

## SPECIFICATIONS



<b>Model</b>	OPA 211RLTFYD(H/M) Econex Pro 877-021-003 / 877-021-013
Item No. (Horizontal/Vertical Supply Air)	
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 / AEEER (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
Master Controller	<i>c.pCO Mini</i>
Slave 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	1050 l/s
Indoor fan motor (1ph.) - full load	3.0 A (x2)
Outdoor air fan motor (1ph.) - full load	1.5 A (x2)
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)	11.5 A/ph.
Max. running amps (total system)	20.0 A/ph.
RCD type recommended	type B, 30mA, 3 pole
Net weight	299 kg
Shipping weight	341 kg

### Optional Controls:

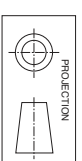
Remote wired Service Interface Device ( <i>pGD1</i> )	201-000-867
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Refer to temperzone for other options.

<sup>1</sup> Tested in accordance with AS/NZS 3823

<sup>2</sup> Voltage fluctuation range: 376–440V

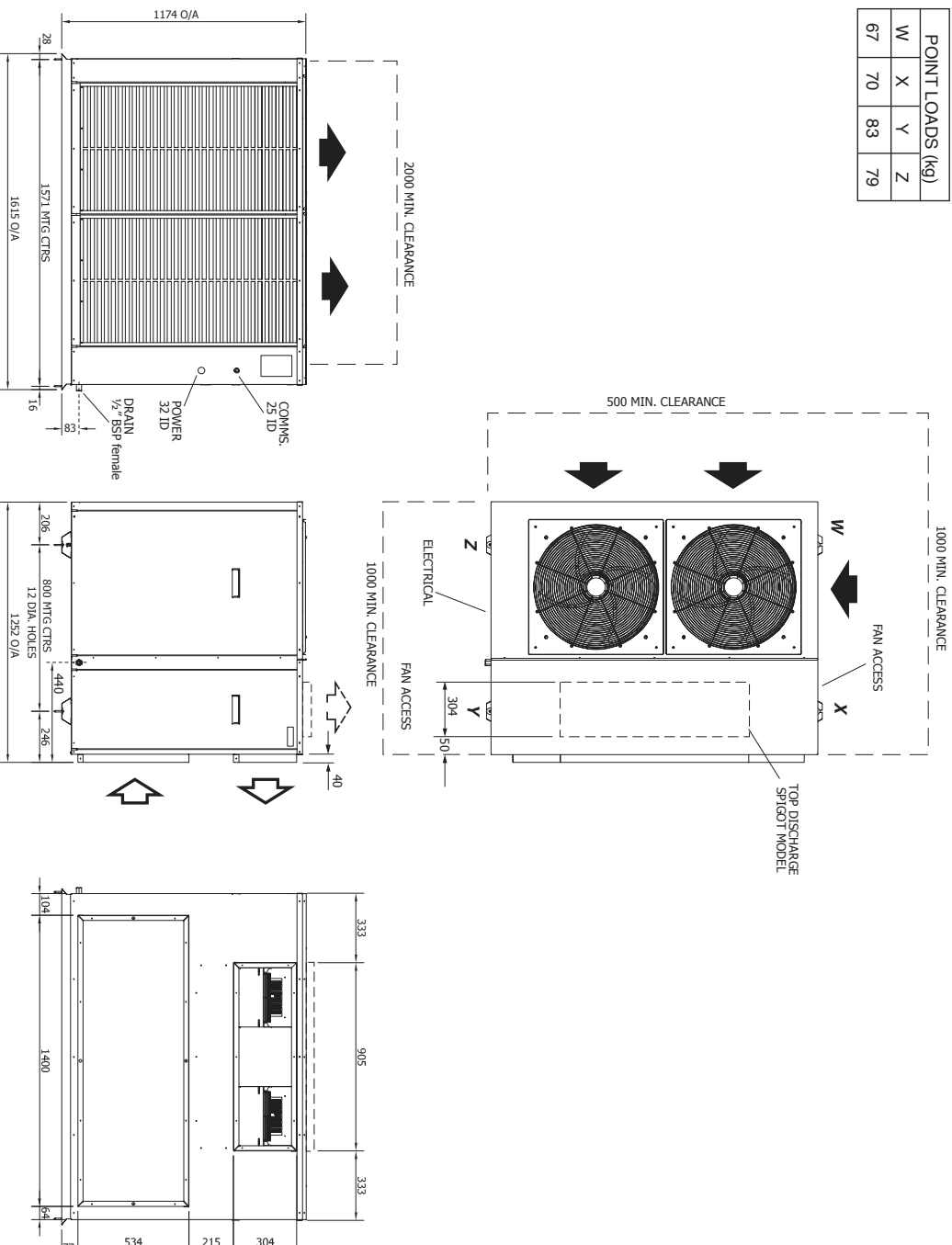
# DIMENSIONS (mm)



