

# SPECIFICATIONS



<b>Model</b>	<b>HWP 142RKT</b>
Item No. (Standard / Opposite Hand)	509-142-001 / 509-142-011
Cooling capacity (net) to AS/NZS 3823 T1	14.1 kW
Heating capacity H1	14.5 kW
Electrical input - cooling	3.7 kW
Electrical input - heating	3.6 kW
EER / AEER (cooling)	3.80 / 3.79
COP / ACOP (heating)	4.10 / 4.08
Unit Controller	UC8
Refrigerant	R410A
Refrigerant charge	1.87 kg
Compressor type	scroll
Water connections	3/4" male BSP
Nominal EWT/EAT on cooling	30°C / 27°C db, 19°C wb
Nominal EWT/EAT on heating	20°C / 20°C
Nominal Water Flow @ EWT – LWT = 5k	0.88 l/s
Entering system pressure drop @ nominal flow	69 kPa (10 psi)
Min. water temp. Heat cycle at nominal flow & EAT	10°C
Min. water temp. Cool cycle at nominal flow & EAT	15°C
Min. water temp. Cool cycle with water flow control valve	5°C
Max. EWT Heat cycle at nominal flow & EAT	30°C
Max. EWT Cool cycle at nominal flow & EAT	50°C
Min. water flow @ nominal EWT & EAT	0.24 l/s
Max. water pressure – excluding hoses	3200 kPa (464psi)
Power supply	3 ph. 400V ac 50Hz
Compressor run amps at rating cond.	4.5 A
Indoor fan motor size	550 W
Indoor fan motor (1ph.) - full load	4.5 A
Control circuit breaker (internal)	10 A
Running amps (total system)	7.9 / 4.6 / 4.5 A
Max. running amps (total system)	12 / 7.2 / 7.2 A.
Net weight	141 kg

### Accessories:

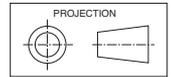
Spring mounts	supplied
Water hoses 600mm long, rated 250psi	3/4" female BSP, supplied
Replacement filter EU2 rated	119-000-099 763x405x13
Condensate lift-pump	507-003-010

### Optional:

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

Refer to temperzone for other options, eg remote sensors

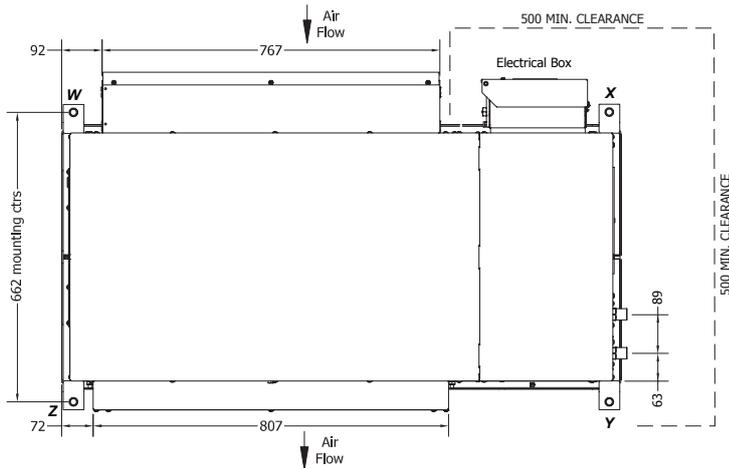
# DIMENSIONS (mm)



