SPECIFICATIONS

Item \ Model				TU100SAE	
Freezing capacity	Conditions		°C	Ambient temperature 35°C	
				RT = −20	RT = 0
	Sub-engine drive		W	6500	11000
	Standby motor drive			5200	8400
Working environment	Inside container temperature		°C	−35～+30	
	Ambient temperature			−20～+40	
Unit dimensions	Condensing unit	W x H x D	mm	1589 × 609 × 695	
	Evaporator unit			2000 × 200 × 744	
Unit weight	Condensing unit		kg	425	
	Evaporator unit			54	
Drive system				Dedicated sub-engine and standby motor	
Operati ng system				Automatic start/stop and continuous operation selection	
Sub-engine	Model			3TNV 76 (4-cycle water-cooled vertical diesel engine)	
	Displacement		cm^3	1116	
	Bore x Stroke x Cylinders		mm	ø 76 × 82 × 3	
	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 MA3 2R	
				1-tier oil separator specification: 0.95 2-tier oil separator specification: 1.25	
Evaporator	Type			Aluminum fin & copper tubes	
	Fan			ø 222mm turbo fan & DC brushless motor x 4	
	Fan speed		min^{-1}	2600	
Condenser	Type			Aluminum multi -flow	
	Fan			ø 440mm propeller fan x 1	
	Fan speed		min^{-1}	Sub-engine drive: <High speed> 2100, <Low speed> 1500, Standby motor drive (50Hz): 1470	
Standby motor	Type			Totally -enclosed fan-cooled outdoor type	
	Power supply			3-phase AC 400V 50Hz	
	Rated output		kW	6.3	
	Number of poles			4	
Refrigerant charge volume			kg	R404A, 4.3	
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	