

Electrified solutions

Product guide

Heat pumps, hybrids and air conditioning



Installer
guide



 **Trustpilot**

Our customers rate us excellent

The future of home heating has arrived

PUMP IT UP



Products shown are Compress 5800i AW pre-plumbed cylinder and outdoor unit

Contents

Why choose Worcester Bosch?	4
Heat pumps	6 – 31
Overview	6
Compress 5800i AW (semi monobloc)	8 – 13
– Compatibility	8
– System set-ups	9
– Clearances	9
– Key information	10
– Controls	11
– Accessories	12
– Database information	13
Compress 7001i AW (semi monobloc)	14 – 19
– System set-ups	15
– Clearances	15
– Key information	16
– Controls and accessories	17
– Database information	18
Compress 2000 AWF (full monobloc)	20 – 25
– Clearances	21
– Key information	22
– Controls and accessories	23
– Database information	24
Compress 3400i AWS (split)	26 – 31
– System set-ups	27
– Clearances	27
– Key information	28
– Controls	29
– Accessories	30
– Database information	31
Solar	32
Cylinders	33
Air conditioning	34
Commercial	38
Heat pumps	38
Heat Interface Units	40
Guarantees	42
Training	44
Fit more promotion	46
Product database information	47
Notes	47
Get in touch	Back cover

Why choose Worcester Bosch?

It's time to embrace a new age of home heating.

With our growing range of electrified solutions, you can help your customers reduce their carbon footprint and their gas bills, without giving up their creature comforts.

From training and support, we're with you every step of the way as you diversify your business and lead the way in electrified heating.



End-to-end support

We've got your back – with marketing, technical, and design teams always on-hand.



Get ahead

Training and support to go from newbie to expert.



Tried and tested

With over 15 years of expertise, Bosch is an established leader in electrified home heating.



Our customers rate us excellent



Heat pumps

Feel good heating

Less noise, less carbon[^] - our growing heat pump range will take your business and your customers' homes into the future.

Take a look at our electrified solutions range.

Pages 8 – 13



Compress 5800i AW

Quiet, compact, powerful

- ▶ Semi monobloc air to water

Pages 20 – 25



Compress 2000 AWF

Clever, compact comfort

- ▶ Full monobloc air to water

Pages 14 – 19



Compress 7001i AW

Flexible, future-proofed heating

- ▶ Semi monobloc air to water

Pages 26 – 31



Compress 3400i AWS

Super efficient and flexible

- ▶ Split air to water

Compress 5800i AW

Quiet, compact, powerful



The CS5800i outdoor unit brings an electrified future to home heating. With space-saving features, a compact footprint, modern design, and easy installation – it's a compact heat pump with a big impact.



Quiet

Our quietest heat pump from 40dB(A), Quiet Mark certified



Powerful

Flow temp. up to 75°C for UK homes



Peace of mind

Remote monitoring via HomeCom Easy app*

Compatibility

CS5800i AW	4kW	5kW	7kW
Pre-plumbed cylinder 180L	✓	✓	✓
Pre-plumbed cylinder 210L	✓	✓	✓
Pre-plumbed cylinder 250L	✗	✓	✓
Wall hung unit	✓	✓	✓

*Monitoring may cease automatically after 12 months. No disconnection required.

System set-ups

The following information shows some possible system configurations and the necessary minimum clearances.

Heat pump system

Outdoor unit with pre-plumbed cylinder



Heat pump system

Outdoor unit with indoor unit and hot water cylinder



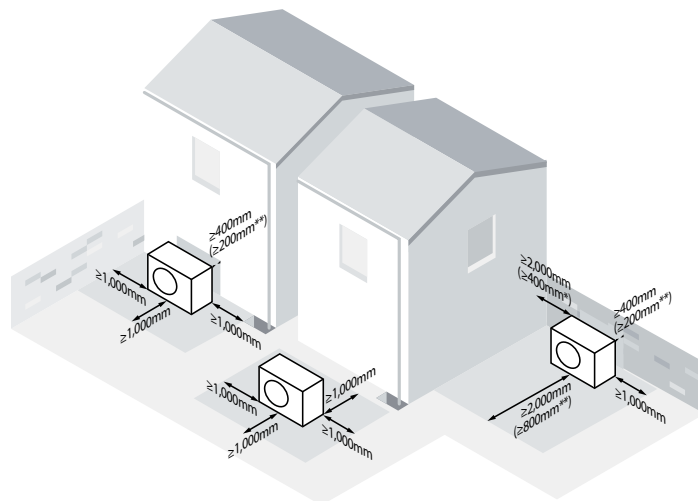
Hybrid system

Outdoor unit with hybrid unit, combi boiler* and system controller



Clearances

Front: 2,000mm (800mm**) Rear: 400mm (200mm**) Left/Right: 1,000mm (2,000mm to wall or 400mm**)



*New or existing Greenstar Combi 8000, 4000, 2000, 1000, CDi Compact, CDi Classic, Si Compact and i ErP.

**Minimum distance: The clearance can be reduced to the minimum clearance on one side and either the front or rear. There must be no house openings (windows, doors, light shafts) and electrical sources of ignition (sockets, lamps, electric switches) within the protected area.

CS5800i AW key information

Outdoor unit

Model	4 OR-S	5 OR-S	7 OR-S
Part number	8 738 213 464	8 738 213 465	8 738 213 466
Dimensions	Width	1100mm	1100mm
	Height	800mm	800mm
	Depth	540mm	540mm
Cubic dimensions	0.475m ³	0.475m ³	0.475m ³
Weight	143kg	143kg	143kg

Pre-plumbed cylinder

Model	180L Slim	210L	250L
Part number	7 731 600 271	7 731 600 272	7 731 600 273
Dimensions	Width	653mm	674mm
	Height	1708mm	1561mm
	Depth	645mm	747mm
Weight	79kg	83kg	89kg

Wall hung indoor unit

Model	AWE 12 E	Hybrid unit
Part number	8 738 214 990	CS5800i 8 732 963 437
Dimensions	Width	400mm
	Height	720mm
	Depth	297mm
Weight	26kg	20kg

Hybrid unit

Siting information

Pre-plumbed cylinder – clearances

Front: 50mm (600mm to wall)* Rear: 50mm
Left/Right: 150mm Top: 200mm

Wall hung indoor unit – clearances

Front: 800mm Top: 550mm
Left/Right: 50mm

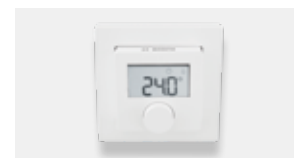
Controls



Connect-Key K30

Control with wifi from anywhere, simply download the HomeCom Easy app.

Optional heat pump controls



CR11H (wired)

Simple to use room thermostat with humidity sensor and clear display.



CR20RF (wireless)

Wireless room thermostat, which works alongside the Connect-Key K30.



RT800 (wired)

Wired room thermostat, for the easiest and most immediate heating control.

Hybrid heat pump system controls



CH120 (wired)

Set the hybrid system strategy and monitor energy consumption with the CH120 system control.



EasyControl (wired)

Internet connected programmable control to manage the hybrid system from a smart device using the EasyControl app.

