

# SPECIFICATIONS



<b>Model</b>	<b>OPA 855RKTBG-PZ ECO</b>
Configuration	Horizontal Supply Air c/w Economiser
Item No. (Standard / Opposite Hand)	867-086-701 / 867-086-710
Cooling capacity (net) to AS/NZS 3823 T1	79.4 kW
Heating capacity H1	78.0 kW
Electrical input - cooling	25.6 kW
Electrical input - heating	23.8 kW
EER / AEER (cooling)	3.10 / 3.09
COP / ACOP (heating)	3.28 / 3.27
Unit Controller	UC8 (x2)
Refrigerant	R410A
Refrigerant Charge	15 kg/sys.
Compressor oil type	POE 32-3MAF (or equivalent)
Compressor type	digital scroll (x2)
Power supply	3 ph. 400V ac 50Hz + N + E
Compressor (3ph.) run amps at rating cond.	21 A/ph. (x2)
Compressor overload setting	28 A (x2)
Compressor circuit breaker	63 A (x2)
Indoor fan motor size	EC Plug 500 dia. 2.65kW (x2)
Nominal air flow at rating conditions	4200 l/s
Indoor fan motor (3ph.)	4.5 A/ph. (x2)
Outdoor fan motor (1ph.) - full load	1.7 A (x4)
Outdoor fan capacitor size	8 $\mu$ fd (x4)
Control circuit breaker (internal)	4 A
Single phase socket circuit breaker	10 A
Running amps (total system)	45 / 52 / 45 A
Max. running amps (total system)	58 / 64 / 56 A
Net weight	1201 kg

#### Accessories:

Filters - rated EU4/G4 disposable	019-400-008 500x450x50 (x9)
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#### Optional Controls:

Viking controller	201-000-191
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Refer to temperzone for other options.

Tested in accordance with AS/NZS 3823

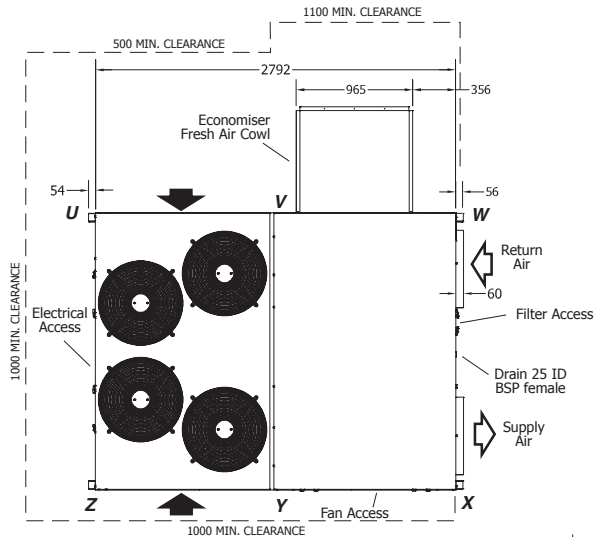
16090

# DIMENSIONS (mm)

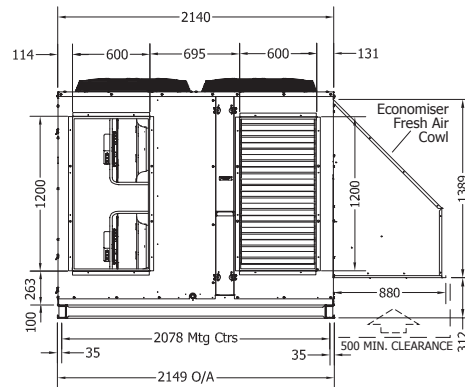
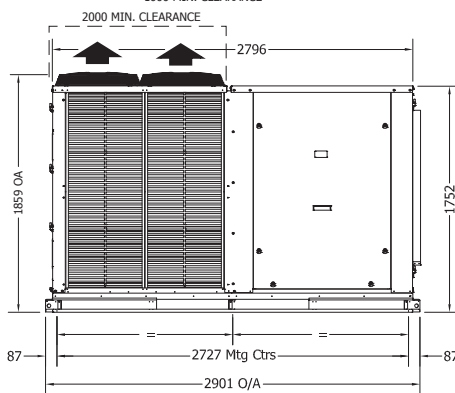


