

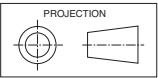
<b>Model</b>	<b>OPA 211RLTFY(H/V) Econex</b>
Item No. (Horizontal/Vertical Supply Air)	876-021-003 / 876-021-013
Cooling capacity (net) <sup>1</sup>	19.9 kW
Cooling capacity range (gross)	7.3 ~ 25.3 kW
Heating capacity <sup>1</sup>	19.7 kW
Heating capacity range	5.8 ~ 26.4 kW
Electrical input - cooling	5.7 kW
Electrical input - heating	5.4 kW
EER / AEER (cooling) <sup>1</sup>	3.52 / 3.48
COP / ACOP (heating) <sup>1</sup>	3.67 / 3.63
Operating Range (outdoor ambient) - cooling	-10°C ~ 50°C
Operating Range (outdoor ambient) - heating	-10°C ~ 25°C
Controller	UC8
Refrigerant	R32
Refrigerant Charge	4.75 kg
Minimum floor area (@2.4m below ceiling diffuser)	12 m <sup>2</sup>
Compressor oil type	4MA-POE (NXG5020 or equivalent)
Compressor type	inverter scroll
Power supply <sup>2</sup>	3 ph. 400V ac 50Hz + N + E
Compressor (3ph.) run amps at rating cond.	8 A/ph.
Indoor fan type (motor/wheel)	EC / forward curved
Indoor fan motor size	500 W (x2)
Nominal air flow at rating conditions <sup>1</sup>	1050 l/s
Indoor fan motor (1ph.) - full load	3.0 A
Outdoor air fan motor (1ph.) - full load	1.5 A
Outdoor air fan capacitor size	8 $\mu$ fd
Outdoor fan motor – max. ext. static pressure available	25 Pa (@3,750 l/s)
Control circuit breaker (internal)	4 A
Running amps (total system) <sup>1</sup>	11.5 A/ph.
Max. running amps (total system)	20.0 A/ph.
RCD type recommended	type B, 30mA, 3 pole
Net weight	298 kg
Shipping weight	340 kg

## Optional Controls:

TZT-100 Room temperature controller	201-000-350
SAT-3 Room temperature controller	201-000-146

Refer to temperzone for other options.

