

# TDJS50SAE

## Specifications

Mitsubishi - CS90 / CS150 compressor

Item		Type	TDJS50DAE-1L2NB6S	TDJS50DAE-1L2NDVS	Remarks	
Inside temperature (RT)		°C	-30 ~ +30			
Ambient temperature (AT)		°C	-10 ~ +40			
Cooling capacity Engine drive (AT=35°C)	RT=10°C	W (kcal/h)	6400 (5500)	6500 (5590)	Compressor revolution Nc=2850 min <sup>-1</sup> (Ribbed belt) Nc=2050 min <sup>-1</sup> (V belt) (Equivalent vehicle speed 40km/h)	
	RT= 0°C		5000 (4300)	5150 (4430)		
	RT=- 18°C		2900 (2490)	3000 (2580)		
	RT=- 25°C		2300 (1980)	2350 (2020)		
Refrigerant	Name		R404A			
	Charge amount	kg	2.0			
Refrigeration oil	Name		Nippon Oil Corporation (ENEOS) Diamond Freeze MA32R			
	Charge volume	cc	600		Including additional oil of 500 cc	
Compressor driving method			Belt drive by vehicle engine			
DC power source			Vehicle battery			
DC power consumption		W	<for DC24V vehicle> 410 ( 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	101	104	Excluding special part for each vehicle	
Refrigeration unit	Type		TDJS50-1L2		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 <sup>3</sup> /h	1270		
		Revolution	min <sup>-1</sup>	2450		
		Power	W	165		
	Condenser fan			ø 320 propeller fan & DC brush less fan motor x 2		
		Flow rate	m <sup>3</sup> /h	1760		
		Revolution	min <sup>-1</sup>	2100		
		Power	W	155		
Weight	kg	86.9				
Compressor	Type		CS90R6	CS150B1	Open 3D scroll	
	Dimension	mm	ø 130 x L220	ø 140 x L250		
	Displacement	cc/rev	92	144.5		
	Clutch outer dia.	mm	ø 95.0	ø 132.7		
	Clutch power	W	40	43		
	Belt		Ribbed belt PK6-rib x 1	V belt B type x 1		
	Weight	kg	6.7	9.3		Including magnet clutch
Accessory weight		kg	7.3			