

SPECIFICATIONS

Item		Model	TU100SAEM			
Evaporator unit model			TMEVX			
			- L	- M	- S	
Freezing capacity	Ambient temperature		°C			
			35			
Engine drive	Return air T = 0°C	W	11285	9122	7842	
	Return air T = -20°C		6100	4900	4500	
Working environment	Inside container temperature		°C			
	Ambient temperature		-35~+30			
Unit dimensions	Condensing unit	W x H x D	mm			
	Evaporator unit		1589 x 609 x 695	2000 x 200 x 743	1000 x 200 x 743	760 x 200 x 743
Unit weight	Condensing unit		kg			
	Evaporator unit		435	50	31	25
Drive system		Dedicated sub-engine and standby motor				
Operating system		Automatic start/stop and continuous operation selection				
Sub-engine	Model		3TNV 76 (4-cycle water-cooled vertical diesel engine)			
	Displacement		cm ³	1116		
	Continuous operation fuel consumption		L/h	1.8 (Ambient temperature 35°C, inside container temperature 0°C, high speed, at shipment)		
	Oil capacity		L	9.5 (Diesel oil 10W -30, CE (API) or above)		
	Fuel		Light oil (Diesel fuel), Intense cold season (Cold weather diesel fuel)			
	Rated output/speed		kW/min ⁻¹	<High speed> 12.5/2100, <Low speed> 6.9/1500		
Compressor	Model		CS/CSA150E (Open, 3D scroll)			
	Working speed		min ⁻¹	<High> 3150, <Low> 2250 , <Motor (50Hz)> 2200		
	Refrigeration machine oil charge volume		L	JX Nippon Oil & Energy Corp. Diamond Freeze MA32R 1-tier oil separator specification: 1.1 2-tier oil separator specification: 1.4		
Evaporator	Type		Aluminum fin & copper tubes			
	Fan	Type	Turbo fan			
		Outer diameter	mm	ø 222		
		Quantity		4	3	2
Fan motor		DC brushless motor				
Con-denser	Type		Aluminum multi-flow			
	Fan		ø 440mm propeller fan x 1			
Standby motor	Power supply		3-phase AC 400V 50Hz			
	Rated output		kW	6.3		
Refrigerant charge volume		kg	4.3~5.6 (R404A)			
Inside temperature control		Electronic thermostat				
Operation control		Microcomputer controller				
Defrosting device		Hot gas defrost (Automatic timer and manual)				
Safety device		High -pressure switch, engine oil pressure switch, engine water temperature switch, fusible plug, motor over - current relay, DC circuit fuse, DC circuit fusible link, front panel open detection switch, automatic power supply anti-phase reversal switching, and engine clutch temperature sensor				

Note: (1) Freezing capacity shows the value in case of single evaporator operation.

(2) Charge amount of refrigerant varies depending on the combination of evaporator units.