Control	Part number	ErP class***	% System efficiency***
CR11H	7 738 112 972	Class VI	4%
CR20RF	7 738 112 943	Class VI	4%
RT800	7 738 112 961	Class VI	4%
CH120	7 738 112 982	Class VI	4%
EasyControl Black	7 736 701 392	Class VI	4%
EasyControl White	7 736 701 341	Class VI	4%

*Connect-Key K30 included in all CS5800i AW IDU variants excluding hybrid heat pump systems

**Monitoring may cease automatically after 12 months. No disconnection required.

***Class VI / 4% if weather compensation mode enabled and installed as a room thermostat.

*Connections and access clearance.

Accessories

Heat pump accessories

Description	Part number
Alarm buzzer	8 738 206 696
50l buffer	7 716 161 061
120l buffer	7 735 500 777
INPA Short (200mm – 400mm)	8 738 214 739
INPA Long (500mm – 1000mm)	8 738 214 740
Dew point sensor	7 747 204 698
Floor stand small	8 738 214 741
Small stand covers	8 738 214 742
Bracket kit for MM100	8 738 205 073
Wall-mount small	8 750 743 753
MM100 Mixer	7 738 110 140
CANbus cable 15m	8 738 206 183
CANbus cable 30m	8 738 206 184
Condensation heating cable 2.5m	8 738 214 748
Condensation heating cable 3.5m	8 738 214 749
Condensation heating cable 5.5m	8 738 214 750
CR20RF	7 738 112 943
RT800	7 738 112 961
CR11H	7 738 112 972
DHW cylinder sensor R40*	7 735 502 288
DHW cylinder sensor R60	7 735 502 289
Pump Group HS25/6 S BO	7 736 601 142
Pump Group HS25/6 BO	7 736 601 144
Pump Group HSM25/6 BO	7 736 601 148
Pump Group HS25/6 MM100 BO	7 736 601 151
Pump Group HSM25/6 MM100 BO	7 736 601 155

Hybrid heat pump system accessories

Description	Part number
CH120	7 738 112 982
EasyControl Black	7 736 701 392
EasyControl White	7 736 701 341

*Only required if the system has a DHW cylinder requiring 2x DHW sensors.

Database information

The following tables show product directory listings from the relevant databases: MCS, ENA and SAP. For further detail on the database information, please see page 47.

Model: Bosch CS5800iAW	MCS number	ENA number	MCS SCOP (35°C)
4 ORE-S	MCS HP0329/05	BOSCH/10037/V1/A1	4.53
5 ORE-S	MCS HP0329/06	BOSCH/10038/V1/A1	4.53
7 ORE-S	MCS HP0329/07	BOSCH/10039/V1/A1	4.54
4 OR180 MCP-S	MCS HP0329/08	BOSCH/10027/V1/A2	4.53
4 OR210 MCP	MCS HP0329/09	BOSCH/10029/V1/A3	4.53
5 OR180 MCP-S	MCS HP0329/10	BOSCH/10014/V1/A3	4.53
5 OR210 MP-S	MCS HP0329/11	BOSCH/10030/V1/A2	4.53
5 OR250 MP-S	MCS HP0329/12	BOSCH/10012/V1/A3	4.53
7 OR180 MCP-S	MCS HP0329/13	BOSCH/10027/V1/A2	4.54
7 OR210 MP-S	MCS HP0329/14	BOSCH/10028/V1/A2	4.54
7 OR250 MP-S	MCS HP0329/15	BOSCH/10031/V1/A2	4.54

Model: Bosch CS5800iAW	Wet system, flow temp	Weather Comp	SAP Index
4 OR-S	55°C	Yes	107566
4 OR-S	45°C	Yes	107567
4 OR-S	35°C	Yes	107568
4 OR-S	58°C	Yes	107569
4 OR-S	55°C	No	107570
4 OR-S	45°C	No	107571
4 OR-S	35°C	No	107572
4 OR-S	58°C	No	107573
5 OR-S	55°C	Yes	107574
5 OR-S	45°C	Yes	107575
5 OR-S	35°C	Yes	107576
5 OR-S	58°C	Yes	107577
5 OR-S	55°C	No	107578
5 OR-S	45°C	No	107579
5 OR-S	35°C	No	107580
5 OR-S	58°C	No	107581
7 OR-S	55°C	Yes	107582
7 OR-S	45°C	Yes	107583
7 OR-S	35°C	Yes	107584
7 OR-S	58°C	Yes	107585
7 OR-S	55°C	No	107586
7 OR-S	45°C	No	107587
7 OR-S	35°C	No	107588
7 OR-S	58°C	No	107589

Compress 7001i AW

Flexible, future-proofed heating



Low maintenance, low carbon and low energy – with everything you'd expect from Bosch quality design. The CS7001i is a high efficiency, semi monobloc heat pump with a raft of smart features suitable for small to medium homes, in renovation or new build projects.



Ultra-quiet
Quiet Mark certified from 47dB(A)



Performance
Home comfort in the coldest temperatures



Simple
Easy-to-use temperature controls

System set-ups

The following information shows some possible system configurations and the necessary minimum clearances.

Heat pump system
Outdoor unit with indoor unit and hot water cylinder



Hybrid system
Outdoor unit with indoor hybrid unit and combi boiler
Compatible with natural gas, LPG and oil boilers.

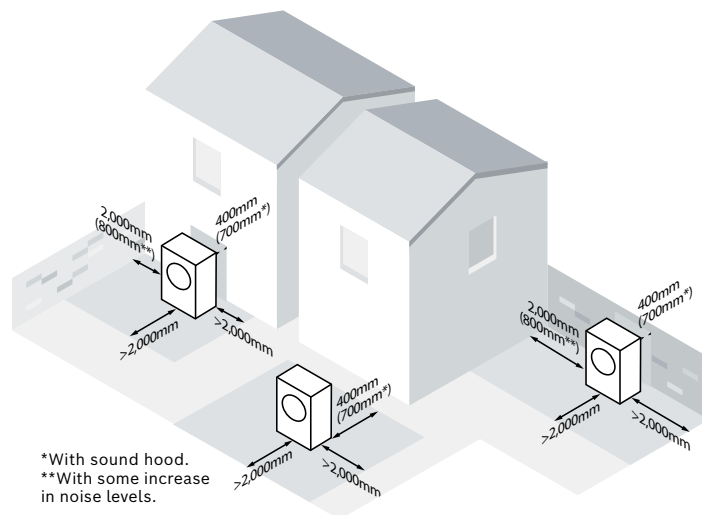


Hybrid system
Outdoor unit with indoor hybrid unit, system boiler and hot water cylinder
Compatible with natural gas and LPG boilers with integral diverter valve.



Clearances

Front: 2,000mm
Rear: 400mm (700mm*)
Left/Right: 2,000mm (800mm**)



*With sound hood.
**With some increase in noise levels.

