

# SPECIFICATIONS



<b>Model</b>	<b>OPA 465RKTBG-P ECO</b>
Configuration	Downward Supply Air
Item No. (Standard / Opposite Hand)	866-047-723 / 866-047-732
Unit c/w Fresh Air Cowl (OPA 465RKTBG-PC)	868-047-723 / 868-047-732
Cooling capacity (net) to AS/NZS 3823 T1	43.9 kW
Heating capacity H1	41.1 kW
Electrical input - cooling	13.6 kW
Electrical input - heating	11.4 kW
EER / AEER (cooling)	3.22 / 3.21
COP / ACOP (heating)	3.62 / 3.60
Unit Controller	UC8 (x2)
Refrigerant	R410A
Refrigerant Charge	8.8 kg/sys.
Compressor oil type	POE 32-3MAF (or equivalent)
Compressor type	digital + fixed scroll
Power supply	3 ph. 400V ac 50Hz
Compressor (3ph.) run amps at rating cond.	9.5 A/ph.
Compressor overload setting	13 / 14 A
Compressor circuit breaker	25 A (x2)
Indoor fan motor size	EC plug 560 dia. 3.5kW
Nominal air flow at rating conditions	2400 l/s
Indoor fan motor (3ph.) - full load	5 A/ph.
Outdoor fan motor (1ph.) - full load	3 A (x2)
Outdoor fan capacitor size	12 $\mu$ fd (x2)
Control circuit breaker (internal)	2 A
Auxiliary power outlet (1ph.) overload setting	10 A
Running amps (total system)	20 / 26 / 20 A
Max. running amps (total system)	27 / 34 / 27 A
Net weight	798 kg
Weight c/w Fresh Air Cowl option	833 kg

## Accessories:

Filters - rated EU4/G4 disposable	019-400-010 450x600x50 (x2) 019-400-007 600x600x50 (x2)
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## Optional Controls:

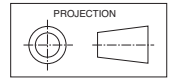
TZT-100 Room temperature controller	201-000-350
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Refer to temperzone for other options.

Tested in accordance with AS/NZS 3823

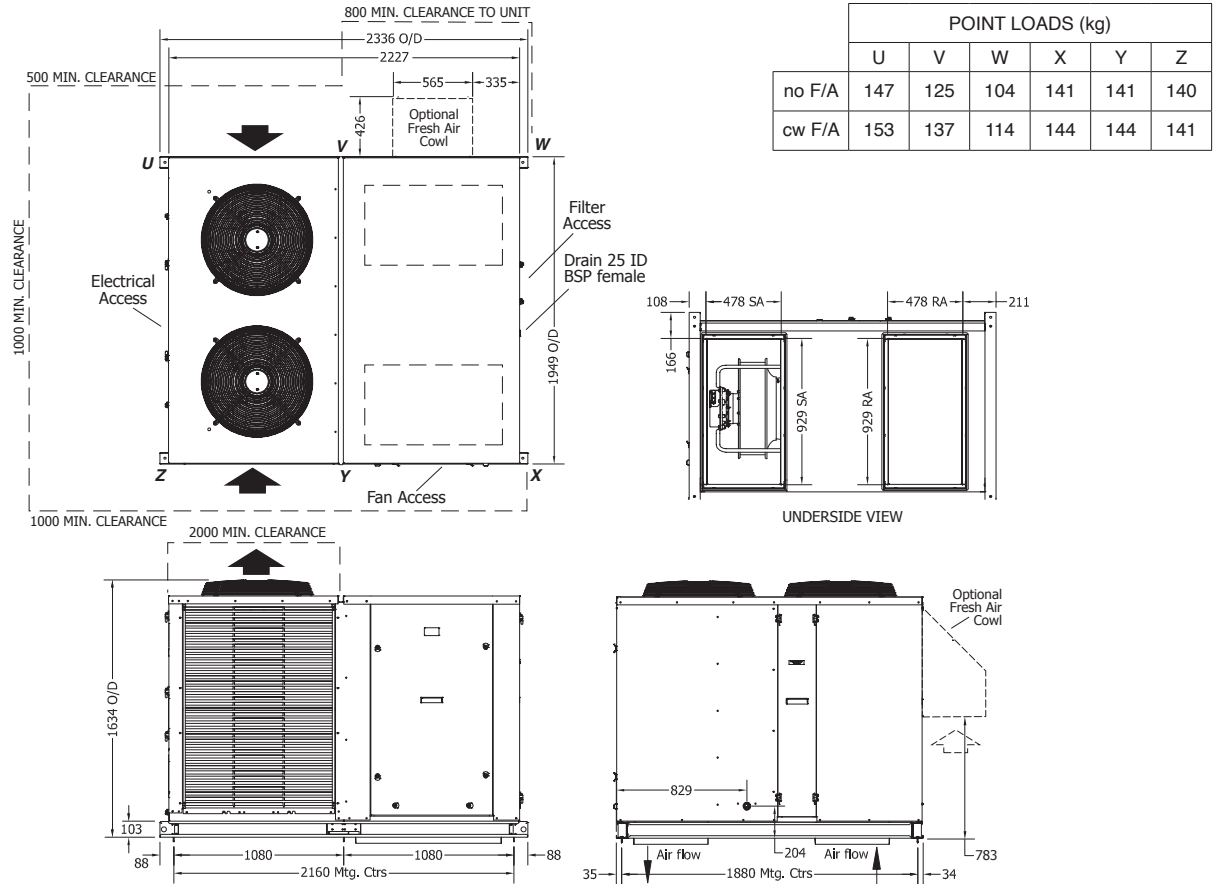
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# DIMENSIONS (mm)