Not to Scale

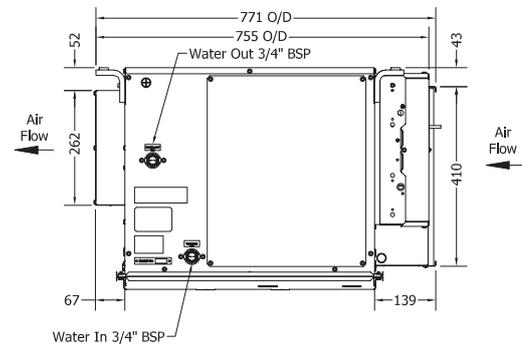
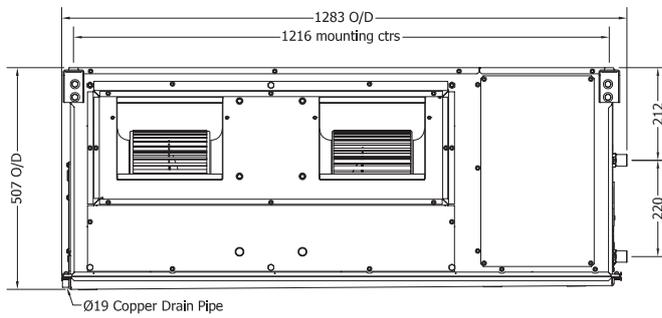
## HWP 142RKT Standard

Right handed model shown here



POINT LOADS (kg)			
W	X	Y	Z
26	41	47	27

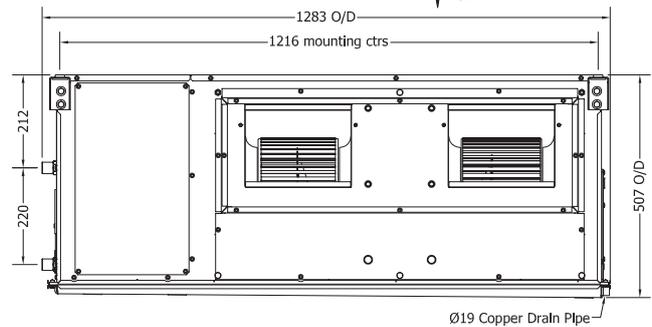
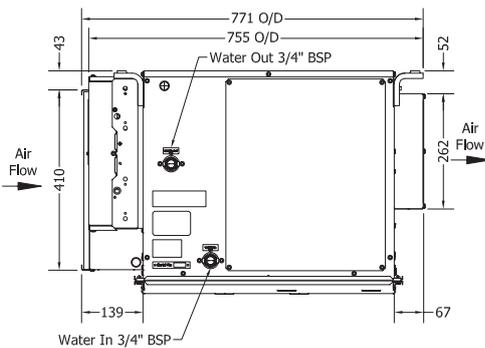
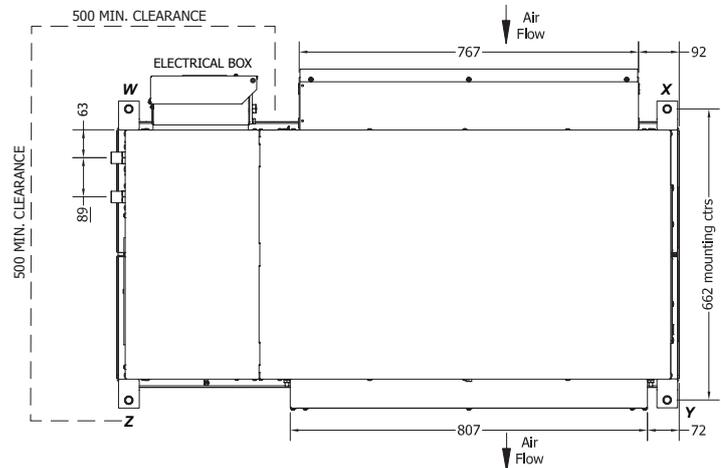
**Note:** Fan motor can be accessed from panel above, below or sides; no more than two panels at once.



