AERONA
SMART HEAT PUMP CONTROLLER

INTUITIVE DESIGN

7 DAY PROGRAMMING

EASY SET UP

HEATING CURVE SELECTION

WEB BASED MONITORING & CONTROL

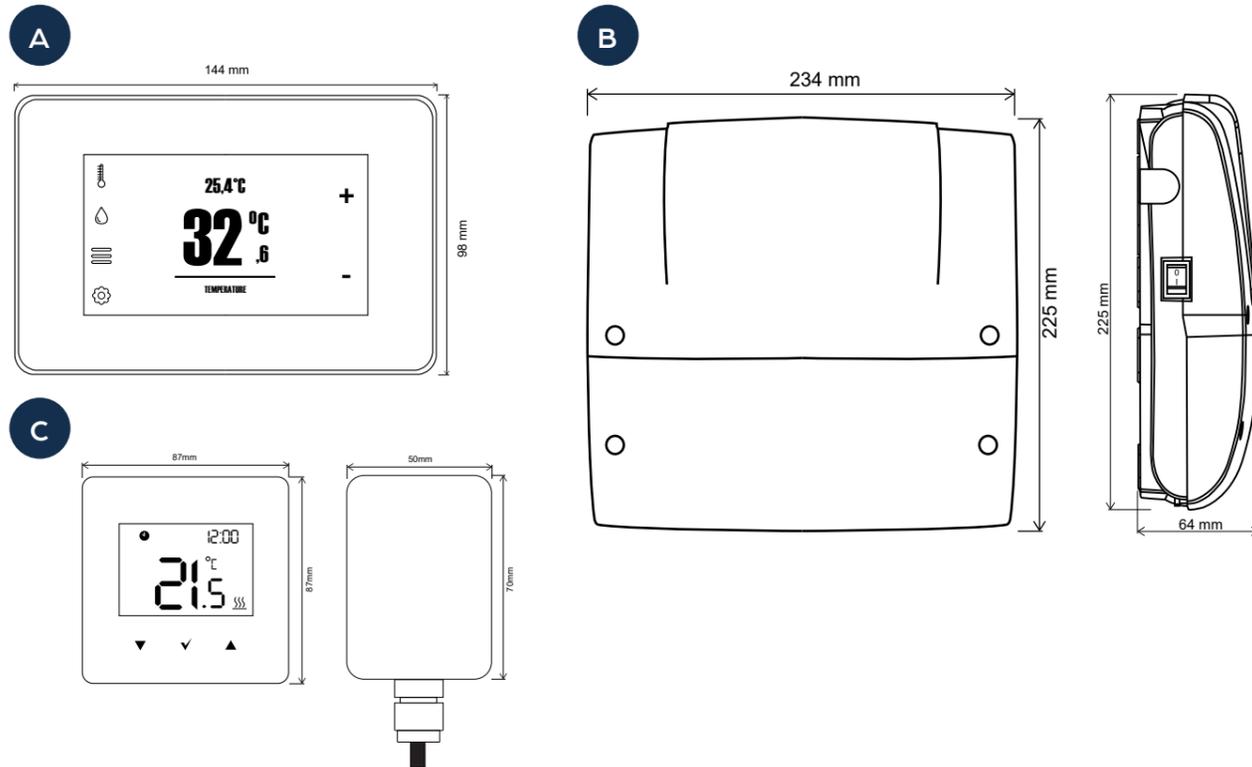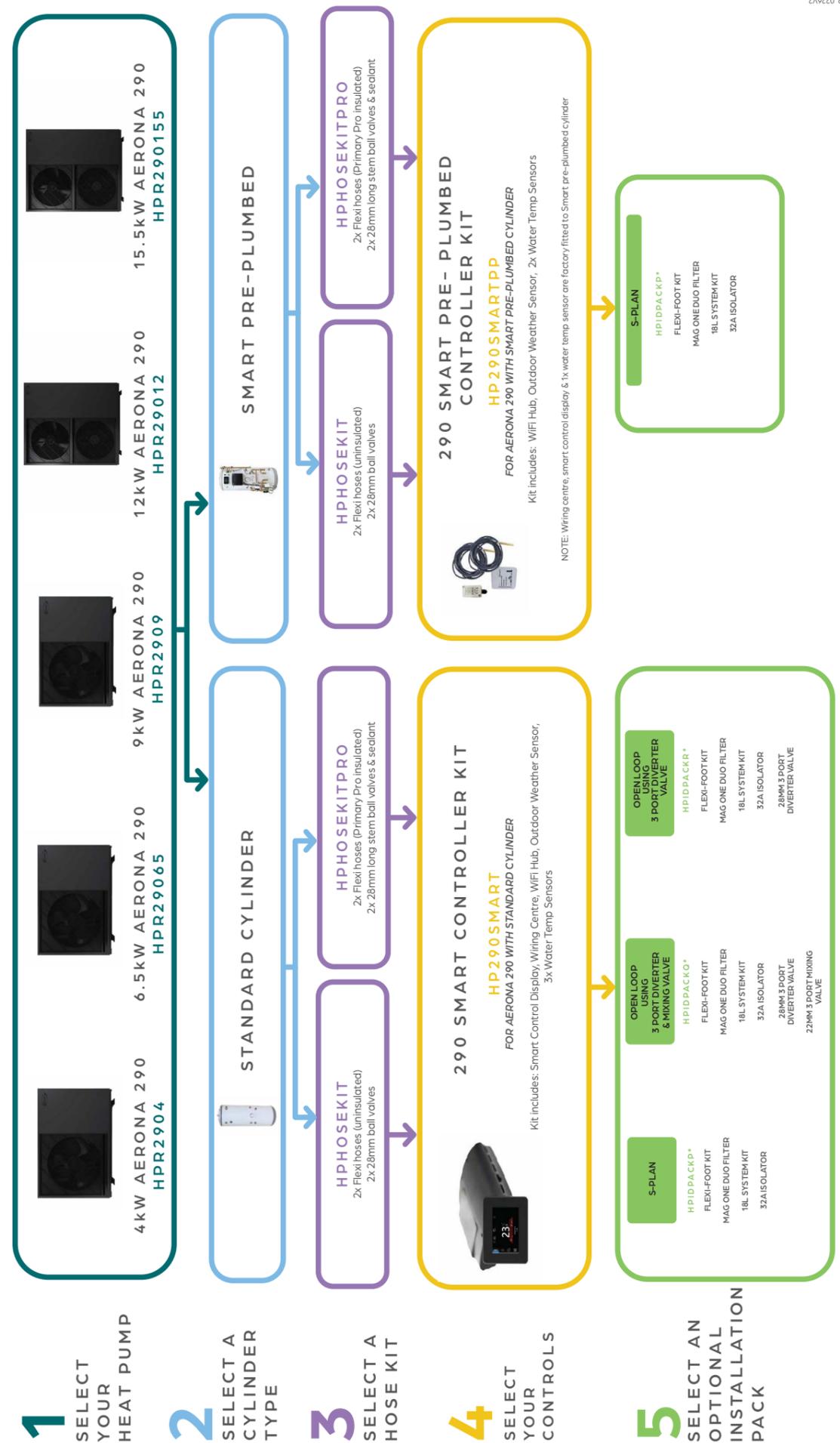3 HEATING ZONES + DHW