CS7001i AW key information

Outdoor unit

Model	5kW	7kW	9kW	13kW	17kW
Part number	8 738 210 255	8 738 210 256	8 738 210 257	7 738 602 089	7 738 601 998
Dimensions W	930mm	930mm	930mm	1122mm	1122mm
H	1380mm	1380mm	1380mm	1695mm	1695mm
D	440mm	440mm	440mm	545mm	545mm
Cubic dimensions	0.565m ³	0.565m ³	0.565m ³	1.036m ³	1.036m ³
Weight	106kg	107kg	114kg	182kg	193kg

Wall hung indoor unit

Model	5-9kW	13-17kW	Hybrid AW
Part number	7 738 602 107	7 738 602 108	7 738 948 754
Dimensions W	485mm	485mm	350mm
H	700mm	700mm	757mm
D	386mm	386mm	243mm
Weight	32kg	32kg	18kg

Indoor hybrid unit

Siting information

Indoor unit – clearances

Front: 800mm Left/Right: 50mm Top: 550mm

Hybrid unit – clearances

Front: 800mm Left/Right: 50mm Top: 550mm

Controls



Control with the CR11H

Simple to use intelligent room thermostat to control your heating system. It enables Bosch Energy Management System to provide the best comfort to the homeowner.

- ▶ Wired room control
- ▶ Humidity sensor
- ▶ Clear, segment display
- ▶ Selector / Dial adjustment

Control	Part number	ErP class	% System efficiency
CR11H	7 738 112 972	Class VI*	4%*

*Class VI / 4% if weather compensation mode enabled.

Accessories

Description	Part number
3-way valve (22mm)	8 738 201 412
3-way valve (28mm)	8 738 201 411
CANbus cable 2x2x0.752 15m	8 738 206 183
CANbus cable 2x2x0.752 30m	8 738 206 184
MM100 Mixer (multi-zone controller)	7 738 110 140
Heating cable CSC/TS 2m/30W/230V	7 719 003 296
Heating cable CSC/TS 3m/45W/230V	7 719 003 297
Heating cable CSC/TS 5m/75W/230V	7 719 003 298
Assembly INPA hose	8 733 716 993
CR11H	7 738 112 972
Bracket Kit for MM100	8 738 205 073
Dew point sensor	7 747 204 698
Sound hood 5-9kW (front)	8 733 709 284
Sound hood 5-9kW (back)	8 733 709 037
Sound hood 13-17kW (front)	8 733 709 289
Sound hood 13-17kW (back)	8 733 709 042
Alarm buzzer	8 738 206 696
50L Buffer vessel	7 716 161 061
120L Buffer vessel	7 735 500 777

Accessories continued

Description	Part number
Green Storage WB Range Heat Pump Cylinder 150	7 733 601 189
Green Storage WB Range Heat Pump Cylinder 180	7 733 601 333
Green Storage WB Range Heat Pump Cylinder 210	7 733 601 334
Green Storage WB Range Heat Pump Cylinder 250	7 733 601 335
Green Storage WB Range Heat Pump Cylinder 300	7 733 601 336
Pump Group HS25/6 s BO	7 736 601 142
Pump Group HS25/6 BO	7 736 601 144
Pump Group HSM25/6 BO	7 736 601 148
Pump Group HS25/6 MM100 BO	7 736 601 151
Pump Group HSM25/6 MM100 BO	7 736 601 155
Optional accessories available directly from merchant	
Rubber feet	See merchant
UV and frost protection pipe insulation	See merchant

Database information

The following tables show product directory listings from the relevant databases: MCS, ENA and SAP. For further detail on the database information, please see page 47.

Model: Bosch CS700iAW	MCS number	ENA number	MCS SCOP (35°C)
5 ORE-S	011-1W0122_01	HP_3410	4.41
7 ORE-S	011-1W0123_01	HP_3411	4.77
9 ORE-S	011-1W0124_01	HP_3412	4.57
13 ORE-S	011-1W0125_01	HP_3413	4.6
17 ORE-T	011-1W0126_01	HP_3418	3.35
5 ORE-S	011-1W0123_02	HP_3419	4.73
7 ORE-S	011-1W0124_02	HP_3420	4.61

Database information continued

Model: Bosch CS700iAW	Wet system, flow temp	Weather Comp	SAP Index
5 ORE-S	55°C	Yes	105813
5 ORE-S	45°C	Yes	105814
5 ORE-S	35°C	Yes	105815
5 ORE-S	58°C	Yes	105816
5 ORE-S	55°C	No	105817
5 ORE-S	45°C	No	105818
5 ORE-S	35°C	No	105819
5 ORE-S	58°C	No	105820
7 ORE-S	55°C	Yes	105821
7 ORE-S	45°C	Yes	105822
7 ORE-S	35°C	Yes	105823
7 ORE-S	58°C	Yes	105824
7 ORE-S	55°C	No	105825
7 ORE-S	45°C	No	105826
7 ORE-S	35°C	No	105827
7 ORE-S	58°C	No	105828
9 ORE-S	55°C	Yes	105829
9 ORE-S	45°C	Yes	105830
9 ORE-S	35°C	Yes	105831
9 ORE-S	58°C	Yes	105832
9 ORE-S	55°C	No	105833
9 ORE-S	45°C	No	105834
9 ORE-S	35°C	No	105835
9 ORE-S	58°C	No	105836
13 ORE-S	55°C	Yes	105837
13 ORE-S	45°C	Yes	105838
13 ORE-S	35°C	Yes	105839
13 ORE-S	58°C	Yes	105840
13 ORE-S	55°C	No	105841
13 ORE-S	45°C	No	105842
13 ORE-S	35°C	No	105843
13 ORE-S	58°C	No	105844
17 ORE-T	55°C	Yes	105845
17 ORE-T	45°C	Yes	105846
17 ORE-T	35°C	Yes	105847
17 ORE-T	58°C	Yes	105848
17 ORE-T	55°C	No	105849
17 ORE-T	45°C	No	105850
17 ORE-T	35°C	No	105851
17 ORE-T	58°C	No	105852

Compress 2000 AWF

Clever, compact comfort



8-16kW
outdoor unit

4-6kW
outdoor unit

18-30kW
outdoor unit



The CS2000 is an all-in-one full monobloc heat pump, built to speed up and simplify installation. With flexible outputs, adjustable sound levels, efficient operation, and simple control – give your customers the heating reliability they're used to, with a smaller carbon footprint.



Easy installation
With all-in-one monobloc design



Flexible outputs
4-30kW with flow temp. of up to 65°C



Easy access
Service and maintain with ease

Clearances

Rear air inlets

These must be a minimum of 300mm from any obstruction.

