

Subtype S-Therm Ontario SMH5-80 100

Certificate Holder	SINCLAIR Global Group s.r.o.
Address	Purkyňova 45
ZIP	61200
City	Brno
Country	CZ
Certification Body	BRE Global Limited
Subtype title	S-Therm Ontario SMH5-80 100
Registration number	041-K037-22
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.6 kg
Certification Date	03.03.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model SMH5-80B*/SMH-80IRBC

Model name	SMH5-80B*/SMH-80IRBC
Application	Heating + DHW + low temp
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:04 h:min
Standby power input	58.5 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

EN 16147 | Colder Climate

Declared load profile	XL
Efficiency η_{DHW}	101 %
COP	2.41
Heating up time	2:30 h:min
Standby power input	72.9 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	325 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:07 h:min
Standby power input	58.6 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

Model SMH5-80B*-3/SMH-80IRBC-3

Model name	SMH5-80B*-3/SMH-80IRBC-3
Application	Heating + DHW + low temp
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:04 h:min
Standby power input	58.5 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

EN 16147 | Colder Climate

Declared load profile	XL
Efficiency η_{DHW}	101 %
COP	2.41
Heating up time	2:30 h:min
Standby power input	72.9 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	325 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:07 h:min
Standby power input	58.6 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

Model SMH5-100B*/SMH-100IRBC2

Model name	SMH5-100B*/SMH-100IRBC2
Application	Heating + DHW + low temp
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:04 h:min
Standby power input	58.5 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

EN 16147 | Colder Climate

Declared load profile	XL
Efficiency η_{DHW}	101 %
COP	2.41
Heating up time	2:30 h:min
Standby power input	72.9 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	325 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:07 h:min
Standby power input	58.6 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

Model SMH5-100B*-3/SMH-100IRBC2-3

Model name	SMH5-100B*-3/SMH-100IRBC2-3
Application	Heating + DHW + low temp
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:04 h:min
Standby power input	58.5 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l

EN 16147 | Colder Climate

Declared load profile	XL
Efficiency η_{DHW}	101 %
COP	2.41
Heating up time	2:30 h:min
Standby power input	72.9 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	325 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	123 %
COP	2.93
Heating up time	2:07 h:min
Standby power input	58.6 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	325 l