

TDJS50SAE MULTI - TEMP

Specifications

Mitsubishi CS90 compressor

Item		Type	TDJS50DAE-1L2NB6M50	Remarks	
Inside temperature (RT)		°C	-30 ~ +30		
Ambient temperature (AT)		°C	-10 ~ +40		
Cooling capacity Engine drive (AT=35°C)	RT= 0°C	W (kcal/h)	Total:5250 (4510) <Front: 2750 (2360) / Rear: 2500 (2150)>	Compressor revolution Nc=2850 min ⁻¹ (Equivalent vehicle speed 40km/h) Simultaneous operation at front/rear compartments	
	RT=- 18°C		Total:2950 (2530) <Front: 1550 (1330) / Rear: 1400 (1200)>		
Refrigerant	Name		R404A		
	Charge amount	kg	2.9	Piping length to rear evaporator is 5 m. Add 0.05 kg per piping extension of 1 m.	
Refrigeration oil	Name		Nippon Oil Corporation (ENEOS) Diamond Freeze MA32R		
	Charge volume	cc	800		
Compressor driving method			Belt drive by vehicle engine		
DC power source			Vehicle battery		
DC power consumption		W	<for DC24V vehicle> 600 (Motor terminal voltage 27V)	<Measurement condition> JIS B8614	
Defroster			Non-condensing hot gas defrost type (Automatic timer or manual)		
Safety device			High pressure switch, Fusible plug		
Total weight		kg	149	Excluding special part for each vehicle	
Refrigeration unit	Type		TDJS50A-L2M	The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1585 x H695 x D530		
	Evaporator		ø 220 turbo fan & DC brush less fan motor x 2		
	fan	Flow rate	m ³ /h		1270
		Revolution	min ⁻¹		2450
		Power	W		165
	Air reach	m	9.2		
	Condenser		ø 320 propeller fan & DC brush less fan motor x 2		
	fan	Flow rate	m ³ /h		1760
		Revolution	min ⁻¹		2100
		Power	W		155
Weight	kg	80.2			
Evaporator unit for compartment B (Rear)	Type		TDS50EX2	The fan characteristic is at motor terminal voltage of 27V.. (JIS B8614)	
	Dimension	mm	W1520 x H151 x D623		
	Evaporator		ø 220 turbo fan & DC brush less fan motor x 2		
	fan	Flow rate	m ³ /h		1300
		Revolution	min ⁻¹		2450
		Power	W		165
	Air reach	m	8.3		
Weight	kg	29.7			
Compressor	Type		CS90R6	Open 3D scroll	
	Dimension	mm	ø 130 x L220		
	Displacement	cc/rev	92		
	Clutch outer dia.	mm	ø 95.0		
	Clutch power	W	40		
	Belt		Ribbed belt PK6-rib x 1		
Weight	kg	6.7	Including magnet clutch		
Accessory weight		kg	32.7		

TDJS50SAE MULTI - TEMP

Specifications

Mitsubishi CS150 compressor

Item		Type	TDJS50DAEM-1L2ND6M50	TDJS50DAEM-1L2NDVM50	Remarks
Inside temperature (RT)		°C	- 30 ~ +30		
Ambient temperature (AT)		°C	- 10 ~ +40		
Cooling capacity Engine drive (AT=35°C)	RT= 0°C	W (kcal/h)	Total:5600 (4810) <Front: 2950 (2530) / Rear: 2650 (2280)>	Total:5400 (4640) <Front: 2800 (2410) / Rear: 2600 (2230)>	Compressor revolution Nc=2350 min ⁻¹ (Ribbed belt) Nc=2050 min ⁻¹ (V belt) (Equivalent vehicle speed 40km/h) Simultaneous operation at front/rear compartments
	RT=- 18°C		Total:2450 (2110) <Front:1130 (970) / Rear: 1320 (1140)>	Total:3150 (2710) <Front: 1650 (1420) / Rear: 1500 (1290)>	
Refrigerant	Name		R404A		
	Charge amount	kg	2.9		Piping length to rear evaporator is 5 m. Add 0.05 kg per piping extension of 1 m.
Refrigeration oil	Name		Nippon Oil Corporation (ENEOS) Diamond Freeze MA32R		
	Charge volume	cc	800		
Compressor driving method			Belt drive by vehicle engine		
DC power source			Vehicle battery		
DC power consumption		W	<for DC24V vehicle> 600 (Motor terminal voltage 27V)		<Measurement condition> JIS B8614
Defroster			Non-condensing hot gas defrost type (Automatic timer or manual)		
Safety device			High pressure switch, Fusible plug		
Total weight		kg	152		Excluding special part for each vehicle
Refrigeration unit	Type		TDJS50A-L2M		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)
	Dimension	mm	W1585 x H695 x D530		
	Evaporator fan		ø 220 turbo fan & DC brush less fan motor x 2		
	Flow rate	m ³ /h	1270		
	Revolution	min ⁻¹	2450		
	Power	W	165		
	Air reach	m	9.2		
	Condenser fan		ø 320 propeller fan & DC brush less fan motor x 2		
	Flow rate	m ³ /h	1760		
	Revolution	min ⁻¹	2100		
	Power	W	155		
Weight	kg	80.2			
Evaporator unit for compartment B (Rear)	Type		TDS50EX2		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)
	Dimension	mm	W1520 x H151 x D623		
	Evaporator fan		ø 220 turbo fan & DC brush less fan motor x 2		
	Flow rate	m ³ /h	1300		
	Revolution	min ⁻¹	2450		
	Power	W	165		
	Air reach	m	8.3		
Weight	kg	29.7			
Compressor	Type		CS150R6	CS150B1	Open 3D scroll Including magnet clutch
	Dimension	mm	ø 140 x L250		
	Displacement	cc/rev	144.5		
	Clutch outer dia.	mm	ø 115	ø 132.7	
	Clutch power	W	43		
	Belt		Ribbed belt PK6-rib x 1	V belt B type x 1	
	Weight	kg	9.2	9.4	
Accessory weight	kg	32.7			