## HWP 142RKT Opposite Hand

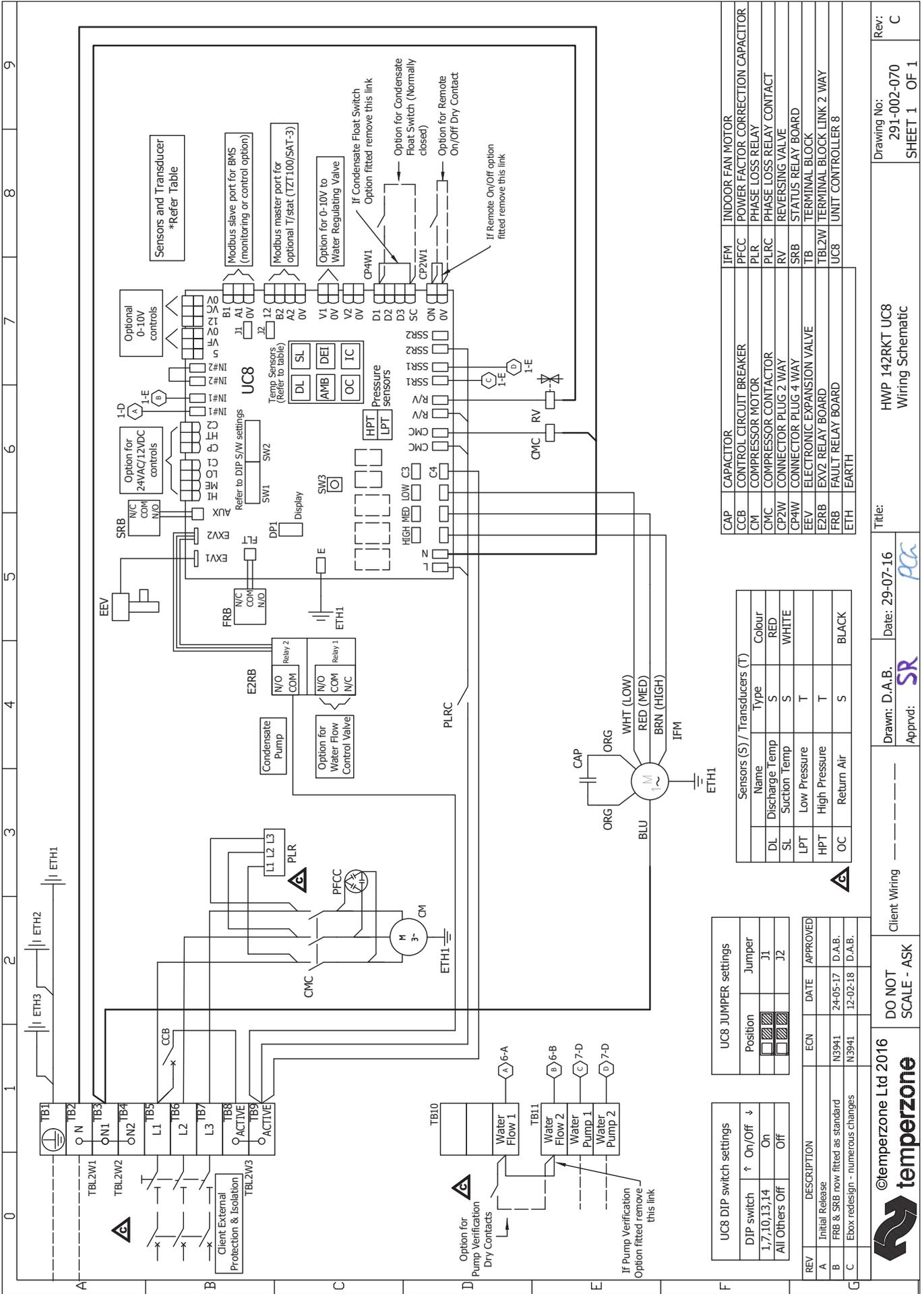
POINT LOADS (kg)			
W	X	Y	Z
41	27	26	47

**Note:** Fan motor can be accessed from panel above, below or sides; no more than two panels at once.



### NOTE

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



CAP	CAPACITOR	IFM	INDOOR FAN MOTOR
CCB	CONTROL CIRCUIT BREAKER	PFCC	POWER FACTOR CORRECTION CAPACITOR
CM	COMPRESSOR MOTOR	PLR	PHASE LOSS RELAY
CMC	COMPRESSOR CONTACTOR	PLRC	PHASE LOSS RELAY CONTACT
CP2W	CONNECTOR PLUG 2 WAY	RV	REVERSING VALVE
CP4W	CONNECTOR PLUG 4 WAY	SRB	STATUS RELAY BOARD
EEV	ELECTRONIC EXPANSION VALVE	TB	TERMINAL BLOCK
E2RB	EXV2 RELAY BOARD	TBL2W	TERMINAL BLOCK LINK 2 WAY
FRB	FAULT RELAY BOARD	UC8	UNIT CONTROLLER 8
ETH	EARTH		