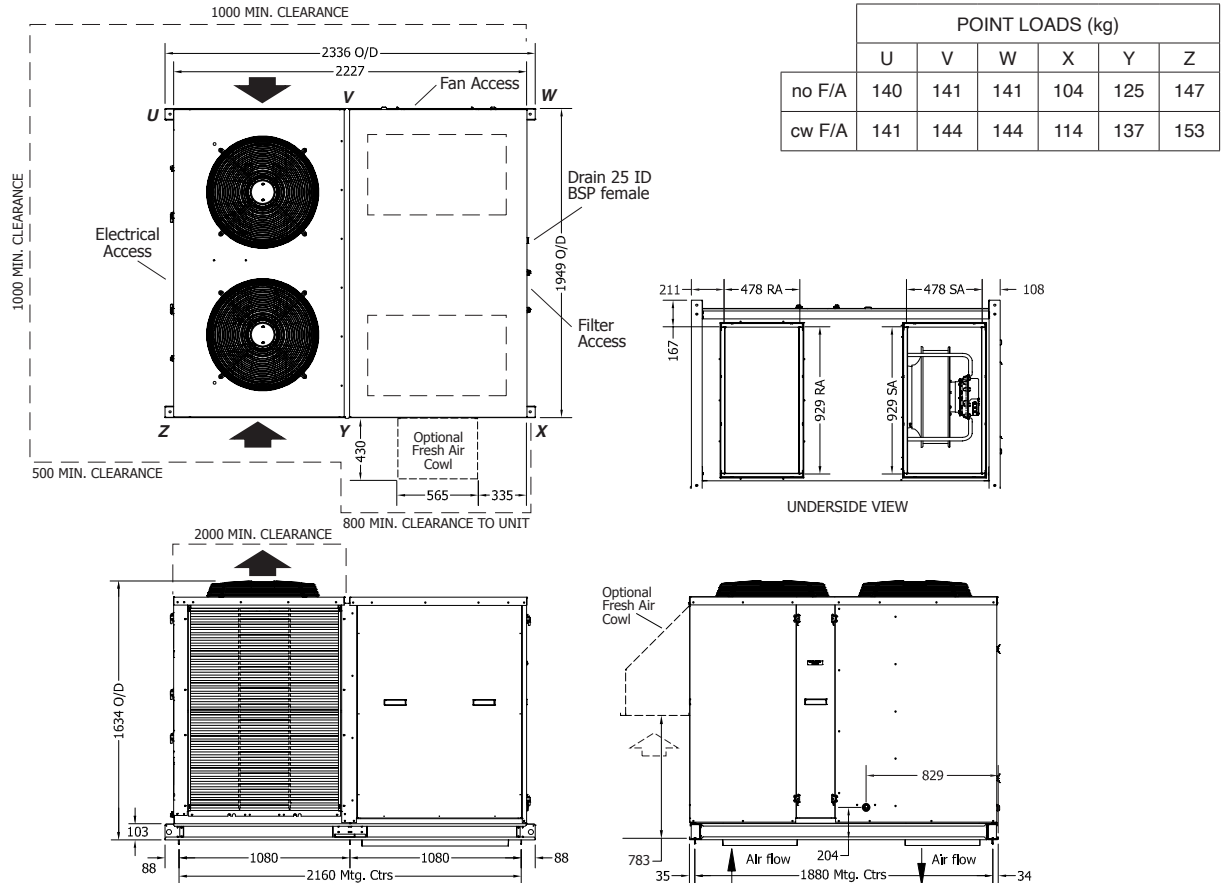


Not to Scale

## OPA 465RKTBG23-P(C) Standard Hand

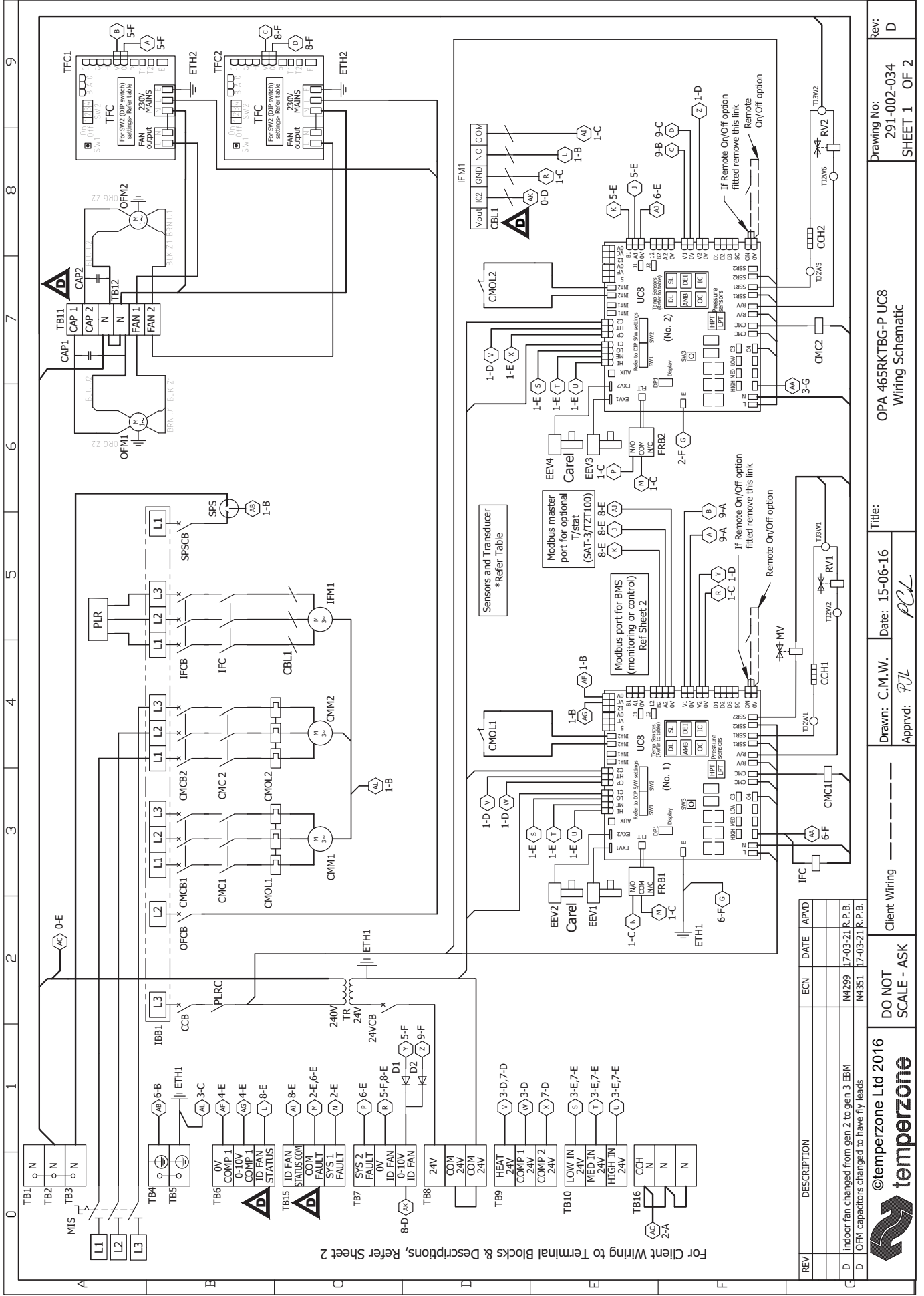


## OPA 465RKTBG32-P(C) Opposite Hand



### NOTE

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



REV	DESCRIPTION	ECN	DATE	APVD
D	Indoor fan changed from gen 2 to gen 3 BEM	N4299	17-03-21	R.P.B.
D	OFM capacitors changed to have fly leads	N4351	17-03-21	R.P.B.