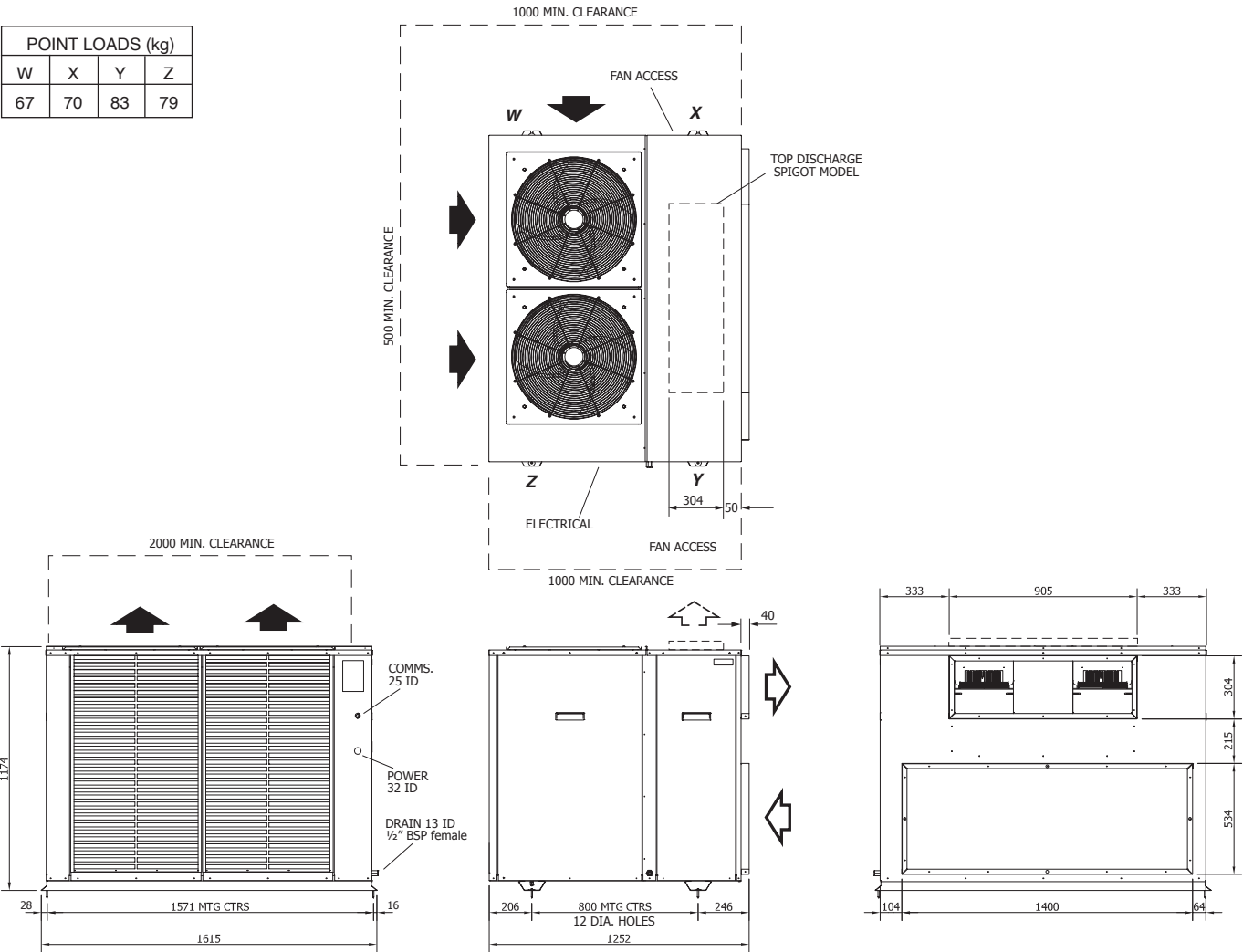
<sup>1</sup> Tested in accordance with AS/NZS 3823<sup>2</sup> Voltage fluctuation range: 376–440V



Not to Scale

OPA 211RLTYFH(V)

POINT LOADS (kg)				
W	X	Y	Z	
67	70	83	79	




**NOTE**  
Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.

The diagram is a detailed electrical wiring schematic for the OPA 171/211RLTFY-S1 UC8. It illustrates the internal wiring of the device, showing the connection of various components to a common power and ground system. Key components include:

- Terminal Blocks (TB1-TB24):** These blocks serve as the primary connection points for external wiring. TB1-TB4 are located at the top, while TB5-TB24 are arranged in a grid below. Each block has multiple terminals labeled with letters and numbers.
- Power and Grounding:** The schematic shows a robust power distribution system with multiple ground planes (GND) and power lines (L1, L2, L3). It includes fuses (F1, F2) and surge protectors (SP1, SP2) to ensure system reliability.
- Control and Signal Lines:** A network of control lines (C1-C4) and signal lines (S1-S4) connects the internal components to the terminal blocks. These lines are color-coded and labeled for easy identification.
- Components and Modules:** The diagram features several specialized modules, including the UC8 (UC8), various sensors (S1-S4), and control units (C1-C4). Each component is shown with its specific pinout and connection requirements.
- Wiring Standards and Notes:** The schematic includes numerous notes and callouts regarding wiring standards, component values, and installation instructions. These notes are essential for ensuring the correct and safe assembly of the device.

The diagram is organized into sections labeled A through G, corresponding to the drawing's grid. Section A covers the top portion of the schematic, while sections B through G cover the remaining parts. This layout facilitates a systematic review of the wiring and ensures that all components are properly connected and labeled.

REV	DESCRIPTION		ECN	DATE	APPROVED
A	Initial Release			08-07-25	GC
 ©temperzone Ltd 2025			Client Wiring      _____		
			Drawn: D.P.V      Date: 06-07-25		

[illegible]