Sensors (S) / Transducers (T)		
Name	Type	Colour
DL	Discharge Temp	RED
SL	Suction Temp	WHITE
LPT	Low Pressure	T
HPT	High Pressure	T
OC	Return Air	BLACK

UC8 JUMPER settings		
Position	Jumper	
<input checked="" type="checkbox"/>	J1	
<input type="checkbox"/>	J2	

REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release			
B	FRB & SRB now fitted as standard	N3941	24-05-17	D.A.B.
C	Ebox redesign - numerous changes	N3941	12-02-18	D.A.B.


**temperzone** Ltd 2016

DO NOT SCALE - ASK Client Wiring

Drawn: D.A.B. Date: 29-07-16

Approved: **SR**

Title: HWP 142RKT UC8 Wiring Schematic

Drawing No: 291-002-070 SHEET 1 OF 1

Rev: C



# SPECIFICATIONS



Model	HWP 142CKT	HWP 142CEKT
Item No. - Standard	509-142-101	509-142-102
Item No. - Opposite Hand	509-142-111	509-142-112
Cooling capacity (net) to AS/NZS 3823 T1	14.1 kW	
Heating capacity - Electric heat	n/a	6.0 kW
Electrical input - cooling	3.7 kW	
Electrical input - heating	n/a	6.8 kW
EER / AEER (cooling)	3.80 / 3.79	
Unit Controller	UC8	
Refrigerant	R410A	
Refrigerant charge	1.87 kg	
Compressor type	scroll	
Water connections	3/4" male BSP	
Nominal EWT on cooling	30°C	
Nominal EAT on cooling	27°C db, 19°C wb	
Nominal Water Flow @ EWT – LWT = 5k	0.88 l/s	
Entering system pressure drop @ nominal flow	69 kPa (10 psi)	
Min. water temp. Cool cycle at nominal flow & EAT	15°C	
Min. water temp. Cool cycle with water flow control valve	5°C	
Max. EWT Cool cycle at nominal flow & EAT	50°C	
Min. water flow @ nominal EWT & EAT	0.24 l/s	
Max. water pressure – excluding hoses	3200 kPa (464 psi)	
Power supply	3 ph. 400V ac 50Hz	
Compressor run amps at rating cond.	4.5 A	
Indoor fan motor size	550 W	
Indoor fan motor (1ph.) - full load	4.5 A	
Control circuit breaker (internal)	10 A	
Running amps (total system)	7.9 / 4.6 / 4.5 A	3.5 / 13 / 13
Max. running amps (total system)	12.1 / 7.2 / 7.2A.	12.1 / 13 / 13
Net weight	141 kg	141 kg

## Accessories:

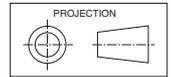
Spring mounts	supplied
Water hoses 600mm long, rated 250psi	3/4" female BSP, supplied
Replacement filter - rated EU2/G2	119-000-099 763x405x13
Condensate lift-pump	507-003-010

## Optional:

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

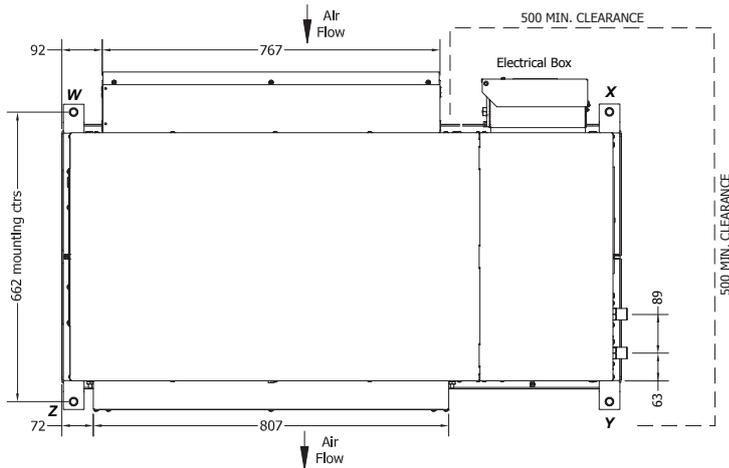
Refer to temperzone for other options, eg remote sensors