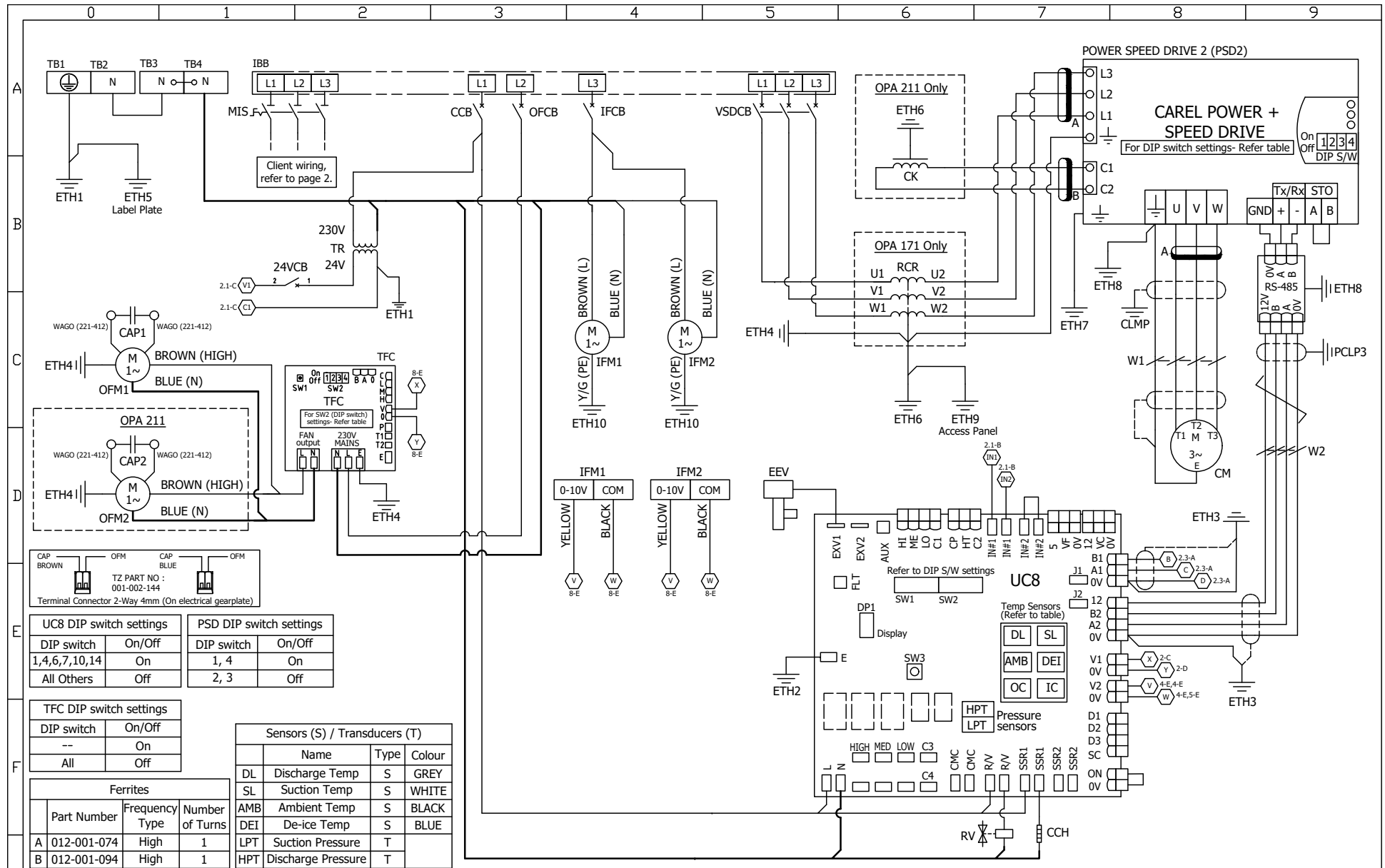
Not to Scale

## OPA 211RLTYFDH(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.



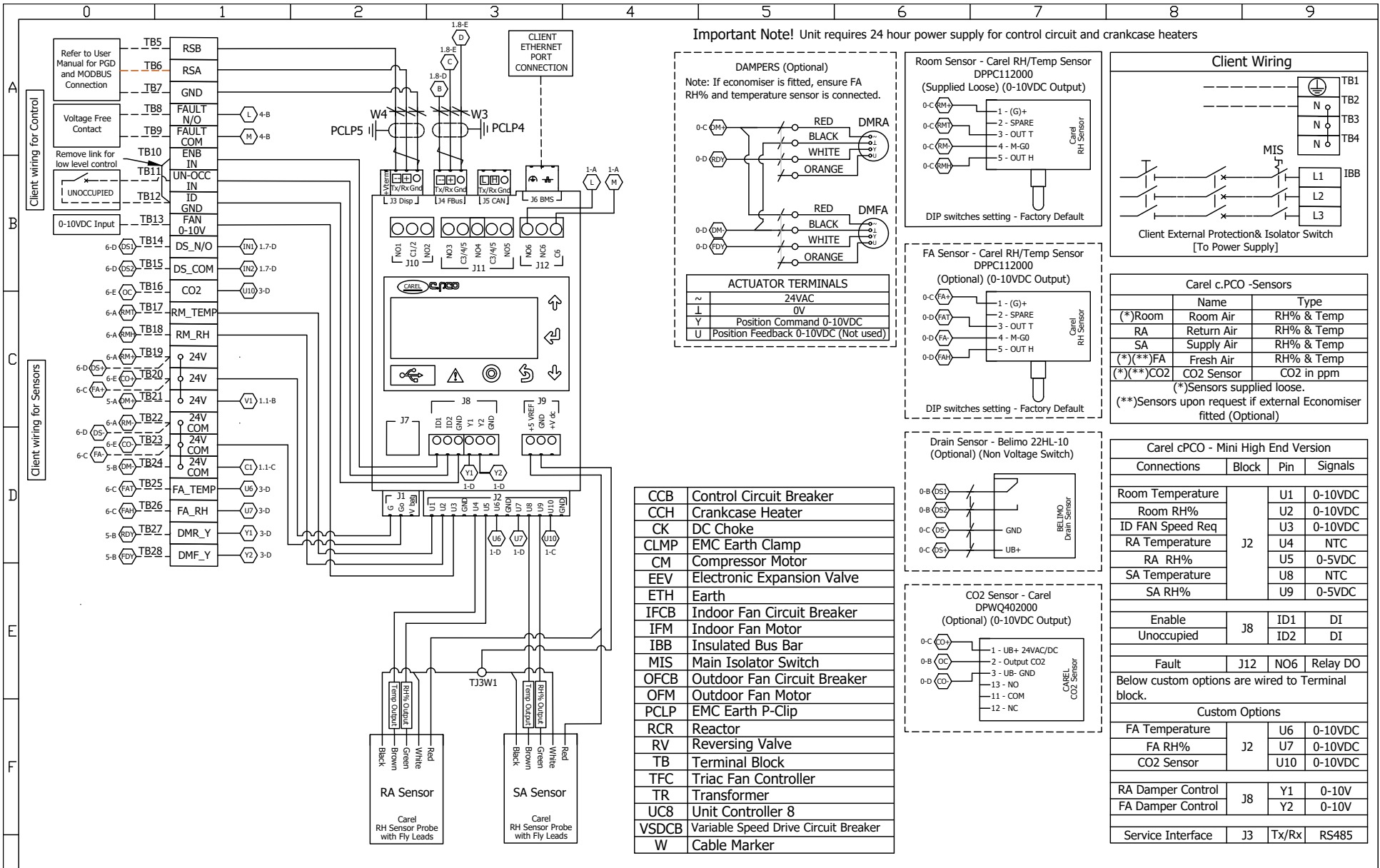
UC8 DIP switch settings		PSD DIP switch settings	
DIP switch	On/Off	DIP switch	On/Off
1,4,6,7,10,14	On	1, 4	On
All Others	Off	2, 3	Off

TFC DIP switch settings	
DIP switch	On/Off
--	On
All	Off

Sensors (S) / Transducers (T)			
	Name	Type	Colour
DL	Discharge Temp	S	GREY
SL	Suction Temp	S	WHITE
AMB	Ambient Temp	S	BLACK
DEI	De-ice Temp	S	BLUE
LPT	Suction Pressure	T	
HPT	Discharge Pressure	T	

Ferrites			
	Part Number	Frequency Type	Number of Turns
A	012-001-074	High	1
B	012-001-094	High	1

REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release		08-07-25	GC



CCB	Control Circuit Breaker
CCH	Crankcase Heater
CK	DC Choke
CLMP	EMC Earth Clamp
CM	Compressor Motor
EEV	Electronic Expansion Valve
ETH	Earth
IFCB	Indoor Fan Circuit Breaker
IFM	Indoor Fan Motor
IBB	Insulated Bus Bar
MIS	Main Isolator Switch
OFCB	Outdoor Fan Circuit Breaker
OFM	Outdoor Fan Motor
PCLP	EMC Earth P-Clip
RCR	Reactor
RV	Reversing Valve
TB	Terminal Block
TFC	Triac Fan Controller
TR	Transformer
UC8	Unit Controller 8
VSDCB	Variable Speed Drive Circuit Breaker
W	Cable Marker

REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release		08-07-25	GC

	Client Wiring	Drawn: LC	Date: 06-07-25	Title: OPA 171/211RLTFYD-S1 UC8 c/w Carel cPCO Mini Electrical Wiring Schematic	Drawing No: 291-003-547 SHEET 2 OF 2	Rev: A
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