

SPECIFICATIONS



Model	VPA 160RKTBGV ECO
Configuration	Vertical Supply Air
Item No.	520-291-011
Cooling capacity (net) to AS/NZS 3823 T1	15.7 kW
Heating capacity H1	15.8 kW
Electrical input - cooling	4.9 kW
Electrical input - heating	4.3 kW
EER / AEER (cooling)	3.18 / 3.16
COP / ACOP (heating)	3.62 / 3.60
Unit Controller	UC8
Refrigerant	R410A
Refrigerant Charge	6.5 kg/sys.
Compressor oil type	POE 32-3MAF (or equivalent)
Compressor type	digital scroll
Power supply	3 ph. 400V ac 50Hz
Compressor (3ph.) run amps at rating cond.	7 / 7 / 6.5 A
Compressor circuit breaker	20 A
Indoor fan motor size	EC plug 350 dia. 1.25kW
Nominal air flow at rating conditions	825 l/s
Indoor fan motor (3ph.) - full load	2.5 A/ph.
Outdoor fan motor (1ph.) - full load	2 A
Outdoor fan capacitor size	6 μ fd
Control circuit breaker (internal)	4 A
Running amps (total system)	7.5 / 8 / 9 A
Max. running amps (total system)	11 / 11.5 / 12 A
Net weight	230 kg

Accessories:

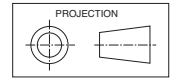
TZT-100 Room temperature controller	supplied
Filter - rated EU4/G4 disposable	019-000-045 790x595x50
Vertical Discharge Grille	526-000-023

Refer to temperzone for other options.

Tested in accordance with AS/NZS 3823

18023

DIMENSIONS (mm)