# DIMENSIONS (mm)



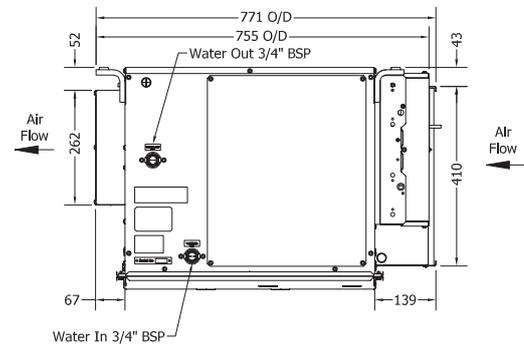
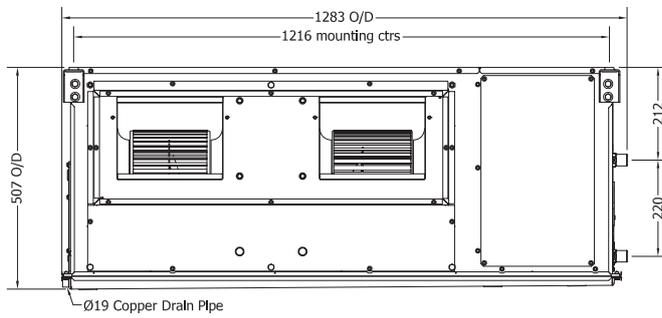
Not to Scale

## HWP 142 CKT/CEKT Standard



POINT LOADS (kg)			
W	X	Y	Z
26	41	47	27

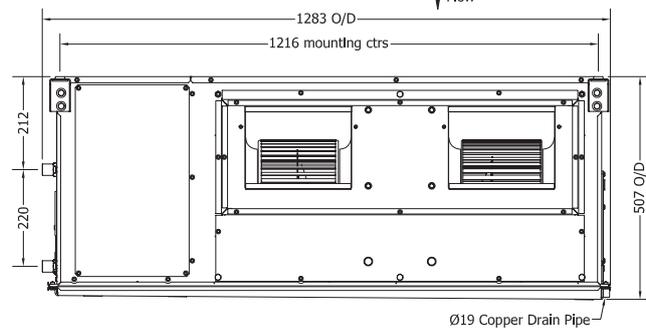
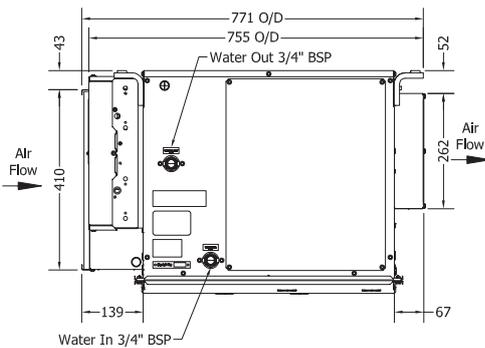
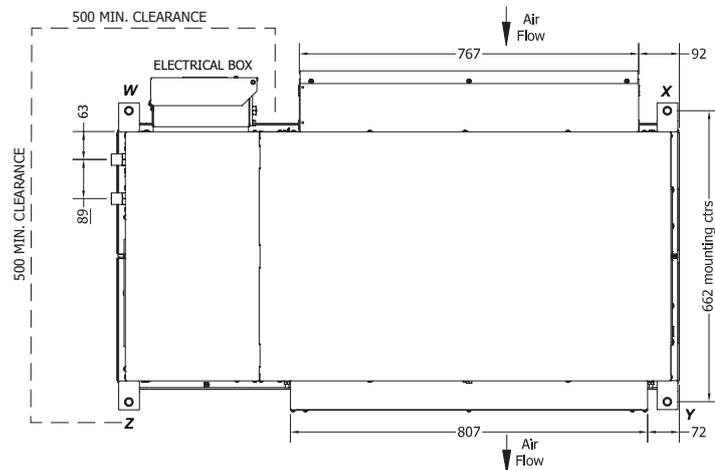
**Note:** Fan motor can be accessed from panel above, below or sides; no more than two panels at once.