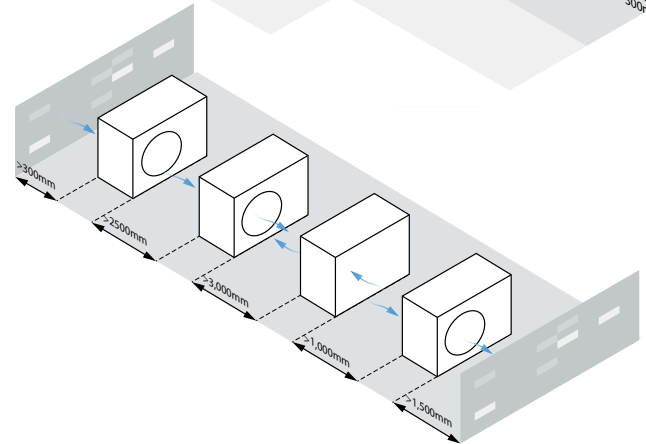
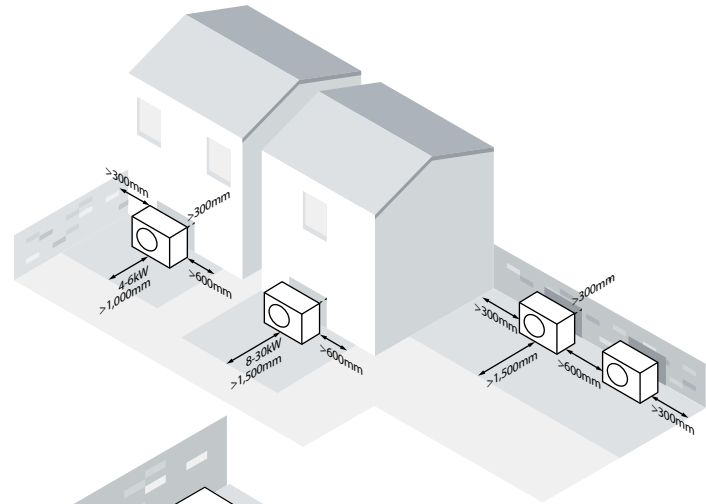
Front air outlets

Minimum clear zone in front for 4kW-6kW output units 1,000mm. For larger output units, its 1,500mm.

Parallel configurations

When multiple units are installed the minimum clearances shown here must apply.

Please refer to installation manual for detailed clearances.



CS2000 AWF key information

Outdoor unit – single phase

Model	4 R-S	6 R-S	8 R-S	10 R-S
Part number 7 738 602 ...	...277	...278	...279	...280
Dimensions W	1295mm	1295mm	1385mm	1385mm
H	717mm	717mm	864mm	864mm
D	400mm	400mm	445mm	445mm
Cubic dimensions	0.37m ³	0.37m ³	0.53m ³	0.53m ³
Weight	86kg	86kg	105kg	105kg

Model	12 R-S	14 R-S	16 R-S
Part number 7 738 602 ...	...281	...282	...283
Dimensions W	1385mm	1385mm	1385mm
H	864mm	864mm	864mm
D	445mm	445mm	445mm
Cubic dimensions	0.53m ³	0.53m ³	0.53m ³
Weight	129kg	129kg	129kg

Outdoor unit – three phase

Model	18 R-T	22 R-T	26 R-T	30 R-T
Part number 7 738 602 ...	...287	...288	...289	...290
Dimensions W	1120mm	1120mm	1120mm	1120mm
H	1557mm	1557mm	1557mm	1557mm
D	400mm	400mm	400mm	400mm
Cubic dimensions	0.69m ³	0.69m ³	0.69m ³	0.69m ³
Weight	177kg	177kg	177kg	177kg

Controls



All under control

Customers can take control of their home heating with the included controller – complete with integrated temperature sensor, zone thermostat function, two-zone system management, outdoor weather sensor, and more.

Accessories

Description	Part number
Hose kit 300mm 1", 4-6kW	7 738 602 359
Hose kit 300mm 1 ¼", 8-30kW	7 738 602 360
DHW temperature sensor, 30m	7 738 602 364
DHW temperature sensor, 10m	7 738 602 363
System freeze protection kit, 4-6kW	7 738 602 366
System freeze protection kit, 8-16kW	7 738 602 367
System freeze protection kit, 18-30kW	7 738 602 368
Floor antivibration kit, 4-16kW	7 738 602 372
Floor antivibration kit, 18-30kW	7 738 602 377
Double zone distribution unit: direct + mixed (with mixing valve)	7 738 602 361
Double zone distribution unit: direct + mixed	7 738 602 362
1-Phase electric back-up heater	7 738 602 369
3-Phase electric back-up heater	7 738 602 370
Drain pan for condensate	7 738 602 371
Wall antivibration kit, 4-16kW	7 738 602 373
Wall antivibration kit, 18-30kW	7 738 602 378
Wall mounting brackets (4-16kW only)	7 738 602 374
3-Way valve, 4-6kW	7 738 602 375
3-Way valve, 8-16kW	7 738 602 524
3-Way valve, 18-30kW	7 738 602 525

Database information

The following tables show product directory listings from the relevant databases: MCS, ENA and SAP. For further detail on the database information, please see page 47.

Model: Bosch CS2000AWF	MCS number	ENA number	MCS SCOP (35°C)
4 R-S	041-K044-01a	HP_3437	4.66
6 R-S	041-K044-01b	HP_3438	4.77
8 R-S	041-K044-02a	HP_3439	5.03
10 R-S	041-K044-02b	HP_3440	5.03
12 R-S	041-K044-03a	HP_3441	4.67
14 R-S	041-K044-03b	HP_3442	4.58
16 R-S	041-K044-03c	HP_3443	4.49
18 R-T	041-K044-04a	HP_3450	4.48
22 R-T	041-K044-04b	HP_3451	4.42
26 R-T	041-K044-04c	HP_3452	4.39
30 R-T	041-K044-04d	HP_3453	3.94

Model: Bosch CS2000AWF	Wet system, flow temp	Weather Comp	SAP Index
4 R-S	55°C	Yes	107241
4 R-S	45°C	Yes	107242
4 R-S	35°C	Yes	107243
4 R-S	58°C	Yes	107244
4 R-S	55°C	No	107245
4 R-S	45°C	No	107246
4 R-S	35°C	No	107247
4 R-S	58°C	No	107248
6 R-S	55°C	Yes	107249
6 R-S	45°C	Yes	107250
6 R-S	35°C	Yes	107251
6 R-S	58°C	Yes	107252
6 R-S	55°C	No	107253
6 R-S	45°C	No	107254
6 R-S	35°C	No	107255
6 R-S	58°C	No	107256
8 R-S	55°C	Yes	107257
8 R-S	45°C	Yes	107258
8 R-S	35°C	Yes	107259
8 R-S	58°C	Yes	107260
8 R-S	55°C	No	107261
8 R-S	45°C	No	107262
8 R-S	35°C	No	107263
8 R-S	58°C	No	107264
10 R-S	55°C	Yes	107265
10 R-S	45°C	Yes	107266
10 R-S	35°C	Yes	107267
10 R-S	58°C	Yes	107268

Model: Bosch CS2000AWF	Wet system, flow temp	Weather Comp	SAP Index
10 R-S	55°C	No	107269
10 R-S	45°C	No	107270
10 R-S	35°C	No	107271
10 R-S	58°C	No	107272
12 R-S	55°C	Yes	107273
12 R-S	45°C	Yes	107274
12 R-S	35°C	Yes	107275
12 R-S	58°C	Yes	107276
12 R-S	55°C	No	107277
12 R-S	45°C	No	107278
12 R-S	35°C	No	107279
12 R-S	58°C	No	107280
14 R-S	55°C	Yes	107281
14 R-S	45°C	Yes	107282
14 R-S	35°C	Yes	107283
14 R-S	58°C	Yes	107284
14 R-S	55°C	No	107285
14 R-S	45°C	No	107286
14 R-S	35°C	No	107287
14 R-S	58°C	No	107288
16 R-S	55°C	Yes	107289
16 R-S	45°C	Yes	107290
16 R-S	35°C	Yes	107291
16 R-S	58°C	Yes	107292
16 R-S	55°C	No	107293
16 R-S	45°C	No	107294
16 R-S	35°C	No	107295
16 R-S	58°C	No	107296

Compress 3400i AWS

Compact and flexible



4kW outdoor unit

6-10kW outdoor unit



Simple, space-saving, and speedy to install – the CS3400i is new build and renovation-friendly, designed to suit most UK homes.



