

TDJS35SAE

Specifications

Mitsubishi - CS55 Sanden / Unicla compressor

Item		Type	TDJS35DAE-1L1NA6S TDJS35DAE-1L2NA6S	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)	4200 (3610)	Compressor revolution Nc=2750 min ⁻¹ (Equivalent vehicle speed 40km/h)	
	RT= 0°C		3300 (2840)		
	RT=-18°C		1800 (1550)		
	RT=-25°C		1200 (1030)		
Refrigerant	Name		R404A		
	Charge amount	kg	1.7		
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> 420 (Motor terminal voltage 27V) <for DC12V vehicle> 420 (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	86	Excluding special part for each vehicle	
Refrigeration unit	Type		TDJS35-1L ¹ ₂	The fan characteristic is at motor terminal voltage of 27V for DC24V and motor terminal voltage of 13.5V at DC12V. (JIS B8614)	
	Dimension	mm	W1585 x H695 x D470		
	Evaporator		ø 220 turbo fan & DC brush less fan motor x 4		
	fan	Flow rate	m ³ /h		1300
		Revolution	min ⁻¹		2450
		Power	W		165
	Air reach	m	9.6		
	Condenser		ø 270 propeller fan & DC fan motor with brush x 2		
	fan	Flow rate	1510		1510
		Revolution	2350		2350
		Power	165		165
Weight	kg	75.1			
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	6.4		

TDJS35SAE

Specifications

Mitsubishi - CS90 compressor

Item		Type	TDJS35DAE-1L1NB6S TDJS35DAE-1L2NB6S	TDJS35DAE-1L1NBVS TDJS35DAE-1L2NBVS	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)	4850 (4170)	4700 (4040)	Compressor revolution Nc=2750 min ⁻¹ (Ribbed belt) Nc=2050 min ⁻¹ (V belt) (Equivalent vehicle speed 40km/h)
	RT= 0°C		3750 (3220)	3700 (3180)	
	RT=- 18°C		2550 (2190)	2050 (1760)	
	RT=- 25°C		1700 (1460)	1500 (1290)	
Refrigerant	Name		R404A		
	Charge amount	kg	1.7		
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> 420 (Motor terminal voltage 27V) <for DC12V vehicle> 420 (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	88	89	Excluding special part for each vehicle
Refrigeration unit	Type		TDJS35-1L ¹ / ₂		The fan characteristic is at motor terminal voltage of 27V for DC24V and motor terminal voltage of 13.5V at DC12V. (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 ³ /h	1300		
	Revolution	min ⁻¹	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 ³ /h	1510		
	Revolution	min ⁻¹	2350		
	Power	W	165		
Weight	kg	75.1			
Compressor	Type		CS90R6	CS90B1	Open 3D scroll
	Dimension	mm	ø 130 x L220	ø 130 x L220	
	Displacement	cc/rev	92	92	
	Clutch outer dia.	mm	ø 95.0	ø 126.7	
	Clutch power	W	40	40	
	Belt		Ribbed belt PK6-rib x 1	V belt B type x 1	
	Weight	kg	6.7	7.1	
Accessory weight		kg	6.4		