

## Subtype Bosch CS5800iAW 4/5/7 OR180 MCP-S

Certificate Holder	Bosch Thermotechnik GmbH
Address	Junkersstraße 20 - 24
ZIP	73249
City	Wernau
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Bosch CS5800iAW 4/5/7 OR180 MCP-S
Registration number	011-1W0675
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.95 kg
Certification Date	28.08.2023
Testing basis	HP KEYMARK certification scheme rules V12

## Model CS5800iAW 7 OR180 MCP-S

Model name	CS5800iAW 7 OR180 MCP-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	No

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	89 %
COP	2.04
Heating up time	1:41 h:min
Standby power input	91 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	235 l

## EN 16147 | Colder Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	67 %
COP	1.62
Heating up time	2:13 h:min
Standby power input	120.1 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	235 l

## EN 16147 | Warmer Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	107 %
COP	2.55
Heating up time	2:09 h:min
Standby power input	85.2 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	235 l

## Model CS5800iAW 4 OR180 MCP-S

Model name	CS5800iAW 4 OR180 MCP-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	No

## Outdoor Air/Water

### EN 16147 | Average Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	92 %
COP	2.1
Heating up time	2:00 h:min
Standby power input	89 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	234 l

### EN 16147 | Colder Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	71 %
COP	1.71
Heating up time	2:25 h:min
Standby power input	120.8 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	234 l

### EN 16147 | Warmer Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	108 %
COP	2.55
Heating up time	2:10 h:min
Standby power input	87.5 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	234 l

## Model CS5800iAW 5 OR180 MCP-S

Model name	CS5800iAW 5 OR180 MCP-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	No

## Outdoor Air/Water

### EN 16147 | Average Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	87 %
COP	2
Heating up time	1:39 h:min
Standby power input	87 W
Reference hot water temperature	52.4 °C
Mixed water at 40°C	234 l

### EN 16147 | Colder Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	66 %
COP	1.6
Heating up time	2:13 h:min
Standby power input	121.2 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	234 l

### EN 16147 | Warmer Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	99 %
COP	2.35
Heating up time	2:09 h:min
Standby power input	86.7 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	234 l