SPECIFICATIONS

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Model Configuration Item No. (Standard / Opposite Hand)	**OPA 296RKTF-P (inverter)** Horizontal Supply Air 876-030-701 / 876-030-710
Cooling capacity (net) to AS/NZS 3823 T1	30.9 kW
Heating capacity H1	27.4 kW
Electrical input - cooling	9.8 kW
Electrical input - heating	8.3 kW
EER / AEER (cooling)	3.14 / 3.12
COP / ACOP (heating)	3.28 / 3.26
Unit Controller	UC8
Refrigerant	R410A
Refrigerant Charge	9 kg
Compressor oil type	polyvinylether (PVE)
Compressor type	inverter
Power supply	3 ph. 400V ac 50Hz
Indoor fan motor size	EC plug 500 dia. 2.5 kW
Nominal air flow at rating conditions	1700 l/s
Indoor fan motor (3ph.) - full load	3.1 A/ph.
Outdoor air fan motor (1ph.) - full load	1.7 A (x2)
Outdoor air fan capacitor size	8 μfd (x2)
Control circuit breaker (internal)	2 A
Running amps (total system)	17.3 / 15.7 / 19.2 A
Max. running amps (total system)	19.0 / 17.4 / 20.9 A
Net weight	510 kg

Accessories:

Filters - rated EU4/G4 disposable	019-400-008 495x445x50 (x2) 019-400-010 450x600x50 (x2)

Optional Controls:

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

Refer to temperzone for other options.

Tested in accordance with AS/NZS 3823

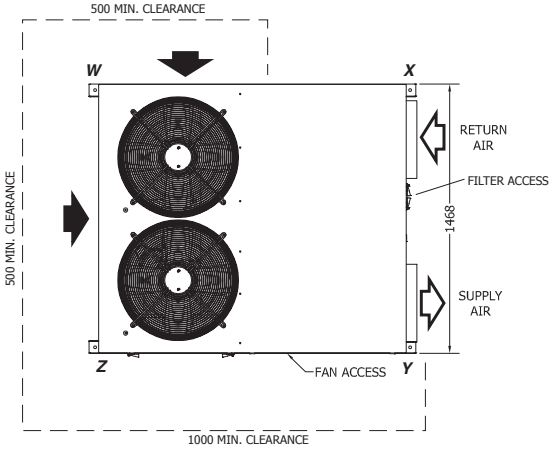
16108

DIMENSIONS (mm)