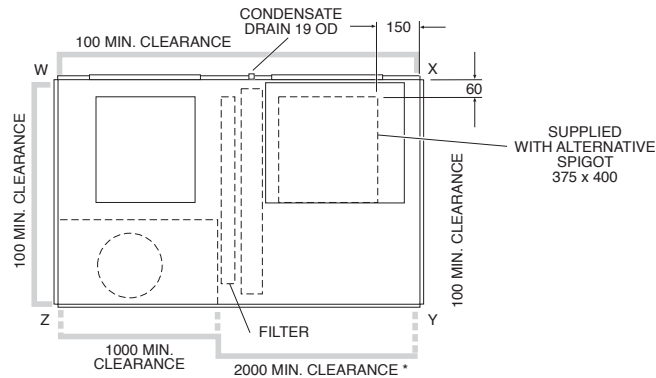


Not to Scale

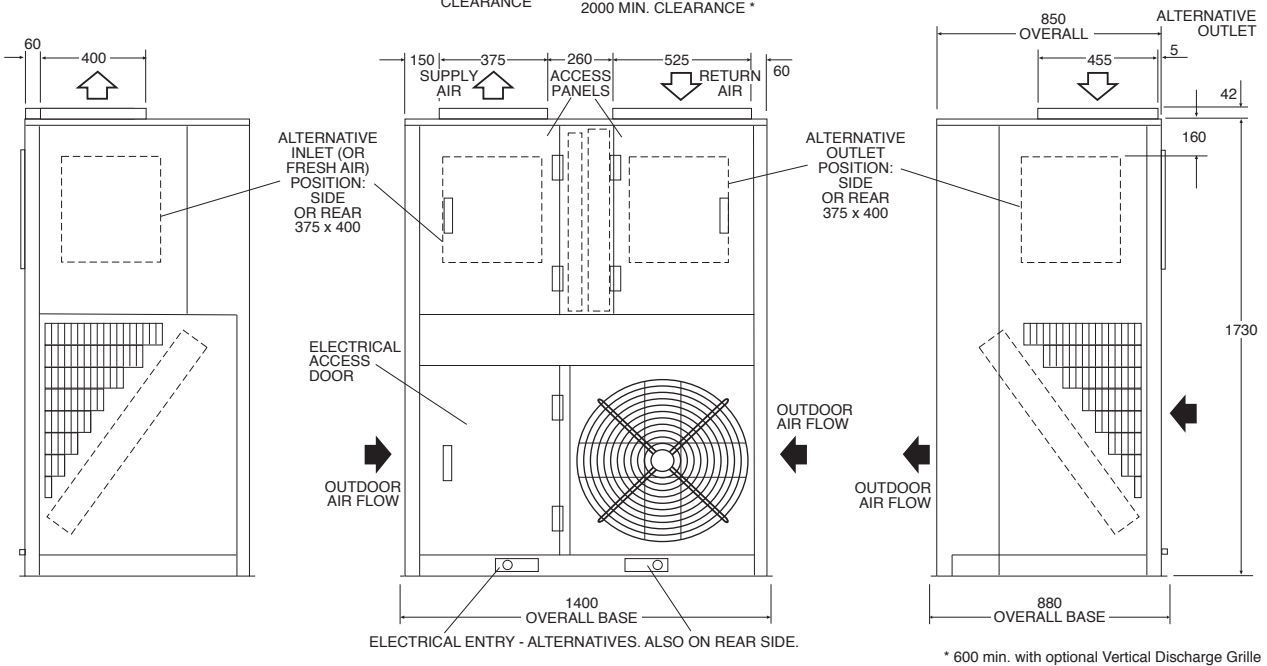
VPA 160RKTBGV

Note:

Standard configuration is vertical supply and return air. Supply/Return air direction and alternative inlet/outlet positions are changeable on site.



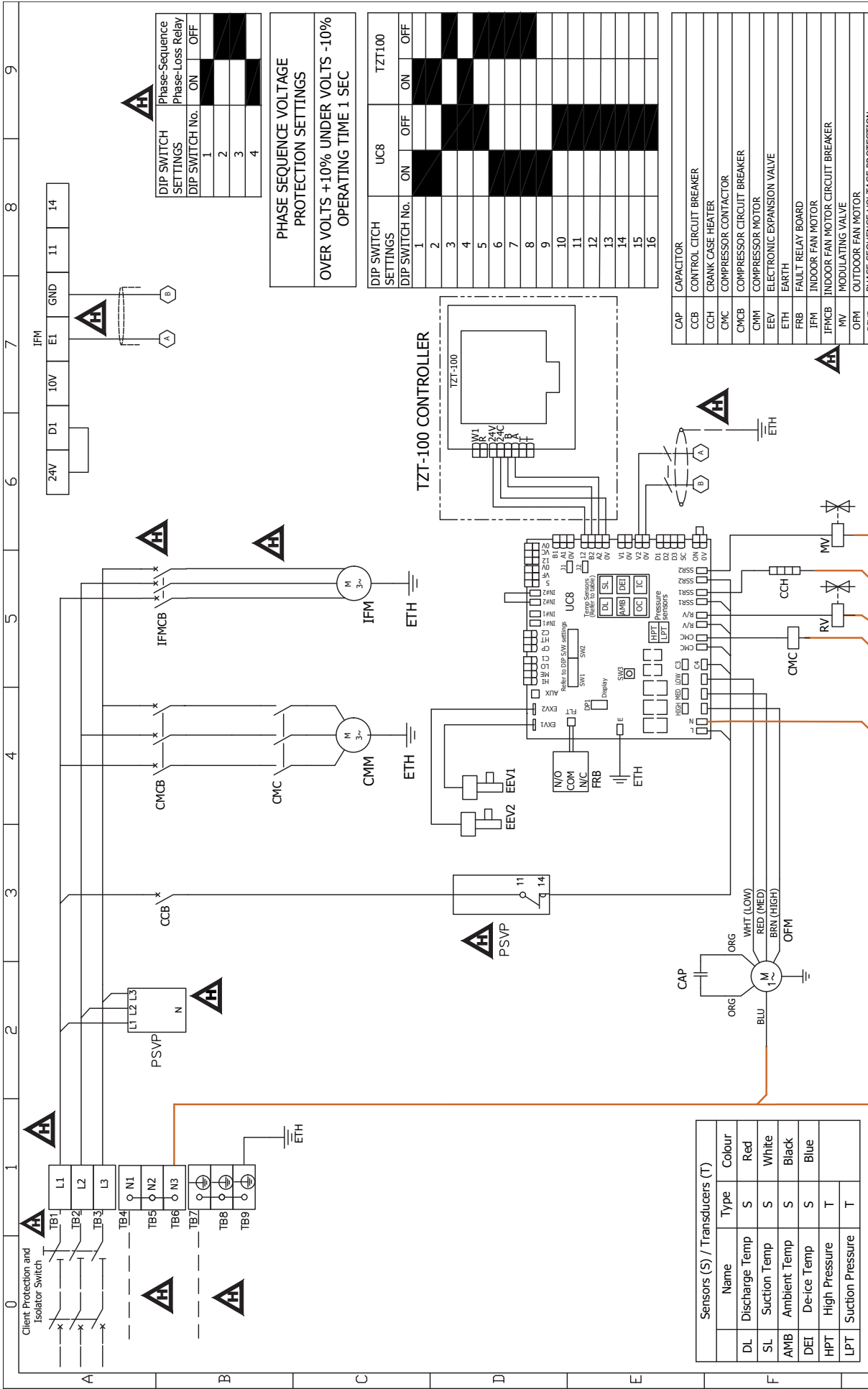
POINT LOADS (kg)			
W	X	Y	Z
51	27	37	145