## OPA 855RKTBG01-PZ Standard Hand

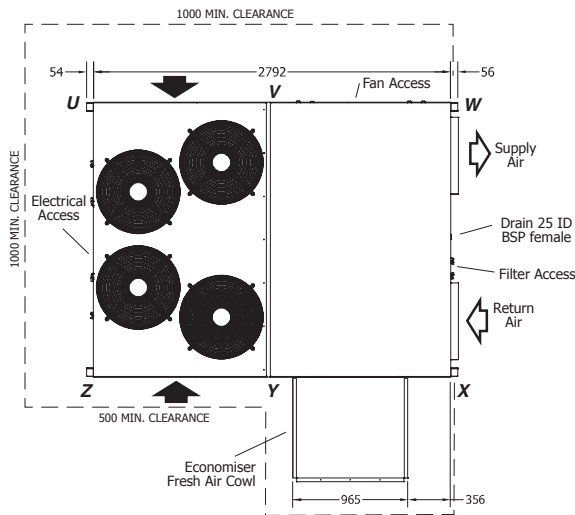
Not to Scale



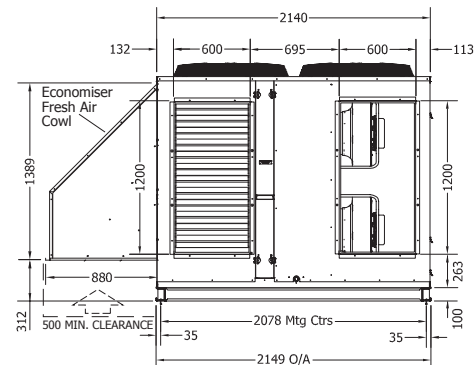
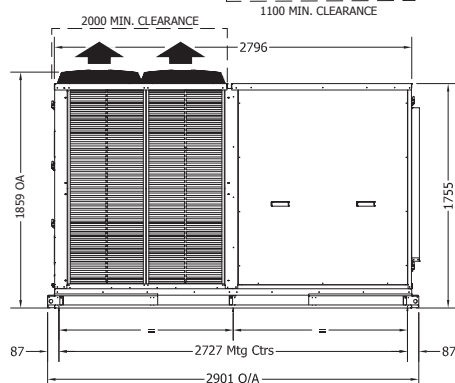
POINT LOADS (kg)					
U	V	W	X	Y	Z
244	209	174	179	191	204



## OPA 855RKTBG10-PZ Opposite Hand



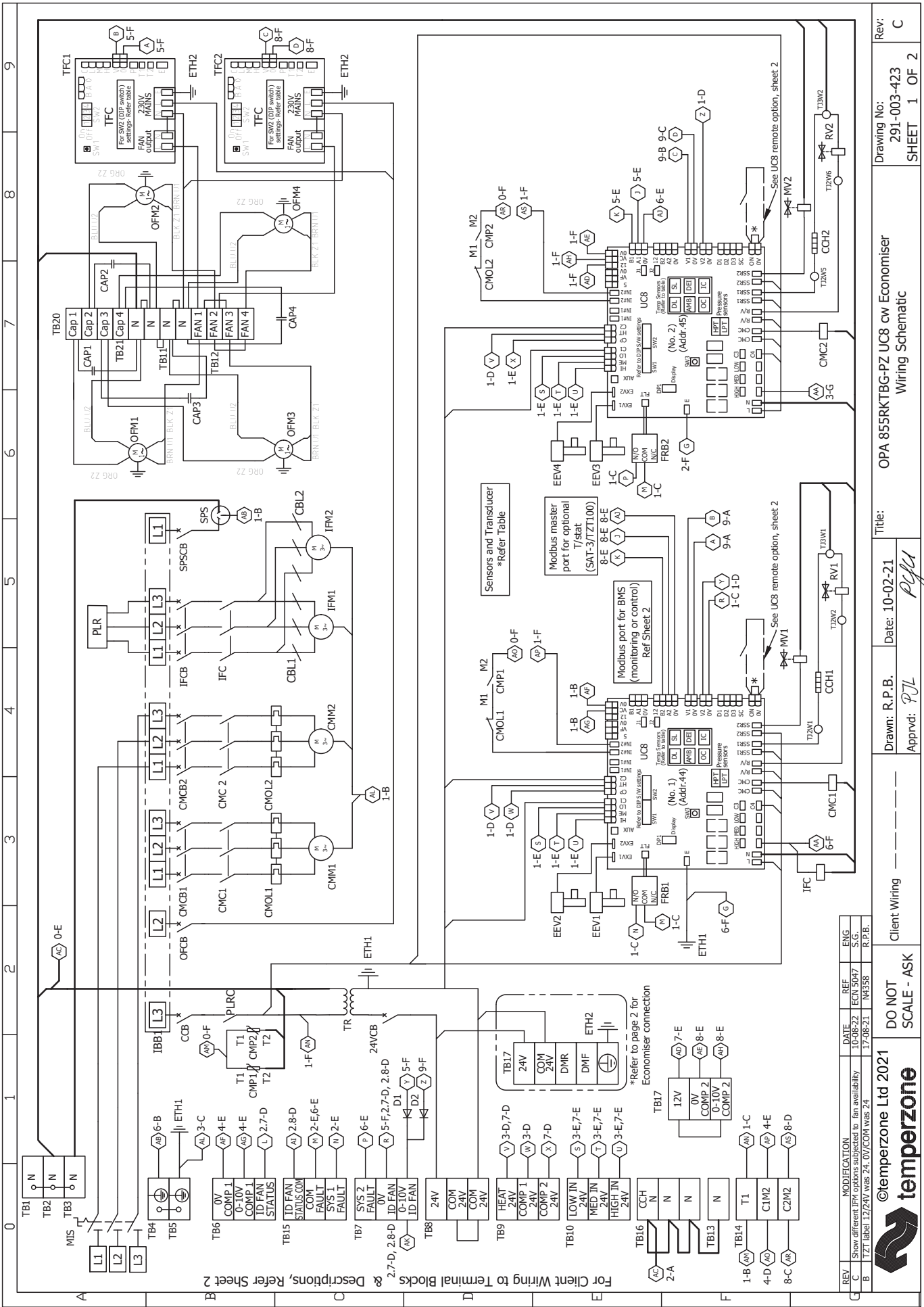
POINT LOADS (kg)					
U	V	W	X	Y	Z
204	191	179	174	209	244



