CEN heat pump KEYMARK

Registration number 007-DQ0209

Subtype Air/water HP R290 Monobloc outdoor unit 400V/3N 15kW + Air/water/tank 6-15 kW Monobloc indoor unit	
Certificate Holder	ES Heat Pumps AB
Address	Metallgatan 2
ZIP	441 32
City	Alingsås
Country	SE
Certification Body	Kiwa Nederland B.V.
Subtype title	Air/water HP R290 Monobloc outdoor unit 400V/3N 15kW + Air/water/tank 6-15 kW Monobloc indoor unit
Registration number	007-DQ0209
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.5 kg
Certification Date	20.06.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v15)
Testing laboratory	KIWA, NL

This information was generated by the HP KEYMARK database on 25.09.2025

Model ES M15 R290 3PH + ES M250L ST	
Model name	ES M15 R290 3PH + ES M250L ST
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 ηDHW	118 %
COP	2.94
Heating up time	1:57 h:min
Standby power input	51.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	248 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.55 kW	10.17 kW
El input	1.72 kW	3.33 kW
COP	4.97	3.05

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	141 %
Prated	12.89 kW	11.10 kW

This information was generated by the HP KEYMARK database on 25.09.2025

SCOP	4.54	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.40 kW	9.82 kW
COP Tj = -7°C	3.07	2.16
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.90 kW	6.32 kW
COP Tj = +2°C	4.33	3.71
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.14 kW	5.78 kW
COP Tj = +7°C	6.41	4.86
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.69 kW	6.49 kW
COP Tj = 12°C	7.64	6.09
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.40 kW	9.82 kW
COP Tj = Tbiv	3.07	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	8.98 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.23 kW	2.12 kW
Annual energy consumption Qhe	5860 kWh	6355 kWh

This information was generated by the HP KEYMARK database on 25.09.2025

Model ES M15 R290 3PH + ES M250L ST UK	
Model name	ES M15 R290 3PH + ES M250L ST UK
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 ηDHW	118 %
COP	2.94
Heating up time	1:57 h:min
Standby power input	51.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	248 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.55 kW	10.17 kW
El input	1.72 kW	3.33 kW
COP	4.97	3.05

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	141 %
Prated	12.89 kW	11.10 kW

This information was generated by the HP KEYMARK database on 25.09.2025

SCOP	4.54	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.40 kW	9.82 kW
COP Tj = -7°C	3.07	2.16
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.90 kW	6.32 kW
COP Tj = +2°C	4.33	3.71
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.14 kW	5.78 kW
COP Tj = +7°C	6.41	4.86
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.69 kW	6.49 kW
COP Tj = 12°C	7.64	6.09
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.40 kW	9.82 kW
COP Tj = Tbiv	3.07	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	8.98 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.23 kW	2.12 kW
Annual energy consumption Qhe	5860 kWh	6355 kWh

This information was generated by the HP KEYMARK database on 25.09.2025

Model HP 15kW R290 3PH + HP M250L ST	
Model name	HP 15kW R290 3PH + HP M250L ST
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 ηDHW	118 %
COP	2.94
Heating up time	1:57 h:min
Standby power input	51.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	248 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	8.55 kW	10.17 kW
El input	1.72 kW	3.33 kW
COP	4.97	3.05

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	179 %	141 %
Prated	12.89 kW	11.10 kW

This information was generated by the HP KEYMARK database on 25.09.2025

SCOP	4.54	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.40 kW	9.82 kW
COP Tj = -7°C	3.07	2.16
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.90 kW	6.32 kW
COP Tj = +2°C	4.33	3.71
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.14 kW	5.78 kW
COP Tj = +7°C	6.41	4.86
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.69 kW	6.49 kW
COP Tj = 12°C	7.64	6.09
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.40 kW	9.82 kW
COP Tj = Tbiv	3.07	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	8.98 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.23 kW	2.12 kW
Annual energy consumption Qhe	5860 kWh	6355 kWh

This information was generated by the HP KEYMARK database on 25.09.2025

Model HP 15kW R290 3PH + HP M250L ST UK	
Model name	HP 15kW R290 3PH + HP M250L ST UK
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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 ηDHW	118 %
COP	2.94
Heating up time	1:57 h:min
Standby power input	51.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	248 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.55 kW	10.17 kW
El input	1.72 kW	3.33 kW
COP	4.97	3.05

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	141 %
Prated	12.89 kW	11.10 kW

This information was generated by the HP KEYMARK database on 25.09.2025

SCOP	4.54	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.40 kW	9.82 kW
COP Tj = -7°C	3.07	2.16
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.90 kW	6.32 kW
COP Tj = +2°C	4.33	3.71
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.14 kW	5.78 kW
COP Tj = +7°C	6.41	4.86
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.69 kW	6.49 kW
COP Tj = 12°C	7.64	6.09
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.40 kW	9.82 kW
COP Tj = Tbiv	3.07	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	8.98 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.23 kW	2.12 kW
Annual energy consumption Qhe	5860 kWh	6355 kWh

This information was generated by the HP KEYMARK database on 25.09.2025