SPECIFICATIONS

Model				
Item		Model	TU85	
Freezing capacity	Conditions	°C	Ambient temperature 35°C	
	Conditions		RT = −20	RT = 0
	Sub-engine drive	W	5612	10298
	Standby motor drive		4500	8291
Working environment	Inside container temperature	°C	−35~+30	
	Ambient temperature		− 20∼+40	
Unit dimensions	Condensing unit	mm	1589 × 609 × 695	
	Evaporator unit W x H x D		2000 × 200 × 744	
	Condensing unit		425	
Unit weight	Evaporator unit	kg	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		1.8 (Ambient temperature 35°C, inside container	
	consumption	L/h	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</low></high>	
Compressor	Model		CS/CSA130 (Open, 3D scroll)	
	Working speed	min ⁻¹	<high> 3150, <low> 2250 , <motor (50hz)=""> 2200</motor></low></high>	
	Refrigeration machine oil		JX Nippon Oil & Energy Corp. Diamond Freeze MA3 2R	
	charge volume	L	1-tier oil separator specification: 0.95 2-tier oil separator specification: 1.25	
orator	Туре		Aluminum fin & copper tubes	
	Fan		ø 222mm turbo fan & DC brushless motor x 4	
vap	Fan speed	min -1	2600	
Condenser Evaporator	Туре		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</low></high>	
	Туре		Totally -enclosed fan-cooled outdoor type	
Standby motor	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	