switch) High-pressure line	<p>ON ——— 177±20 (1.8±0.2, 26±3) ——— 2,648±196 (27±2, 384±28)</p> <p>OFF ——— 186±29 (1.9±0.3, 27±4) ——— 1,471⁺¹⁹⁶₋₉₈ (15⁺²₋₁, 213⁺²⁸₋₁₄)</p> <p>kPa (kg/cm², psi)</p> <p style="text-align: right;">B4M0083A</p>	
Compressor relief valve blow-out pressure	<p>2,991 (30.5, 434)</p> <p>Valve closes. ——— 3,629±294 (37±3, 526±43) kPa (kg/cm², psi)</p> <p>Valve opens. ———</p> <p style="text-align: right;">B4M0084A</p>	
Thermo control amplifier working temperature (Evaporator outlet air)	<p>Diff. 1.5 ± 0.5°C (35 ± 0.9°F)</p> <p>OFF ——— 3.0 ± 0.5°C (37 ± 0.9°F) ——— ON</p> <p style="text-align: right;">G4M0938</p>	