TECHNICAL DATA

	TOUCHSCREEN DISPLAY (A)	WIRING CENTRE (B)
Power supply	12 VDC – via wiring centre	230 VAC, 50 Hz
Current	0.15 A	0.4 A
Display	Touch screen, graphical 480 x 272 px	–
Protection class	IP 20	IP 20
Ambient temperature	0 – 50°C	0 – 50°C
Storage temperature	0 – 65°C	0 – 65°C
Terminals	Screw terminals: 0,15 – 1,5mm²	Screw terminals at supply voltage side – 1.0–2.5 mm² Screw terminals at control voltage side – 0.14–1.0 mm²
Dimensions	144 x 97 x 20mm	234 x 225 x 64mm
Standards	PN–EN 60730–2–9 PN–EN 60730–1	PN–EN 60730–2–9 PN–EN 60730–1
Software class	A, acc. to PN–EN 60730–1	A, acc. to PN–EN 60730–1
Installation method	Wall mounted	Wall mounted

THERMOSTATS & WIRELESS RECEIVER (C)

Thermostat Power supply (Wired / Wireless)	5 to 12V DC 0.2W via Wiring Centre / 2 x AA (LR6) 1.5V Alkaline Batteries
Wireless Receiver Power	5 to 12V DC 0.2W via Wiring Centre
Degree of Protection (Thermostats / Wireless Receiver)	IP20 / IP40
Relative Humidity	5 to 85% without Steam condensation
Storage Temperature	–10°C to 60°C
Working Temperature (Wired Thermostat / Wireless Receiver and Stat)	0 to 40°C / 5 to 35°C
Display	LCD with backlight
Controlling	Capacitive Buttons
Weight (Thermostat Panels / Wireless Receiver)	0.2kg / 0.16kg
Communication (Wireless Receiver)	Bi-Direction ISM Radio – ISM 868 MHz (865 to 868MHz)
Transmission Power (Wireless Thermostat and Receiver)	20mW (+13 dBm)
Dimensions (Thermostat Panels / Wireless Receiver)	87mm x 87mm x 27.3mm / 70mm x 50mm x 7.7mm
Installation method (Wired Thermostat & Wireless Receiver)	Wall Mounted
Installation Method (Wireless Thermostat)	Stand Mounted