## HWP 142 CKT/CEKT Opposite Hand

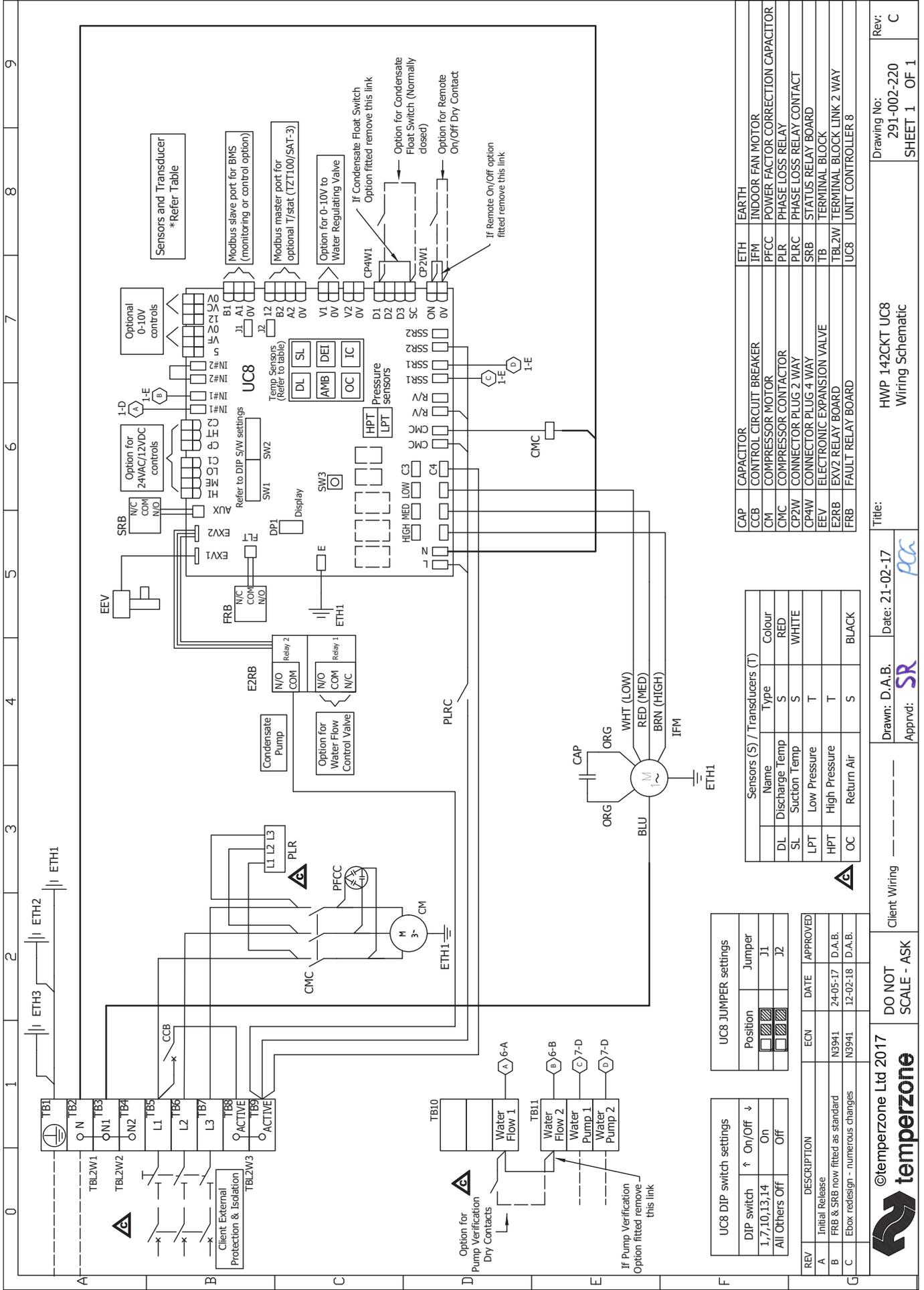
POINT LOADS (kg)			
W	X	Y	Z
41	27	26	47

**Note:** Fan motor can be accessed from panel above, below or sides; no more than two panels at once.



### NOTE

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



CAP	CAPACITOR	ETH	EARTH
CCB	CONTROL CIRCUIT BREAKER	IFM	INDOOR FAN MOTOR
CM	COMPRESSOR MOTOR	PFCC	POWER FACTOR CORRECTION CAPACITOR
CMC	COMPRESSOR CONTACTOR	PLR	PHASE LOSS RELAY
CP2W	CONNECTOR PLUG 2 WAY	PLRC	PHASE LOSS RELAY CONTACT
CP4W	CONNECTOR PLUG 4 WAY	SRB	STATUS RELAY BOARD
EEV	ELECTRONIC EXPANSION VALVE	TB	TERMINAL BLOCK
E2RB	EXV2 RELAY BOARD	TBL2W	TERMINAL BLOCK LINK 2 WAY
FRB	FAULT RELAY BOARD	UC8	UNIT CONTROLLER 8

Sensors (S) / Transducers (T)		
Name	Type	Colour
DL	Discharge Temp	RED
SL	Suction Temp	WHITE
LPT	Low Pressure	T
HPT	High Pressure	T
OC	Return Air	BLACK

UC8 JUMPER settings	
Position	Jumper
<input checked="" type="checkbox"/>	J1
<input type="checkbox"/>	J2

REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release			
B	FRB & SRB now fitted as standard	N3941	24-05-17	D.A.B.
C	Ebox redesign - numerous changes	N3941	12-02-18	D.A.B.

