

# TDJS35SAE MULTI - TEMP

## Specifications

Mitsubishi CS55 Sanden / Unicla compressor

Item		Type	TDJS35DAE-1L1NA6M40 TDJS35DAE-1L2NA6M40	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:3500 (3010) <Front: 1750 (1505) / Rear: 1750 (1505)>	Compressor revolution Nc=2750 min <sup>-1</sup> (Equivalent vehicle speed 40km/h) Simultaneous operation at front/rear compartments	
	RT=-18°C		Total:1750 (1505) <Front: 800 (690) / Rear: 950 (815)>		
Refrigerant	Name		R404A		
	Charge amount	kg	2.5	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> 610 (Motor terminal voltage 27V) <for DC12V vehicle> 610 (Motor terminal voltage 13.5V)	<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	129	Excluding special part for each vehicle	
Refrigeration unit	Type		TDJS35A-L1M, TDJS35A-L2M	The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1585 x H695 x D470		
	Evaporator fan				ø 220 turbo fan & DC brush less fan motor x 2
		Flow rate	m <sup>3</sup> /h		1300
		Revolution	min <sup>-1</sup>		2450
		Power	W		165
	Air reach	m	9.6		
	Condenser fan				ø 270 propeller fan & DC fan motor with brush x 2
		Flow rate	m <sup>3</sup> /h		1510
		Revolution	min <sup>-1</sup>		2350
		Power	W		165
Weight	kg	71			
Evaporator unit for compartment B (Rear)	Type		TDS40EX1, TDS40EX2	The fan characteristic is at motor terminal voltage of 27V.. (JIS B8614)	
	Dimension	mm	W1216 x H151 x D623		
	Evaporator fan				ø 220 turbo fan & DC brush less fan motor x 2
		Flow rate	m <sup>3</sup> /h		1270
		Revolution	min <sup>-1</sup>		2450
		Power	W		165
	Air reach	m	7.9		
Weight	kg	25.4			
Compressor	Type		CS55R6	Open 3D scroll	
	Dimension	mm	ø 113 x L179		
	Displacement	cc/rev	52		
	Clutch outer dia.	mm	ø 95.0		
	Clutch power	W	40		
	Belt		Ribbed belt PK6-rib x 1		
Weight	kg	4.0	Including magnet clutch		
Accessory weight		kg	28.2		

# TDJS35SAE MULTI - TEMP

## Specifications

Mitsubishi CS90 compressor

Item		Type	TDJS35DAEM-1L1NB6M40 TDJS35DAEM-1L2NB6M40	TDJS35DAEM-1L1NBVM40 TDJS35DAEM-1L2NBVM40	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:4400 (3780) <Front: 2070 (1780) / Rear: 2330 (2000)>	Total:3900 (3350) <Front: 1800 (1550) / Rear: 2110 (1800)>	Compressor revolution Nc=2750 min <sup>-1</sup> (Ribbed belt) Nc=2050 min <sup>-1</sup> (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:2000 (1720) <Front: 1000 (860) / Rear: 1000 (860)>		
Refrigerant	Name		R404A			
	Charge amount	kg	2.5		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> 610 (Motor terminal voltage 27V) <for DC12V vehicle> 610 (Motor terminal voltage 13.5V)		<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	131	132	Excluding special part for each vehicle	
Refrigeration unit	Type		TDJS35A-L1M, TDJS35A-L2M		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1585 x H695 x D470			
	Evaporator		ø 220 turbo fan & DC brush less fan motor x 2			
	fan	Flow rate	m <sup>3</sup> /h	1300		
		Revolution	min <sup>-1</sup>	2450		
		Power	W	165		
	Air reach	m	9.6			
	Condenser		ø 270 propeller fan & DC fan motor with brush x 2			
	fan	Flow rate	m <sup>3</sup> /h	1510		
		Revolution	min <sup>-1</sup>	2350		
		Power	W	165		
Weight	kg	71				
Evaporator unit for compartment B (Rear)	Type		TDS40EX1<for DC12V>, TDS40EX2<for DC24V>		The fan characteristic is at motor terminal voltage of 27V. (JIS B8614)	
	Dimension	mm	W1216 x H151 x D623			
	Evaporator		ø 220 turbo fan & DC brush less fan motor x 2			
	fan	Flow rate	m <sup>3</sup> /h	1270		
		Revolution	min <sup>-1</sup>	2450		
		Power	W	165		
	Air reach	m	7.9			
Weight	kg	25.4				
Compressor	Type		CS90R6	CS90B1	Open 3D scroll	
	Dimension	mm	ø 130 x L220			
	Displacement	cc/rev	92			
	Clutch outer dia.	mm	ø 95.0	ø 126.7		
	Clutch power	W	40			
	Belt		Ribbed belt PK6-rib x 1	V belt B type x 1		
	Weight	kg	6.7	7.1		Including magnet clutch
Accessory weight		kg	28.2			