### NOTE

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





For Client Wiring to Terminal Blocks & Descriptions, Refer Sheet 2

REV	MODIFICATION	DATE	REF	ENG
C	Show different IFM options subjected to fan availability	10-08-22	ECN 5047	S.G.
B	TZT label 12/24V was 24.0V/COM was 24	17-08-21	NH358	R.P.B.

temperzone Ltd 2021

DO NOT SCALE - ASK

Client Wiring

Drawn: R.P.B. Date: 10-02-21

Approved: *PJL*

Title: OPA 855RKTBG-PZ UC8 cw Economiser Wiring Schematic

Drawing No: 291-003-423  
SHEET 1 OF 2

Rev: C

0	1	2	3	4	5	6	7	8	9																																													
<p><b>Important Notes:</b></p> <p>1) Crankcase Heater Note 24 Hour power required for control circuit and crankcase heaters</p> <p>2) Compressor Note Compressors fitted are directional. If rotation incorrect, compressor/s will not pump, be noisy, and draw minimal current. To correct rotation, reverse two phases.</p>		<p>3) SAT-3 &amp; TZT-100 Note To connect TZT100 to unit use 2 pair twisted cable - screen grounded. (F/UTP 24G (0.2mm<sup>2</sup>) or thicker recommended)</p> <p>4) Master-slave note When the unit is controlled with a TZT-100 or SAT-3 wall thermostat then the two UC8 controllers must be linked and configured as master and slave. Master DIP switch settings: 11 OFF 12 OFF Slave DIP switch settings: 11 ON 12 OFF</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sensors (S) / Transducers (T)</th> <th>Name</th> <th>Type</th> <th>Colour</th> </tr> </thead> <tbody> <tr> <td>DL</td> <td>Discharge Temp</td> <td>S</td> <td>RED</td> </tr> <tr> <td>SL</td> <td>Suction Temp</td> <td>S</td> <td>WHITE</td> </tr> <tr> <td>AMB</td> <td>Ambient Temp</td> <td>S</td> <td>BLACK</td> </tr> <tr> <td>DEI</td> <td>De-ice Temp</td> <td>S</td> <td>BLUE</td> </tr> <tr> <td>LPT</td> <td>Suction Pressure</td> <td>T</td> <td></td> </tr> <tr> <td>HPT</td> <td>High Pressure</td> <td>T</td> <td></td> </tr> </tbody> </table>		Sensors (S) / Transducers (T)	Name	Type	Colour	DL	Discharge Temp	S	RED	SL	Suction Temp	S	WHITE	AMB	Ambient Temp	S	BLACK	DEI	De-ice Temp	S	BLUE	LPT	Suction Pressure	T		HPT	High Pressure	T		<p>SAT-3 &amp; TZT100 connection to UC8 terminals</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>UC8 terminals(No.1)</th> <th>SAT-3</th> <th>TZT100 Terminals</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>12V</td> <td>12/24V</td> </tr> <tr> <td>B2</td> <td>B</td> <td>B</td> </tr> <tr> <td>A2</td> <td>A</td> <td>A</td> </tr> <tr> <td>0V</td> <td>GND</td> <td>12V/COM</td> </tr> </tbody> </table>		UC8 terminals(No.1)	SAT-3	TZT100 Terminals	12	12V	12/24V	B2	B	B	A2	A	A	0V	GND	12V/COM	<p>Client Protection and Isolator Switch</p>		<p>BMS Control</p>	
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