

Subtype Elga Ace All-in-One 8-10

Certificate Holder	Remeha ND
Address	Marchantstraat 55
ZIP	7332
City	AZ Apeldoorn
Country	NL
Certification Body	Kiwa Nederland B.V.
Subtype title	Elga Ace All-in-One 8-10
Registration number	007-DP0201
Heat Pump Type	Hybrid Air/Water
Refrigerant	R32
Mass of Refrigerant	1.65 kg
Certification Date	17.02.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v13)

**Model Elga Ace All-in-One 8/28c or 35c**

Model name	Elga Ace All-in-One 8/28c or 35c
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

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

**Hybrid Air/Water****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	8.46 kW	6.96 kW
EI input	1.65 kW	2.37 kW
COP	5.14	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	38 dB(A)
Sound power level outdoor	dB(A)	54 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	193 %	129 %
Prated	7.68 kW	6.27 kW
SCOP	4.90	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.79 kW	5.55 kW
COP Tj = -7°C	3.03	2.04
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	4.41 kW	3.60 kW
COP Tj = +2°C	4.84	3.24
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	3.03 kW	2.46 kW

COP Tj = +7°C	6.53	4.35
Cdh Tj = +7 °C	0.990	0.991
Pdh Tj = 12°C	1.71 kW	1.58 kW
COP Tj = 12°C	8.80	5.50
Cdh Tj = +12 °C	0.979	0.981
Pdh Tj = Tbiv	6.79 kW	5.55 kW
COP Tj = Tbiv	3.03	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.63 kW	6.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.12
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	5 W	5 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.05 kW	0.23 kW
Annual energy consumption Qhe	3237 kWh	3931 kWh

**Model Elga Ace All-in-One 10/28c or 35c**

Model name	Elga Ace All-in-One 10/28c or 35c
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

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

**Hybrid Air/Water****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	9.79 kW	9.17 kW
EI input	2.01 kW	3.06 kW
COP	4.88	3.00

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	38 dB(A)
Sound power level outdoor	dB(A)	54 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	191 %	131 %
Prated	8.36 kW	7.12 kW
SCOP	4.84	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.40 kW	6.38 kW
COP Tj = -7°C	2.90	2.04
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	4.49 kW	3.79 kW
COP Tj = +2°C	4.74	3.29
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	3.07 kW	2.67 kW

COP Tj = +7°C	6.72	4.40
Cdh Tj = +7 °C	0.990	0.991
Pdh Tj = 12°C	1.69 kW	1.71 kW
COP Tj = 12°C	8.65	5.86
Cdh Tj = +12 °C	0.979	0.981
Pdh Tj = Tbiv	7.40 kW	6.38 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.36 kW	7.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	2.15
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	5 W	5 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3570 kWh	4447 kWh