Planning exempt

Compact outdoor unit typically needs no planning permission



Fits almost anywhere

Wall-mount, floor-mount, or install up to 30m away from the indoor unit



High output

Up to 60°C max. flow, with energy efficient R32 refrigerant

System set-ups

The following information shows some possible system configurations and the necessary minimum clearances.

Heat pump system

Outdoor unit with indoor unit and hot water cylinder



Hybrid system

Outdoor unit with indoor hybrid unit and combi boiler

Compatible with natural gas, LPG and oil boilers.



Hybrid system

Outdoor unit with indoor hybrid unit, system boiler and hot water cylinder

Compatible with natural gas and LPG boilers with integral diverter valve.

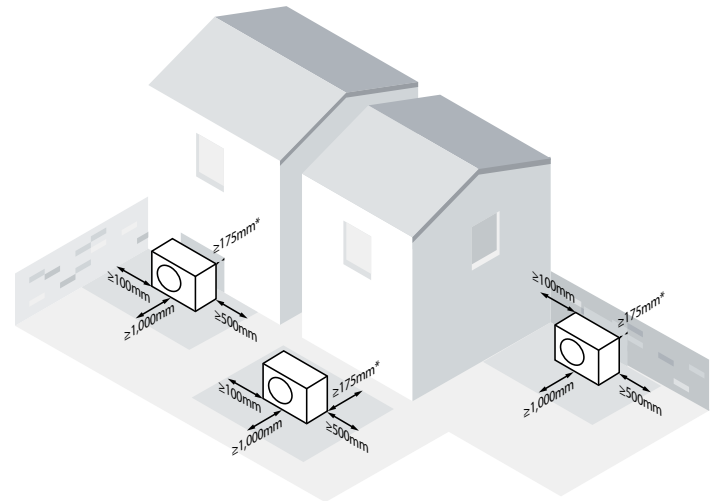


Clearances

Front: 1,000mm Rear: 175mm*

Left/Right: 100mm on fan side to wall

500mm on access side to wall



*+450mm to wall required if using sound hood.

CS3400i AWS key information

Outdoor unit

Model	4 OR-S	6 OR-S	8 OR-S	10 OR-S
Part number 8 750 722 ...	...680	...681	...682	...683
Dimensions	Width	976mm	975mm	975mm
	Height	609mm	864mm	864mm
	Depth	380mm	380mm	380mm
Cubic dimensions	0.225m ³	0.32m ³	0.32m ³	0.32m ³
Weight	50kg	66kg	66kg	66kg
SCOP W35	4.61	4.21	4.34	3.95

Wall hung indoor unit

Model	AWS 10 E	Hybrid AWS	
Part number	7 738 602 259	8 738 808 679	
Dimensions	Width	485mm	350mm
	Height	700mm	757mm
	Depth	398mm	243mm
Weight	41kg	22kg	

Indoor hybrid unit

Siting information

Indoor unit – clearances

Front: 800mm Left/Right: 50mm Top: 550mm

Hybrid unit – clearances

Front: 800mm Left/Right: 100mm Top: 550mm

Controls

Optional controls



Control with the CR11H

7 738 112 972

Simple to use intelligent room thermostat to control your heating system. It enables Bosch Energy Management System to provide the best comfort to the homeowner.

- ▶ Wired room control
- ▶ Humidity sensor
- ▶ Clear, segment display
- ▶ Selector / Dial adjustment



Connect-Key Set K30

8 750 742 716

Control from anywhere with Connect-Key K30*.

Connect the key, download the HomeCom Easy app and connect to the wifi.

*Not compatible with hybrid systems.

Control	Part number	ErP class	% System efficiency
CR11H	7 738 112 972	Class VI**	4%**

**Class VI / 4% if weather compensation mode enabled.

Accessories

Description	Part number
Green Storage WB Range Heat Pump Cylinder 150	7 733 601 189
Green Storage WB Range Heat Pump Cylinder 180	7 733 601 333
Green Storage WB Range Heat Pump Cylinder 210	7 733 601 334
Green Storage WB Range Heat Pump Cylinder 250	7 733 601 335
Green Storage WB Range Heat Pump Cylinder 300	7 733 601 336
50L Buffer vessel	7 716 161 061
120L Buffer vessel	7 735 500 777
CR11H	7 738 112 972
MM100 Mixer	7 738 110 140
Bracket Kit for MM100	8 738 205 073
3 Way Valve 28mm (Moulded)	8 738 213 355
3 Way Valve 22mm (Moulded)	8 738 213 356
Cable CANbus 15m 2x2x0,75	8 738 206 183
Cable CANbus 30m 2x2x0,75	8 738 206 184
Hybrid Filter Set	7 736 604 293
Pipe Refrigerant 1/2_1/4 10m	7 733 701 502
Pipe Refrigerant 1/2_1/4 20m	7 733 701 503
Kit Refrigerant Pipe 1/4_5/8 20m	7 716 842 659
Heating Cable Kit	7 738 602 276
Floor Mounting Kit	7 716 161 065
Wall Mounting	7 747 222 358
Connect-Key Set K30	8 750 742 716
Pump Group HS25/6 s BO	7 736 601 142
Pump Group HS25/6 BO	7 733 601 144
Pump Group HSM25/6 BO	7 733 601 148
Pump Group HS25/6 MM100 BO	7 733 601 151
Pump Group HSM25/6 MM100 BO	7 733 601 155
HKV 2/25/25 Manifold for 2 Pump Groups	8 718 599 377
HKV 2/25/32 Manifold for 3 Pump Groups	8 718 599 379
WHY/HKV 2/25/25 Manifold for 2 Pump Groups with LLH	8 718 599 383
LLH Accessory WHY DN25	8 718 599 384
Standalone LLH Accessory WHY 80/60	8 718 599 385
Wall Hung Installation Set 1	6 790 047 0
Wall Hung Installation Set 2 (Heating Circuit)	6 790 047 1
Wall Hung Installation Set 3	6 790 047 2
Thermocouple TB1	7 719 002 255

Database information

The following tables show product directory listings from the relevant databases: MCS, ENA and SAP. For further detail on the database information, please see page 47.