A
144 mm
98 mm
25.4°C
32 °C .6
TEMPERATURE

B
234 mm
225 mm
225 mm
64 mm

C
87mm
50mm
87mm
70mm
12:00
21.5 °C

CONFIGURE YOUR GRANT R290 HEAT PUMP

1 SELECT YOUR HEAT PUMP

- 4kW AERONA 290 — HPR2904
- 6.5kW AERONA 290 — HPR29065
- 9kW AERONA 290 — HPR2909
- 12kW AERONA 290 — HPR29012
- 15.5kW AERONA 290 — HPR290155

2 SELECT A CYLINDER TYPE

- SMART PRE-PLUMBED
- STANDARD CYLINDER

3 SELECT A HOSE KIT

- HPHOSEKITPRO — 2x Flexi hoses (Primary Pro insulated), 2x 28mm long stem ball valves & sealant
- HPHOSEKIT — 2x Flexi hoses (uninsulated), 2x 28mm ball valves
- HPHOSEKITPRO — 2x Flexi hoses (Primary Pro insulated), 2x 28mm long stem ball valves & sealant
- HPHOSEKIT — 2x Flexi hoses (uninsulated), 2x 28mm ball valves

4 SELECT YOUR CONTROLS

- 290 SMART PRE-PLUMBED CONTROLLER KIT — HP290SMARTPP — FOR AERONA 290 WITH SMART PRE-PLUMBED CYLINDER — Kit includes : WiFi Hub, Outdoor Weather Sensor, 2x Water Temp Sensors — NOTE: Wiring centre, smart control display & 1x water temp sensor are factory fitted to Smart pre-plumbed cylinder
- 290 SMART CONTROLLER KIT — HP290SMART — FOR AERONA 290 WITH STANDARD CYLINDER — Kit includes: Smart Control Display, Wiring Centre, WiFi Hub, Outdoor Weather Sensor, 3x Water Temp Sensors

5 SELECT AN OPTIONAL INSTALLATION PACK

- S-PLAN — HPIDPACKD* — FLEXI-FOOT KIT, MAG ONEDUO FILTER, 18L SYSTEM KIT, 32A ISOLATOR
- OPEN LOOP USING 3 PORT DIVERTER VALVE — HPIDPACKR* — FLEXI-FOOT KIT, MAG ONE DUO FILTER, 18L SYSTEM KIT, 32A ISOLATOR, 28MM 3 PORT DIVERTER VALVE
- OPEN LOOP USING 3 PORT DIVERTER & MIXING VALVE — HPIDPACKO* — FLEXI-FOOT KIT, MAG ONE DUO FILTER, 18L SYSTEM KIT, 32A ISOLATOR, 28MM 3 PORT DIVERTER VALVE, 22MM 3 PORT MIXING VALVE
- S-PLAN — HPIDPACKD* — FLEXI-FOOT KIT, MAG ONE DUO FILTER, 18L SYSTEM KIT, 32A ISOLATOR

*50L internal volumiser is available as an optional component where there is insufficient system volume (HPIDVOL50/HPIDVOL50X). Stand for cylinder when used with a 50L volumiser is also available (MB-50)

CONFIGURE YOUR GRANT R32 HEAT PUMP

1 — CHOOSE YOUR HEAT PUMP

6kW AERONA³
HPID6R32BODY

10kW AERONA³
HPID10R32BODY

13kW AERONA³
HPID13R32BODY

17kW AERONA³
HPID17R32BODY

2 — CHOOSE YOUR CONTROLS

R32 SMART CONTROLLER

R32 REMOTE CONTROLLER KIT

HPIDR32CON6 *FOR 6kW AERONA³*
HPIDR32CON10 *FOR 10kW AERONA³*
HPIDR32CON1317 *FOR 13kW & 17kW AERONA³*

Kit includes: Controller, Controller cable, 2x Flexible Hoses, 2x Isolation valves, Flow setter