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DO NOT SCALE - ASK

Client Wiring

Drawn: C.M.W. Date: 15-06-16  
 Approved: PTL *PCT*

Title: OPA 465RKTBG-P UC8  
 Wiring Schematic

Rev: D  
 Drawing No: 291-002-034  
 SHEET 1 OF 2

0 1 2 3 4 5 6 7 8 9

A B C D E F

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

0	1	2	3	4	5	6	7	8	9																																																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p><b>Important Notes:</b></p> <p>1) Crankcase Heater Note 24 Hour power required for control circuit and crankcase heaters</p> <p>2) 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>3) 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> </div> <div style="width: 70%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">24VCB</td> <td>24 VOLT CIRCUIT BREAKER</td> </tr> <tr> <td>CAP</td> <td>CAPACITOR</td> </tr> <tr> <td>CBL</td> <td>CABLE</td> </tr> <tr> <td>CCB</td> <td>CONTROL CIRCUIT BREAKER</td> </tr> <tr> <td>CCH</td> <td>CRANKCASE HEATER</td> </tr> <tr> <td>CMC</td> <td>COMPRESSOR CONTACTOR</td> </tr> <tr> <td>CMCB</td> <td>COMPRESSOR CIRCUIT BREAKER</td> </tr> <tr> <td>CMM</td> <td>COMPRESSOR MOTOR</td> </tr> <tr> <td>CMOL</td> <td>COMPRESSOR OVERLOAD</td> </tr> <tr> <td>EEV</td> <td>ELECTRONIC EXPANSION VALVE</td> </tr> <tr> <td>ETH</td> <td>EARTH</td> </tr> <tr> <td>FRB</td> <td>FAULT RELAY BOARD</td> </tr> <tr> <td>IFC</td> <td>INDOOR FAN CONTACTOR</td> </tr> <tr> <td>IFCB</td> <td>INDOOR FAN CIRCUIT BREAKER</td> </tr> <tr> <td>IFM</td> <td>INDOOR FAN MOTOR</td> </tr> <tr> <td>IBB</td> <td>INSULATED BUS BAR</td> </tr> <tr> <td>MIS</td> <td>MAIN ISOLATOR SWITCH</td> </tr> <tr> <td>MV</td> <td>MODULATING VALVE</td> </tr> <tr> <td>OFCB</td> <td>OUTDOOR FAN CIRCUIT BREAKER</td> </tr> <tr> <td>OFM</td> <td>OUTDOOR FAN MOTOR</td> </tr> <tr> <td>PLR</td> <td>PHASE LOSS RELAY</td> </tr> <tr> <td>PLRC</td> <td>PHASE LOSS RELAY CONTACT</td> </tr> <tr> <td>RV</td> <td>REVERSING VALVE</td> </tr> <tr> <td>SPS</td> <td>SINGLE PHASE SOCKET</td> </tr> <tr> <td>SPSCB</td> <td>SINGLE PHASE SOCKET CIRCUIT BREAKER</td> </tr> <tr> <td>TB</td> <td>TERMINAL BLOCK</td> </tr> <tr> <td>TFC</td> <td>TRIAC FAN CONTROLLER</td> </tr> <tr> <td>TJ</td> <td>TERMINAL JOINER</td> </tr> <tr> <td>TR</td> <td>TRANSFORMER</td> </tr> <tr> <td>UC8</td> <td>UNIT CONTROLLER 8</td> </tr> <tr> <td>L1</td> <td>1BB1 L1 LINE SUPPLY</td> </tr> <tr> <td>L2</td> <td>1BB1 L2 LINE SUPPLY</td> </tr> <tr> <td>L3</td> <td>1BB1 L3 LINE SUPPLY</td> </tr> </table> </div> </div>										24VCB	24 VOLT CIRCUIT BREAKER	CAP	CAPACITOR	CBL	CABLE	CCB	CONTROL CIRCUIT BREAKER	CCH	CRANKCASE HEATER	CMC	COMPRESSOR CONTACTOR	CMCB	COMPRESSOR CIRCUIT BREAKER	CMM	COMPRESSOR MOTOR	CMOL	COMPRESSOR OVERLOAD	EEV	ELECTRONIC EXPANSION VALVE	ETH	EARTH	FRB	FAULT RELAY BOARD	IFC	INDOOR FAN CONTACTOR	IFCB	INDOOR FAN CIRCUIT BREAKER	IFM	INDOOR FAN MOTOR	IBB	INSULATED BUS BAR	MIS	MAIN ISOLATOR SWITCH	MV	MODULATING VALVE	OFCB	OUTDOOR FAN CIRCUIT BREAKER	OFM	OUTDOOR FAN MOTOR	PLR	PHASE LOSS RELAY	PLRC	PHASE LOSS RELAY CONTACT	RV	REVERSING VALVE	SPS	SINGLE PHASE SOCKET	SPSCB	SINGLE PHASE SOCKET CIRCUIT BREAKER	TB	TERMINAL BLOCK	TFC	TRIAC FAN CONTROLLER	TJ	TERMINAL JOINER	TR	TRANSFORMER	UC8	UNIT CONTROLLER 8	L1	1BB1 L1 LINE SUPPLY	L2	1BB1 L2 LINE SUPPLY	L3	1BB1 L3 LINE SUPPLY
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