Model: Bosch CS3400iAWS	MCS number	ENA number	MCS SCOP (35°C)
4 ORE-S	MCS HP0329/01	HP_3430	4.61
6 ORE-S	MCS HP0329/02	HP_3432	4.21
8 ORE-S	MCS HP0329/03	HP_3434	4.34
10 ORE-S	MCS HP0329/04	HP_3436	3.95

Model: Bosch CS3400iAWS	Wet system, flow temp	Weather Comp	SAP Index
4 ORE-S	55°C	Yes	106790
4 ORE-S	45°C	Yes	106791
4 ORE-S	35°C	Yes	106792
4 ORE-S	58°C	Yes	106793
4 ORE-S	55°C	No	106794
4 ORE-S	45°C	No	106795
4 ORE-S	35°C	No	106796
4 ORE-S	58°C	No	106797
6 ORE-S	55°C	Yes	106798
6 ORE-S	45°C	Yes	106799
6 ORE-S	35°C	Yes	106800
6 ORE-S	58°C	Yes	106801
6 ORE-S	55°C	No	106802
6 ORE-S	45°C	No	106803
6 ORE-S	35°C	No	106804
6 ORE-S	58°C	No	106805
8 ORE-S	55°C	Yes	106806
8 ORE-S	45°C	Yes	106807
8 ORE-S	35°C	Yes	106808
8 ORE-S	58°C	Yes	106809
8 ORE-S	55°C	No	106810
8 ORE-S	45°C	No	106811
8 ORE-S	35°C	No	106812
8 ORE-S	58°C	No	106813
10 ORE-S	55°C	Yes	106814
10 ORE-S	45°C	Yes	106815
10 ORE-S	35°C	Yes	106816
10 ORE-S	58°C	Yes	106817
10 ORE-S	55°C	No	106818
10 ORE-S	45°C	No	106819
10 ORE-S	35°C	No	106820
10 ORE-S	58°C	No	106821

Solar thermal

Greenskies Solar Lifestyle



Our super efficient solar panels come with plenty of unique features and benefits to meet your customer needs.

Greenskies Solar Lifestyle

Technical data	Portrait panel
Type	Flat plate
Part number	8 718 530 950
Dimensions (w x h x d)	1175mm x 2017mm x 87mm
Panel orientation	Portrait
On-roof installation	✓
In-roof installation	✓
Flat roof installation	✓
Façade installation	✓
Lift weight	40Kg
Collector area (m ²)	2.37
Collector area aperture (m ²)	2.25
Collector area absorber (m ²)	2.18
Performance zero loss, η_0	72%
Performance a1 heat loss (W/m ² k)	3.52
Performance a2 heat loss (W/m ² k)	0.013

Description	Part number
TDS100-2 solar thermal control	7 735 600 075
Glycol solar fluid 20L	8 718 660 881
AGS10E-2 single-line pump station	7 735 600 066
AGS10-2 twin-line pump station	7 735 600 065
ICD on-roof portrait rail 1 st collector	8 718 531 017
ICD on-roof portrait rail additional collector	8 718 531 018
ICD plain tile roof hook set	8 718 531 023

Heat pump cylinders

Efficient, affordable, convenient



Give your customers the hot water they want, when they want, with up to 300 litre cylinders.

Green Storage WB Range Heat Pump

Model	150	180	210	250	300
Part number 7 733 601 ...	...189	...333	...334	...335	...336
Capacity (L)	150	180	210	250	300
Height (mm)	1120	1308	1496	1746	2059
Diameter (mm)	550	550	550	550	550
Energy rating	C	C	C	C	C
Standing loss (W)	59	67	75	84	93
Weight empty (kg)	45	50	54	62	68
Weight full (kg)	195	230	264	306	368
Heat up time (minutes)	N/A*	N/A*	N/A*	N/A*	N/A*
Heat loss (kW/24hr)	1.41	1.61	1.79	2.02	2.24

* Refer to Heat Pump manufacturer's installation instructions for your model and system configuration.

Air conditioning

Let cool rule



Installer benefits

- ▶ Power output adjusts to match the demand to avoid frequent compressor start-up/shut down and to increase energy efficiency*
- ▶ Operates with the highest SEER efficiency rating over the majority of the operating time
- ▶ The powerful DC inverter compressor and the exterior fan motor are used to adjust the air flow and volume
- ▶ Straightforward to install and maintain
- ▶ Low GWP refrigerant R32

*In cooling mode.

Homeowner benefits

- ▶ Compact design, requiring only an outside wall
- ▶ Inbuilt air filtration is perfect for allergy sufferers
- ▶ Control your air conditioning from your smart phone via Bosch HomeCom Easy app (requires optional accessories)
- ▶ Turbo mode increases fan speed to reach the required temperature more quickly
- ▶ Sleep function controls ambient temperature during the night

*Terms and conditions apply, see website for details.

Single Split Air Conditioning

Description	Part number
CL3000i-Set 26 WE	7 733 701 735
CL3000i-Set 35 WE	7 733 701 736
CL3000i-Set 53 WE	7 733 701 737
CL3000i-Set 70 WE	7 733 701 738

Multi Split Air Conditioning

Description	Part number
CL5000M 41/2 E Outdoor Unit	7 733 701 932
CL5000M 53/2 E Outdoor Unit	7 733 701 933
CL5000M 62/3 E Outdoor Unit	7 733 701 934
CL5000M 79/3 E Outdoor Unit	7 733 701 935
CL5000M 82/4 E Outdoor Unit	7 733 701 936
CL5000M 105/4 E Outdoor Unit	7 733 701 937
CL5000M 125/5 E Outdoor Unit	7 733 701 938
Climate 3000i - CL3000iU W 20 E Indoor Unit	7 733 701 997
Climate 3000i - CL3000iU W 26 E Indoor Unit	7 733 701 564
Climate 3000i - CL3000iU W 35 E Indoor Unit	7 733 701 566
Climate 3000i - CL3000iU W 53 E Indoor Unit	7 733 701 568
Climate 3000i - CL3000iU W 70 E Indoor Unit	7 733 701 570
CL5000iM 4CC 21 E Indoor Unit	7 733 701 939
CL5000iM 4CC 26 E Indoor Unit	7 733 701 940
CL5000iU 4CC 35 E Indoor Unit	7 733 701 878
CL5000iU 4CC 53 E Indoor Unit	7 733 701 879
CL5000iU 4C 70 E Indoor Unit	7 733 701 880
Panel CL5000i-P 4CC Indoor	7 733 701 886
Panel CL5000i-P 4C Indoor Units (7kW only)	7 733 701 887
CL5000iU D 35 E Indoor Unit	7 733 701 888
CL5000iU D 53 E Indoor Unit	7 733 701 889
CL5000iU D 70 E Indoor Unit	7 733 701 890

Large Split Cassette Air Conditioning

Description	Part number
CL5000iL Set 35 4CCE	7 733 701 908
CL5000iL Set 35 4CCE - Outdoor unit	7 733 701 869
CL5000iL Set 35 4CCE - Indoor unit	7 733 701 878
CL5000iL Set 35 4CCE - Cassette panel	7 733 701 886
CL5000iL Set 53 4CCE	7 733 701 909
CL5000iL Set 53 4CCE - Outdoor unit	7 733 701 870
CL5000iL Set 53 4CCE - Indoor unit	7 733 701 879
CL5000iL Set 53 4CCE - Cassette panel	7 733 701 886