3 — CHOOSE A CYLINDER TYPE

SMART PRE-PLUMBED

STANDARD CYLINDER

PRE-PLUMBED

STANDARD

R32 SMART PRE-PLUMBED CONTROLLER KIT

Kit includes: WiFi Hub, Outdoor, Weather Sensor, 2x Water Temp Sensors, 2x Flexible Hoses, 4x Isolation valves, Flow sensor

HP32SMART6PP
FOR 6kW AERONA³ & SMART PRE-PLUMBED CYLINDER
HP32SMART10PP
FOR 10kW AERONA³ & SMART PRE-PLUMBED CYLINDER
HP32SMART1317PP
FOR 13kW & 17kW AERONA³ & SMART PRE-PLUMBED CYLINDER

NOTE: Wiring centre, smart control display & 1x water temp sensor are factory fitted to Smart pre-plumbed cylinder

R32 SMART CONTROLLER KIT

Kit includes: Smart Control Display, Wiring Centre, WiFi Hub, Outdoor Weather Sensor, 3x Water Temp Sensors, 2x Flexible Hoses, 4x Isolation valves, Flow sensor

HPIDR32SMART6 *FOR 6kW AERONA³*
HPIDR32SMART10 *FOR 10kW AERONA³*
HPIDR32SMART1317 *FOR 13kW & 17kW AERONA³*

4 — CHOOSE AN OPTIONAL INSTALLATION PACK

From STANDARD CYLINDER / SMART CONTROLLER KIT

S-PLAN	OPEN LOOP USING 3 PORT DIVERTER & MIXING VALVE	OPEN LOOP USING 3 PORT DIVERTER VALVE
HPIDPACKP*	HPIDPACKQ*	HPIDPACKR*
FLEXI-FOOT KIT	FLEXI-FOOT KIT	FLEXI-FOOT KIT
MAG ONE DUO FILTER	MAG ONE DUO FILTER	MAG ONE DUO FILTER
18L SYSTEM KIT	18L SYSTEM KIT	18L SYSTEM KIT
32A ISOLATOR	32A ISOLATOR	32A ISOLATOR
	28MM 3 PORT DIVERTER VALVE	28MM 3 PORT DIVERTER VALVE
	22MM 3 PORT MIXING VALVE	

From SMART PRE-PLUMBED

S-PLAN
HPIDPACKP*
FLEXI-FOOT KIT
MAG ONE DUO FILTER
18L SYSTEM KIT
32A ISOLATOR

From PRE-PLUMBED

S-PLAN	
HPIDR32PACKB	HPIDR32PACKL*
LOW LOSS HEADER	FLEXI-FOOT KIT
FLEXI-FOOT KIT	MAG ONE DUO FILTER
MAG ONE DUO FILTER	18L SYSTEM KIT
18L SYSTEM KIT	DHW PROGRAMMER
DHW PROGRAMMER	32A ISOLATOR
32A ISOLATOR	

From STANDARD

S-PLAN		OPEN LOOP	
HPIDR32PACKA	HPIDR32PACKK*	HPIDR32PACKC	HPIDR32PACKM*
LOW LOSS HEADER	7 DAY IMMERSION PROGRAMMER	LOW LOSS HEADER	7 DAY IMMERSION PROGRAMMER
7 DAY IMMERSION PROGRAMMER	FLEXI-FOOT KIT	7 DAY IMMERSION PROGRAMMER	FLEXI-FOOT KIT
FLEXI-FOOT KIT	MAG ONE DUO FILTER	FLEXI-FOOT KIT	MAG ONE DUO FILTER
MAG ONE DUO FILTER	18L SYSTEM KIT	MAG ONE DUO FILTER	18L SYSTEM KIT
18L SYSTEM KIT	WIRING CENTRE	18L SYSTEM KIT	HEAT PUMP WIRING INTERFACE
WIRING CENTRE	C/W DHW PRIORITY	HEAT PUMP WIRING INTERFACE	DHW PROGRAMMER
C/W DHW PRIORITY	DHW PROGRAMMER	DHW PROGRAMMER	32A ISOLATOR
DHW PROGRAMMER	32A ISOLATOR	32A ISOLATOR	HW PRIORITY RELAY
32A ISOLATOR		HW PRIORITY RELAY	28MM 3-PORT DIVERTER VALVE
		28MM 3-PORT DIVERTER VALVE	CYLINDER SENSOR
		CYLINDER SENSOR	

Immersion relay now available as an optional accessory (part code: HPIDSMARTIMM)

*30L external volumiser or 50L internal volumiser are available as optional components where there is insufficient system volume (HPIDVOL30EXT/ HPIDVOL30EXT6/ HPIDVOL50/HPIDVOL50X). Stand for cylinder when used with a 50L volumiser is also available (MB-50)