

TDJS70SAE MULTI - TEMP

Specifications

Mitsubishi CS90 compressor

Item		Type	TDJS70DZAEM-1L2NC6M60	TDJS70DZAEM-1L2NCVM60	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:7050 (6060) <Front: 3850 (3310) / Rear: 3200 (2750)>	Total:5850 (5030) <Front:3150 (2710) / Rear: 2700 (2320)>	Compressor revolution Nc=2850 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:3950 (3400) <Front:2050 (1760) / Rear: 1900 (1630)>	Total:3150 (2710) <Front: 1550 (1330) / Rear: 1600 (1380)>		
Refrigerant	Name		R404A			
	Charge amount	kg	3.7		Piping length to rear evaporator is 5 m. Add 0.05 kg per piping extension of 1 m.	
Refrigera- tion 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> 990 (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	184	185	Excluding special part for each vehicle	
Refrigera- tion unit	Type		TDJS70A-L2M		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1900 x H695 x D530			
	Evaporator		ø 220 turbo fan & DC brush less fan motor x 3			
	fan	Flow rate	m ³ /h	1650		
		Revolution	min ⁻¹	2450		
		Power	W	245		
	Air reach	m	9.7			
	Condenser		ø 320 propeller fan & DC brush less fan motor x 3			
	fan	Flow rate	m ³ /h	2810		
		Revolution	min ⁻¹	2100		
		Power	W	235		
Weight	kg	105.4				
Evaporator unit for compart- ment B (Rear)	Type		TDS60EX2		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 3			
	fan	Flow rate	m ³ /h	1690		
		Revolution	min ⁻¹	2450		
		Power	W	245		
	Air reach	m	7.1			
Weight	kg	31.6				
Com- pressor	Type		CS90ER6	CS90EB1	Open 3D scroll Including magnet clutch	
	Dimension	mm	ø 130 x L220			
	Displacement	cc/rev	92			
	Clutch outer dia.	mm	ø 95	ø 126.7		
	Clutch power	W	40			
	Belt		Ribbed belt PK6-rib x 1	V belt B type x 1		
	Weight	kg	7.2	7.6		
Accessory weight		kg	40			

TDJS70SAE MULTI - TEMP

Specifications

Mitsubishi CS150 compressor

Item		Type	TDJS70DZAEM-1L2NE6M60	TDJS70DZAEM-1L2NEVM60	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:7700 (6620) <Front: 4300 (3700) / Rear: 3400 (2920)>	Total:7250 (6240) <Front: 4050 (3480) / Rear: 3200 (2750)>	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:4500 (3870) <Front:2450 (2110) / Rear: 2050 (1760)>	Total:4100 (3530) <Front: 2200 (1890) / Rear: 1900 (1630)>		
Refrigerant	Name		R404A			
	Charge amount	kg	3.7		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> 990 (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	187		Excluding special part for each vehicle	
Refrigeration unit	Type		TDJS70A-L2M		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1900 x H695 x D530			
	Evaporator fan	Evaporator		ø 220 turbo fan & DC brush less fan motor x 3		
		Flow rate	m ³ /h	1650		
		Revolution	min ⁻¹	2450		
		Power	W	245		
	Air reach	m	9.7			
	Condenser fan	Condenser		ø 320 propeller fan & DC brush less fan motor x 3		
		Flow rate	m ³ /h	2810		
		Revolution	min ⁻¹	2100		
		Power	W	235		
	Weight	kg	105.4			
Evaporator unit for compartment B (Rear)	Type		TDS60EX2		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1520 x H151 x D623			
	Evaporator fan	Evaporator		ø 220 turbo fan & DC brush less fan motor x 3		
		Flow rate	m ³ /h	1690		
		Revolution	min ⁻¹	2450		
		Power	W	245		
	Air reach	m	7.1			
Weight	kg	31.6				
Compressor	Type		CS150ER6	CS150EB1	Open 3D scroll	
	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	9.8	9.9		Including magnet clutch
Accessory weight		kg	40			