Description	Part number
CL5000iL Set 70 4CE	7 733 701 910
CL5000iL Set 70 4CE - Outdoor unit	7 733 701 871
CL5000iL Set 70 4CE - Indoor unit	7 733 701 880
CL5000iL Set 70 4CE - Cassette panel	7 733 701 887
CL5000iL Set 88 4CE	7 733 701 911
CL5000iL Set 88 4CE - Outdoor unit	7 733 701 872
CL5000iL Set 88 4CE - Indoor unit	7 733 701 881
CL5000iL Set 88 4CE - Cassette panel	7 733 701 887
CL5000iL Set 105 4CE	7 733 701 912
CL5000iL Set 105 4CE - Outdoor unit	7 733 701 873
CL5000iL Set 105 4CE - Indoor unit	7 733 701 882
CL5000iL Set 105 4CE - Cassette panel	7 733 701 887
CL5000iL Set 125 4CE	7 733 701 924
CL5000iL Set 125 4CE - Outdoor unit	7 733 701 875
CL5000iL Set 125 4CE - Indoor unit	7 733 701 883
CL5000iL Set 125 4CE - Cassette panel	7 733 701 887
CL5000iL Set 140 4CE-3	7 733 701 925
CL5000iL Set 140 4CE-3 - Outdoor unit	7 733 701 876
CL5000iL Set 140 4CE-3 - Indoor unit	7 733 701 884
CL5000iL Set 140 4CE-3 - Cassette panel	7 733 701 887
CL5000iL Set 160 4CE-3	7 733 701 926
CL5000iL Set 160 4CE-3 - Outdoor unit	7 733 701 877
CL5000iL Set 160 4CE-3 - Indoor unit	7 733 701 885
CL5000iL Set 160 4CE-3 - Cassette panel	7 733 701 887

Large Split Ceiling/Floor Air Conditioning

Description	Part number
CL5000iL-Set 53 CF	7 733 701 920
CL5000iL-Set 53 CF - Outdoor unit	7 733 701 870
CL5000iL-Set 53 CF - Indoor unit	7 733 701 896
CL5000iL-Set 70 CF	7 733 701 921
CL5000iL-Set 70 CF - Outdoor unit	7 733 701 871
CL5000iL-Set 70 CF - Indoor unit	7 733 701 897
CL5000iL-Set 105 CF	7 733 701 922
CL5000iL-Set 105 CF - Outdoor unit	7 733 701 873
CL5000iL-Set 105 CF - Indoor unit	7 733 701 898
CL5000iL-Set 140 CF-3	7 733 701 930
CL5000iL-Set 140 CF-3 - Outdoor unit	7 733 701 876
CL5000iL-Set 140 CF-3 - Indoor unit	7 733 701 899
CL5000iL-Set 160 CF-3	7 733 701 931
CL5000iL-Set 160 CF-3 - Outdoor unit	7 733 701 877
CL5000iL-Set 160 CF-3 - Indoor unit	7 733 701 900

Large Split Ducted Air Conditioning

Description	Part number
CL5000iL Set 35 DE	7 733 701 914
CL5000iL Set 35 DE - Outdoor unit	7 733 701 869
CL5000iL Set 35 DE - Indoor unit	7 733 701 888
CL5000iL Set 53 DE	7 733 701 915
CL5000iL Set 53 DE - Outdoor unit	7 733 701 870
CL5000iL Set 53 DE - Indoor unit	7 733 701 889
CL5000iL Set 70 DE	7 733 701 916
CL5000iL Set 70 DE - Outdoor unit	7 733 701 871
CL5000iL Set 70 DE - Indoor unit	7 733 701 890
CL5000iL Set 88 DE	7 733 701 917
CL5000iL Set 88 DE - Outdoor unit	7 733 701 872
CL5000iL Set 88 DE - Indoor unit	7 733 701 891
CL5000iL Set 105 DE	7 733 701 918
CL5000iL Set 105 DE - Outdoor unit	7 733 701 873
CL5000iL Set 105 DE - Indoor unit	7 733 701 892
CL5000iL Set 125 DE	7 733 701 927
CL5000iL Set 125 DE - Outdoor unit	7 733 701 875
CL5000iL Set 125 DE - Indoor unit	7 733 701 893
CL5000iL Set 140 DE-3	7 733 701 928
CL5000iL Set 140 DE-3 - Outdoor unit	7 733 701 876
CL5000iL Set 140 DE-3 - Indoor unit	7 733 701 894
CL5000iL Set 160 DE-3	7 733 701 929
CL5000iL Set 160 DE-3 - Outdoor unit	7 733 701 877
CL5000iL Set 160 DE-3 - Indoor unit	7 733 701 895

Accessories

Description	Part number
Module IP-Gateway (required for Wi-Fi connection)	7 736 606 771
Gateway connector required for connecting IP-Gateway to 4way compact cassette and ducted indoor units	7 733 701 951

We offer a range of cassette, ducted and ceiling/floor indoor units suitable for a wide range of applications.

To view our entire range of large single split air conditioning units, please visit: worcester-bosch.co.uk/air-conditioning

Commercial heat pumps



CS3000 AWP overview

Our Compress 3000 AWP is a state-of-the-art commercial heat pump, that is perfect for both existing and new build installations in commercial and multi-family residential properties.

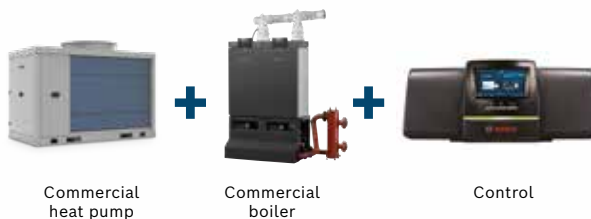


Find out more about the CS3000 AWP

Hybrid options

Easy to install and maintain, the Compress 3000 AWP can be used as standalone or as part of a hybrid system. The heat pump is available in four hydraulic variants making it quick and easy to install with existing heat sources such as gas and oil boilers.

It detects the most economical and environmentally friendly combination based on outside temperatures to give you the most efficient solution.



Heat Interface Units

Design with the future in mind



- ✓ Innovative design
- ✓ User-feedback
- ✓ Accurate control
- ✓ Bosch quality



The Flow 8500 Indirect HIU is our cutting-edge, BESA 2023 regime tested and registered, heat network solution. A system designed to redefine efficiency and sustainability in heating infrastructure, and is the future of energy efficient, community-centred heating.

The Flow 8500 HIU provides domestic hot water and space heating to properties that are serviced by district heating or centralised plant rooms. We provide the complete heat network solution by providing plant room products from commercial and industrial boilers and heat pumps.

Flow 8500 HIU

HIU model	Part number
Flow 8500 40	7 735 600 739
Flow 8500 40 H	7 735 600 740
Flow 8500 50	7 735 600 741
Flow 8500 50 H	7 735 600 742
Flow 8500 60	7 735 600 743
Flow 8500 60 H	7 735 600 744

District Heating Design Service

Whether designing a new build, retrofit or deep renovation heat network, our expert consultants are here to help. Working together, we can help you design and configure the perfect system, with a holistic view looking from the plant room to HIU and everything between.

Speak to your local Bosch Commercial and Industrial contact to arrange a visit to our training academy. Here we can test specific design parameters against our HIUs, while demonstrating its performance for your specific project. We can help you with:

- ▶ Supporting designs in accordance with CIBSE CP1 2020
- ▶ Minimal heat loss and low return temperatures
- ▶ Correct sizing of plant and network
- ▶ Layouts on 3D drawings (including plant room schematics/riser schematics)
- ▶ Design and schematic reviews
- ▶ BIM level 2 covering entire product range
- ▶ System and product configuration
- ▶ A dedicated Bosch consultant assigned to you
- ▶ District Heating CPD available

For more information, or to discuss a project, please contact our team

Call: **0330 123 3004**

Email: **commercial.industrial@bosch.com**

Did you know?

