

SPECIFICATIONS

Item		Model	TNW5E-5					
Cooling capacity	Conditions	°C	Ambient temp. 35					
	Engine drive	W	Return air temperature -20	Return air temperature 0	Return air temperature -20	Return air temperature 0	Return air temperature -20	Return air temperature 0
	Motor drive		3238	6235	3238	6235	3238	6235
Function			Cooling and Heating					
Range of usage	Inside temperature	°C	-30 ~ +25					
	Ambient temperature		-20 ~ +40					
Equipment dimensions	Condensing unit	mm	1650 · 530 · 650					
	Evaporator unit		1220 · 292 · 720					
Unit weight		kg	364	365		336		
Drive system			Exclusive engine or motor			Exclusive engine		
Operation system			Automatic start/stop or continuous operation change-over system					
Sub-engine	Type		4-cycle water-cooled vertical diesel engine L2E-31NCD					
	Rated continuous output	ps/min ¹	<High speed> 10.0/2200 <Low speed> 6.5/1600					
	Displacement	cm ³	635					
	Bore · Stroke · No. of cylinders	mm	ø76 · 70 · 2					
	Oil capacity	r	5.5 (Oil type API Class CD Grade)					
	Fuel		Diesel fuel (Intense cold season: cold weather fuel)					
	Cooling system		Water cooling type					
	Applicable revolution speed	min ⁻¹	<High speed> 2200 <Low speed> 1600					
Compressor	Model		CR2318LWL-F					
	Delivery rate	cm ³ /rev	182					
	Bore · Stroke · No. of cylinders	mm	ø45 · 38 · 3					
	Applicable revolution speed	min ⁻¹	<High speed> 2300 <Low speed> 1385 (In case of motor, 1200 (50Hz))					
	Refrigerator oil filling amount	r	Diamond Freeze MA32, 0.9					
Evaporator	Type		Aluminum fin and copper tubes					
	Fan		Axial flow fan motor direct driven 2					
	Fan revolution speed	min ⁻¹	2100					
Condenser	Type		Aluminum fin and copper tubes					
	Fan		Axial fan belt drive					
	Fan revolution speed	min ⁻¹	<High speed> 2300 <Low speed> 1670 <in case of motor, 1450 (50Hz)>					
Motor	Type		Totally enclosed fan-cooled outdoor type			-		
	Power		3-phase AC380V-415V 50Hz			-		
	Output	kW	3.7 (50Hz)			-		
	Number of poles		4			-		
Refrigerant filling amount		kg	R404A, 2.5 / R452, 2.5					
Inside container temperature adjustment			Electronic thermostat					
Operation control			Electronic controller					
Defroster			Automatic defroster with defrost timer					
Safety device			High pressure switch Cut out: 3.1MPa (31.5kgf/cm ²) Cut in: 2.5MPa (25.0kgf/cm ²) Engine oil pressure switch Cut out: 0.05MPa (0.5kgf/cm ²) Engine water temperature switch Cut out: 111°C Fusible plug: 95°C, Heater protection thermostat Cut out: 55°C (only for type 5) Motor overcurrent relay, 9A <excluding type 3>					