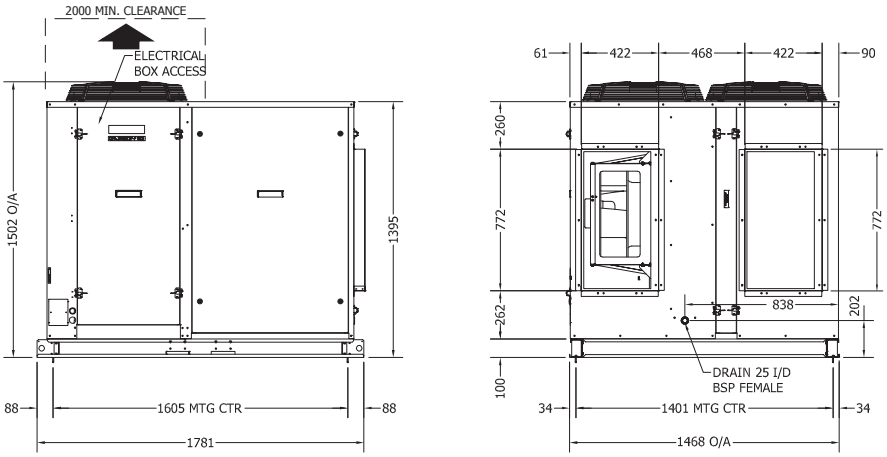
PROJECTION

Not to Scale

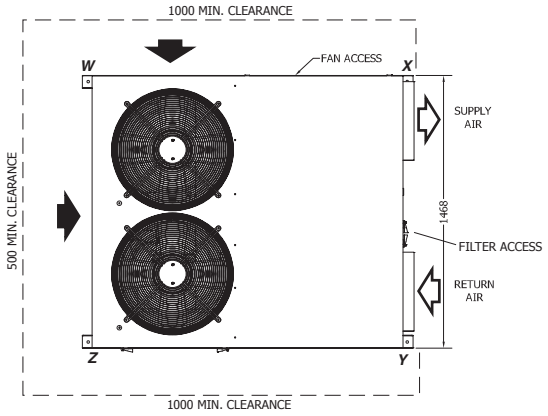
OPA 296RKTF01-P Standard Hand



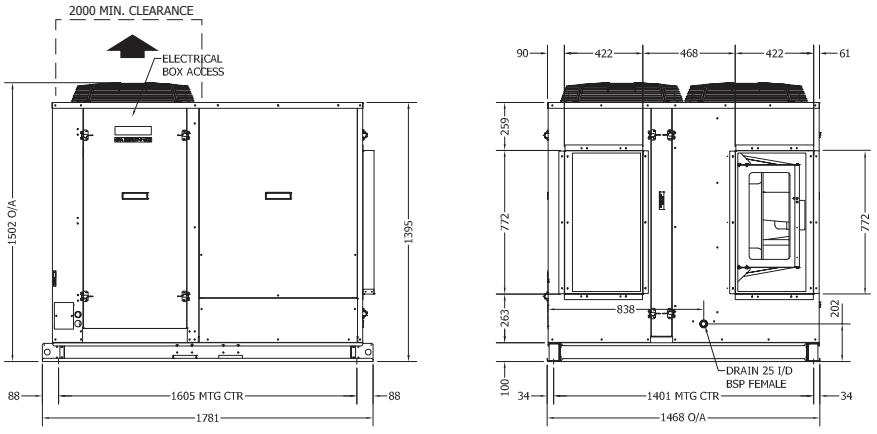
POINT LOADS (kg)			
W	X	Y	Z
120	82	128	142



OPA 296RKTF10-P Opposite Hand



POINT LOADS (kg)			
W	X	Y	Z
120	128	82	142



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

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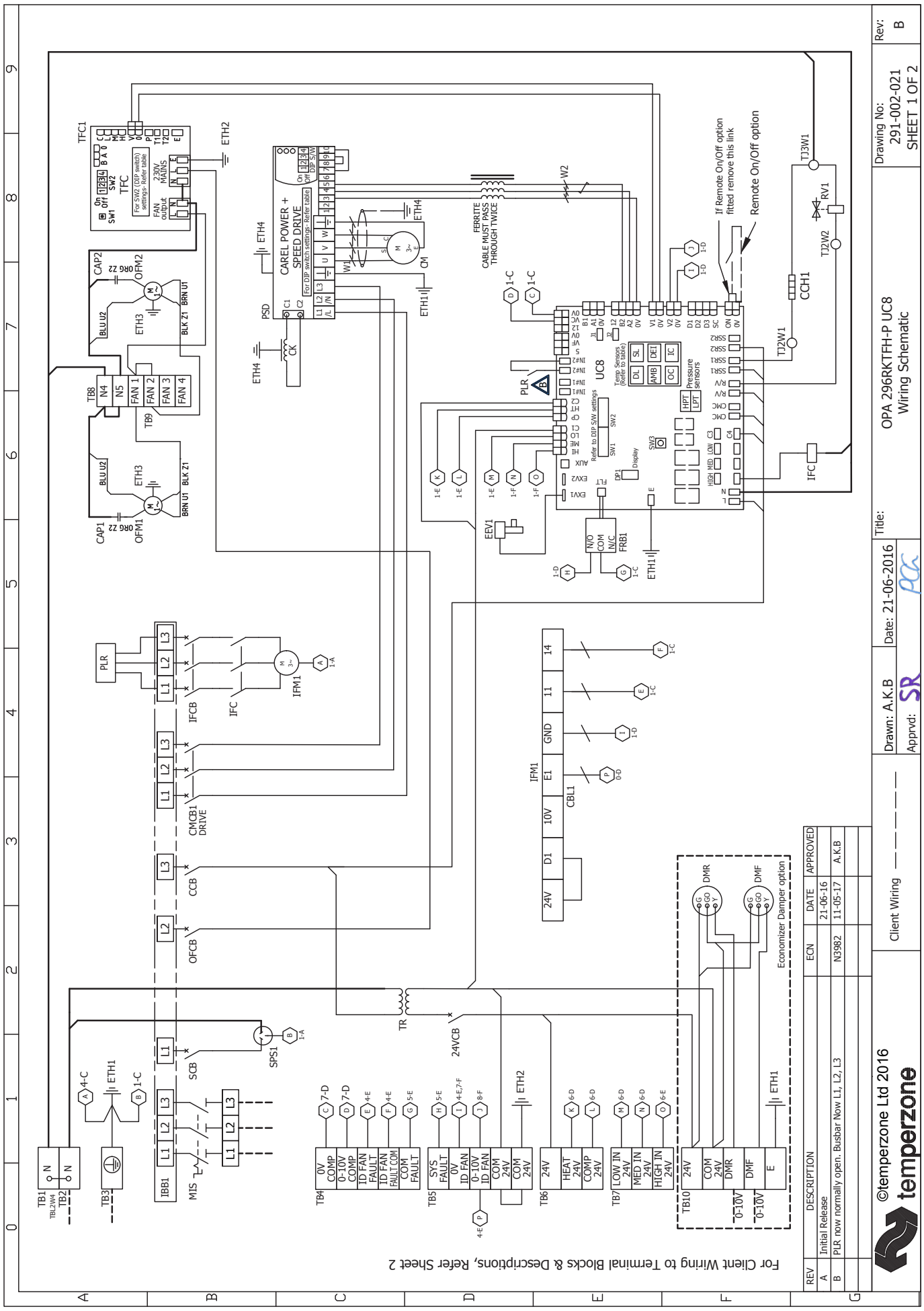
OPA 296RKTFH-P UC8
Wiring Schematic
Drawing No: 291-002-021
SHEET 1 OF 2
Rev: B
Drawn: A.K.B
Date: 21-06-2016
Apprvd: SR
Client Wiring
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For Client Wiring to Terminal Blocks & Descriptions, Refer Sheet 2
If Remote On/Off option fitted remove this link
Remote On/Off option
Economizer Damper option
REV DESCRIPTION ECN DATE APPROVED
A Initial Release N3982 21-06-16 A.K.B
B PLR now normally open. Busbar Now L1, L2, L3 11-05-17