You can also book a FREE design consultation at: **[bosch-industrial.co.uk/district-heating](https://www.bosch-industrial.co.uk/district-heating)**



Guarantees

Air to water heat pumps

Once registered, every heat pump comes with a 2 year guarantee as standard.

How to get the longest guarantee for your customer

Every installer should follow the same steps to start the extended guarantee inspection process and depending on your industry certifications, you'll have access to different guarantee lengths.

1. Register or log in to your loyalty programme portal ([worcester-bosch.co.uk/login](https://www.worcester-bosch.co.uk/login)) and register your heat pump installation. Then you'll receive an email, with a link to the pre-commissioning document.
2. Complete the pre-commissioning document once the appliance is installed.
3. Your next steps will depend on your industry certification. Our extended guarantee inspection checks can take place either on site (engineer attendance cost applies), or remotely free of charge.

Prebook commissions before registration via:

<https://www.worcester-bosch.co.uk/professional/heat-pump-commission>



Expert on-hand support when you need it

Technical helpline (Pre & Post sales)

Tel: 0330 123 3366

Email: technical-advice@uk.bosch.com

Heat pump breakdown (Enquiries & Bookings)

Tel: 0330 123 9339

Email: renewable.worcester@uk.bosch.com

Heat pump commissioning (Enquiries)

Email: renewable.support@uk.bosch.com



Training

Trade-rated training

Born from 35+ years of experience, our renowned training solutions offer bespoke, expert training for our entire product range.

Learn how to specify, install, service and maintain by getting the inside scoop on all our appliances.



Trusted by thousands

Every year 14,000+ installers trust us to keep their skills up to speed.



Training on tap

Choose from training academies, mobile trainers or online courses.



Our complete range

From legacy and new products to future-proofing your business.

Online introduction courses

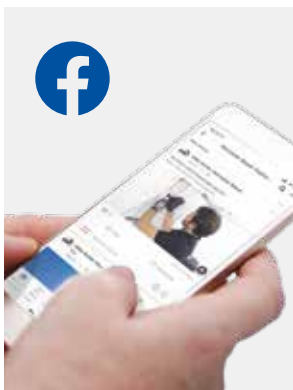
Learn online wherever you are, at a pace that suits you.



Visit our online Training Academy to get your learning journey started.



Join our 'Worcester Bosch Training Academy' Facebook group for online courses and training videos.



Product training courses

Our training courses will help you get hands-on experience to understand all the features and benefits, specification, installation and servicing of our products.

We have training Academies in: Wakefield, Clay Cross, Worcester, West Thurrock and Dublin.



Book on to a course at:
[worcester-bosch.co.uk/ecademy](https://www.worcester-bosch.co.uk/ecademy)

MCS courses

Becoming MCS certified is a mark of excellence as an installer. We're here to support you with our range of MCS courses including:

- ▶ Water regulations certification (WRAS) course
- ▶ Level 3 Award Low temperature heating and hot water systems in dwellings
- ▶ Level 3 Award RQF installation and maintenance of air source heat pump systems

Not MCS certified?

We can support you with unlocking government grants and extended guarantees. If MCS isn't right for your business right now, you can use our third party MCS umbrella scheme – who will handle the design, training and MCS accreditation paperwork to enable your customer to apply for government grants.

Contact our pre-sales team to find out more on: **0330 123 3366**



Install in Your Own Promotion

Considering installing one of our products in your home or showroom? As a member of our loyalty programme, you can claim cashback on a MasterCard when you install select Worcester Bosch products in your home or showroom.



Find out which products qualify, how much you can claim and how to register by scanning the QR code below.



*terms and conditions apply

Product database information

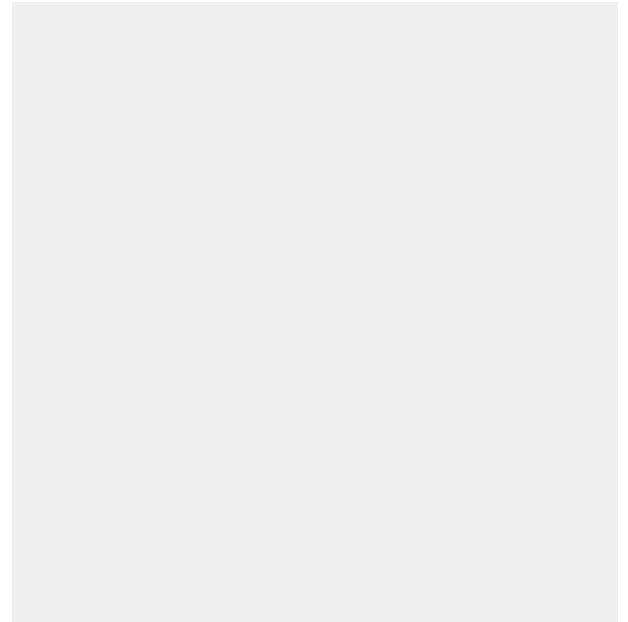
All Bosch products are listed in relevant databases, to ensure compliance and eligibility with incentives. These include: the MCS product directory, the Energy Networks Association (ENA) Low Carbon Technologies Heat Pump Database, and the Product Characteristics Database (PCDB.)

The MCS product directory lists all Bosch MCS certified products, which enables installers and consumers to check the product is listed and to view its performance data. MCS certified products are required for compliance with the Boiler Upgrade Scheme (BUS) and other low carbon incentives.

The Energy Networks Association (ENA) Low Carbon Technologies Heat Pump Database provides technical data to the Distribution Network Operators (DNO) and is required when low carbon products are installed onto the electrical network.

Products are listed in the Product Characteristics Database (PCDB) with technical efficiency data, which is then used within SAP & rdSAP software tools. These tools are used to provide compliance with Approved Document Part L of the building regulations and to produce Energy Performance Certificates (EPC).

Notes



Get in touch

Sales

Tel: 0330 123 9669

Email: sales.bosch@uk.bosch.com

Technical Helpline (Pre & Post Sales)

Tel: 0330 123 3366

Email: technical-advice@uk.bosch.com

Spare Parts

Tel: 0330 123 9779

Email: spares.mailbox@uk.bosch.com

Controls Helpline

Tel: 0330 123 3641








Training

Tel: 0330 123 0166

Email: training@uk.bosch.com
worcester-bosch.co.uk/eacademy

Share

We would love to see your installations.

-  Worcester Bosch Professional
-  @WorcesterBosch
-  @WorcesterBoschProfessional
-  Worcester Bosch
-  WorcesterBoschHeating



This brochure
is recyclable.

Worcester Bosch

Cotswold Way
Warndon
Worcester
WR4 9SW

worcester-bosch.co.uk

Calls to and from Bosch Thermotechnology Ltd may be recorded for training and quality assurance purposes. Worcester Bosch is a brand name of Bosch Thermotechnology Ltd. This brochure is accurate at the date of printing, but may be superseded and should be disregarded if specification and/or appearances are changed in the interest of continued improvement. The statutory rights of the consumer are not affected.