NOTE

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





DIP SWITCH SETTINGS	Phase-Sequence	Phase-Loss Relay
1	ON	OFF
2	OFF	OFF
3	OFF	OFF
4	OFF	OFF

PHASE SEQUENCE VOLTAGE PROTECTION SETTINGS
OVER VOLTS +10% UNDER VOLTS -10% OPERATING TIME 1 SEC

DIP SWITCH SETTINGS	UC8	TZT100
1	ON	OFF
2	OFF	OFF
3	OFF	OFF
4	OFF	OFF
5	OFF	OFF
6	OFF	OFF
7	OFF	OFF
8	OFF	OFF
9	OFF	OFF
10	OFF	OFF
11	OFF	OFF
12	OFF	OFF
13	OFF	OFF
14	OFF	OFF
15	OFF	OFF
16	OFF	OFF

UC8	Function
1	CAPACITOR
2	CONTROL CIRCUIT BREAKER
3	CRANK CASE HEATER
4	COMPRESSOR CONTACTOR
5	COMPRESSOR CIRCUIT BREAKER
6	COMPRESSOR MOTOR
7	ELECTRONIC EXPANSION VALVE
8	EARTH
9	FAULT RELAY BOARD
10	INDOOR FAN MOTOR
11	INDOOR FAN MOTOR CIRCUIT BREAKER
12	MODULATING VALVE
13	OUTDOOR FAN MOTOR
14	PHASE SEQUENCE VOLTAGE PROTECTION
15	REVERSING VALVE
16	UNIT CONTROLLER 8

Sensors (S) / Transducers (T)		
Name	Type	Colour
DL	Discharge Temp	S Red
SL	Suction Temp	S White
AMB	Ambient Temp	S Black
DEL	De-ice Temp	S Blue
HPT	High Pressure	T
LPT	Suction Pressure	T

REV	DESCRIPTION	ECN	DATE	APVD
H	Added IFM CB, Removed MS, spring TB; P.L.R DIP settings & N removed, IFM Cable	N4199	31-01-20	P.M.C
G	Corrected DIP switch settings No.4 now OFF	N4062	09-11-18	L.O.L

Drawing No: 291-000-296
 SHEET 1 OF 1
 Rev: H
 VPA 160RKTG
 Wiring Schematic
 Title: VPA 160RKTG Wiring Schematic
 Date: 10-10-12
 Drawn: B.E.S.
 Approved: *SR*
 Client Wiring
 DO NOT SCALE - ASK
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