

# TDJS70SAE

## Specifications

### Mitsubishi CS90E compressor

Item		Type	TDJS70DZAE-1L2NC6S TDJS70DZAE-1L2NC7S	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)	8200 (7050)	Compressor revolution Nc=2950 min <sup>-1</sup> (Equivalent vehicle speed 40km/h)
	RT= 0°C		6700 (5760)	
	RT=-18°C		3900 (3350)	
	RT=-25°C		2900 (2490)	
Refrigerant	Name		R404A	
	Charge amount	kg	2.8	
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	690 <for DC24V vehicle>	<Measurement condition> Motor terminal voltage: 27V (JIS B 8614)
Defroster			Non-condensing hot gas defrost type (Automatic timer or manual)	
Safety device			High pressure switch Fusible plug	
Total weight		kg	126	Excluding special part for each vehicle
Refrigeration unit	Type		TDJS70-1L2	The fan characteristic is at motor terminal voltage of DC27V (JIS B 8614)
	Dimension	mm	W1900 x H695 x D530	
	Evaporator fan		ø 220 turbo fan & DC brush less fan motor x 4	
	Flow rate	m <sup>3</sup> /h	1820	
	Revolution	min <sup>-1</sup>	2450	
	Power	W	320	
	Air reach	m	11.9	
	Condenser fan		ø 320 propeller fan & DC brush less fan motor x 3	
	Flow rate	m <sup>3</sup> /h	2810	
	Revolution	min <sup>-1</sup>	2100	
	Power	W	235	
Weight		kg	106.9	
Compressor	Type		CS90ER6/R7	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/PK7-rib x 1	
	Weight	kg	7.2	
Accessory weight		kg	11.5	

# TDJS70SAE

## Specifications

Mitsubishi - CS150E compressor

Item		Type	TDJS70DZAE-1L2NE6S TDJS70DZAE-1L2NE7S	TDJS70DZAE-1L2NEVS	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)	8600 (7400)	8200 (7050)	Compressor revolution Nc=2450 min <sup>-1</sup> (Ribbed belt) Nc=2100 min <sup>-1</sup> (V belt) (Equivalent vehicle speed 40km/h)
	RT= 0°C		7000 (6020)	6700 (5760)	
	RT=- 18°C		4200 (3610)	3900 (3350)	
	RT=- 25°C		3200 (2750)	2900 (2490)	
Refrigerant	Name		R404A		
	Charge amount	kg	2.8		
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	690 <for DC24V vehicle>		<Measurement condition> Motor terminal voltage: 27V (JIS B 8614)
Defroster			Non-condensing hot gas defrost type (Automatic timer or manual)		
Safety device			High pressure switch Fusible plug		
Total weight		kg	128		Excluding special part for each vehicle
Refrigeration unit	Type		TDJS70-1L2		The fan characteristic is at motor terminal voltage of DC27V (JIS B 8614)
	Dimension	mm	W1900 x H695 x D530		
	Evaporator fan		ø 220 turbo fan & DC brush less fan motor x 4		
	Flow rate	m <sup>3</sup> /h	1820		
	Revolution	min <sup>-1</sup>	2450		
	Power	W	320		
	Air reach	m	11.9		
	Condenser fan		ø 320 propeller fan & DC brush less fan motor x 3		
	Flow rate	m <sup>3</sup> /h	2810		
	Revolution	min <sup>-1</sup>	2100		
	Power	W	235		
Weight	kg	106.9			
Compressor	Type		CS150ER6/R7	CS150EB1	Open 3D scroll
	Dimension	mm	ø 140 x L250	ø 140 x L250	
	Displacement	cc/rev	144.5	144.5	
	Clutch outer dia.	mm	ø 115.0	ø 132.7	
	Clutch power	W	46	46	
	Belt		Ribbed belt PK6-rib/PK7-rib x 1	V belt B type x 1	
	Weight	kg	9.8	9.9	
Accessory weight		kg	11.5		