Drawing No: 291-002-220  
 SHEET 1 OF 1  
 Rev: C

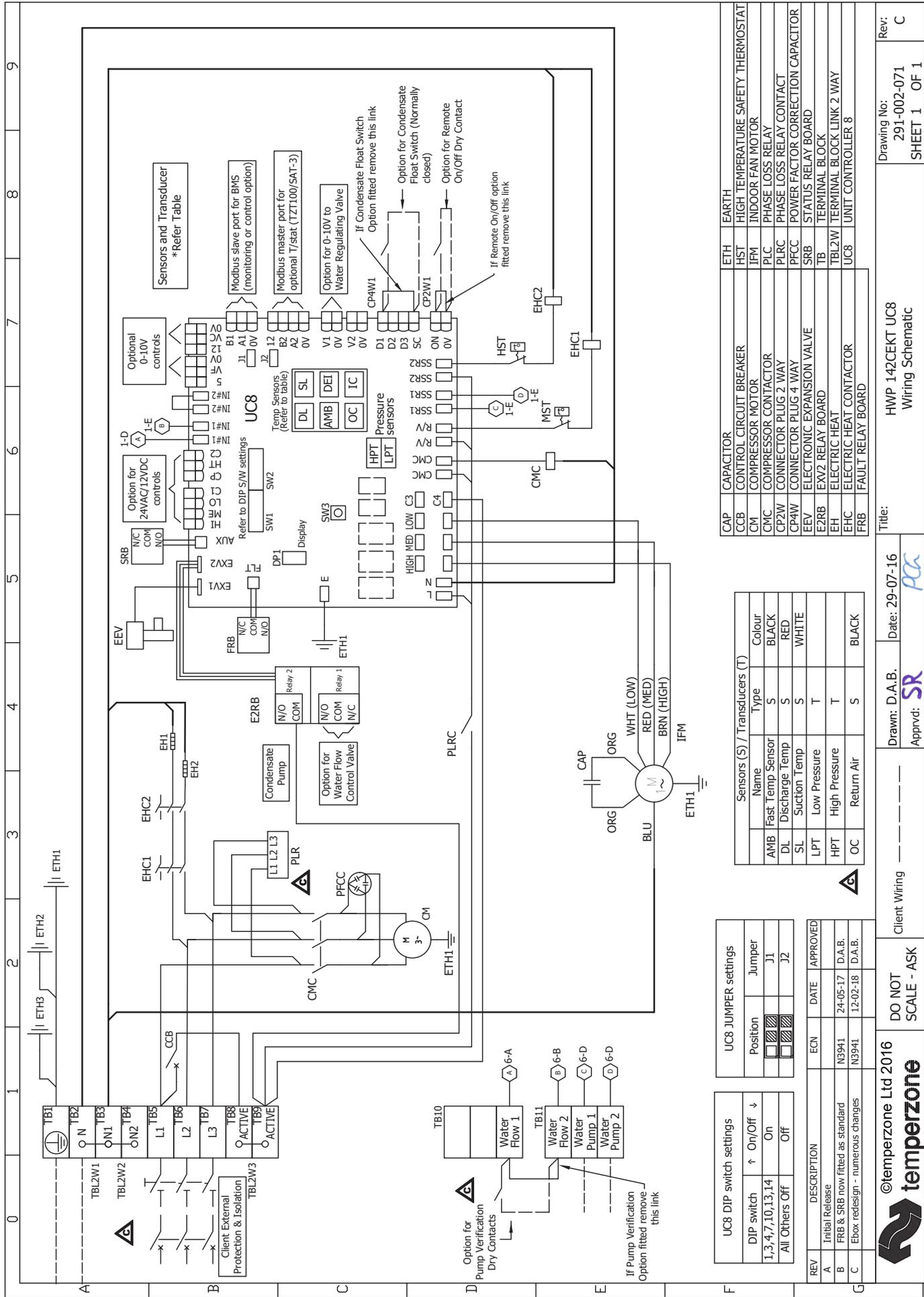
Title: HWP 142CKT UC8 Wiring Schematic

Drawn: D.A.B. Date: 21-02-17  
 Appvd: **SR**

Client Wiring

DO NOT SCALE - ASK

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Component	Terminal
CAP	CAPACITOR
CCB	CONTROL CIRCUIT BREAKER
CM	COMPRESSOR MOTOR
CMC	COMPRESSOR CONTACTOR
CP2W	CONNECTOR PLUG 2 WAY
CP4W	CONNECTOR PLUG 4 WAY
EEV	ELECTRONIC EXPANSION VALVE
E2RB	EXV2 RELAY BOARD
EH	ELECTRIC HEAT
EHC	ELECTRIC HEAT CONTACTOR
FRB	FAULT RELAY BOARD
HST	HIGH TEMPERATURE SAFETY THERMOSTAT
IFM	INDOOR FAN MOTOR
PLC	PHASE LOSS RELAY
PLRC	PHASE LOSS RELAY CONTACT
PFCC	POWER FACTOR CORRECTION CAPACITOR
SRB	STATUS RELAY BOARD
TB	TERMINAL BLOCK
TBL2W	TERMINAL BLOCK LINK 2 WAY
UC8	UNIT CONTROLLER 8

Sensors (S) / Transducers (T)	Name	Type	Colour
AMB	Fast Temp Sensor	S	BLACK
DL	Discharge Temp	S	RED
SL	Suction Temp	S	WHITE
LPT	Low Pressure	T	
HPT	High Pressure	T	
OC	Return Air	S	BLACK

UC8 DIP switch settings	
DIP switch	On/Off
1,3,4,7,10,13,14	On
All Others	Off

UC8 JUMPER settings	
Position	Jumper
J1	
J2	

REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release			
B	FRB & SRB now fitted as standard	N3941	24-05-17	D.A.B.
C	Ebox redesign - numerous changes	N3941	12-02-18	D.A.B.

**temperzone**  
 Client Wiring  
 DO NOT SCALE - ASK  
 Drawing No: 291-002-071 SHEET 1 OF 1  
 Title: HWP 142CEKT UC8 Wiring Schematic  
 Date: 29-07-16  
 Drawn: D.A.B. Approved: SR  
 Rev: C