24VCB	24 VOLT CIRCUIT BREAKER
CAP	CAPACITOR
CBL	CABLE
CCB	CONTROL CIRCUIT BREAKER
CCH	CRANKCASE HEATER
CK	CHOKE
CMCB	COMPRESSOR MOTOR CIRCUIT BREAKER (DRIVE)
CM	COMPRESSOR MOTOR
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
OFCB	OUTDOOR FAN CIRCUIT BREAKER
OFM	OUTDOOR FAN MOTOR
PR	PHASE RELAY
PLR	PHASE LOST RELAY
RV	REVERSING VALVE
SCB	SOCKET CIRCUIT BREAKER
SPS	SINGLE PHASE SOCKET
TB	TERMINAL BLOCK
TFC	TRIAC FAN CONTROLLER
TJ	TERMINAL JOINER
TR	TRANSFORMER
UC8	UNIT CONTROLLER 8

Important Notes:

1) Crankcase Heater Note
24 Hour power required for control circuit and crankcase heaters

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	

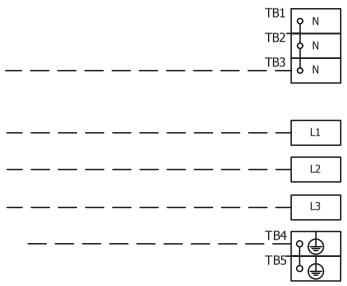
SAT-3 & TZT100 connection to UC8 terminals		
UC8 terminals	SAT-3	TZT100 Terminals
12	12V	24
B2	B	B
A2	A	A
0V	GND	24C
Screen to 0V		

UC8 DIP switch settings	
DIP switch	↑ On/Off ↓
1,4,6,7,10	On
All Others Off	Off

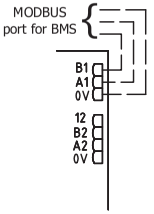
TFC DIP switch settings	
DIP switch	On/Off
-	On
1, 2, 3, 4	Off

PSD DIP switch settings	
DIP switch	↑ On/Off ↓
1, 4	On
2, 3	Off

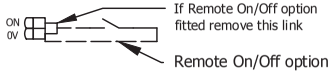
Client Wiring



BMS Control



Remote option



REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release		21-06-16	
B	PLR now normally open. Busbar Now L1, L2, L3	N3982	11-05-17	A.K.B

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Client Wiring

Drawn: A.K.B | Date: 21-06-16

Apprvd: SR

Title: OPA 296RKTFH-P UC8 Wiring Schematic

Drawing No: 291-002-021 SHEET 2 OF 2

Rev: B

Refer 'Installation & Maintenance' pamphlet for more information.