

Subtype FUJITSU Airstage Monobloc Comfort WH 10

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	FUJITSU Airstage Monobloc Comfort WH 10
Registration number	012-C700313
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.47 kg
Certification Date	23.05.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model FUJITSU Airstage Monobloc Comfort WH 10 (WPEG100KRF/WSEP100KR3)

Model name	FUJITSU Airstage Monobloc Comfort WH 10 (WPEG100KRF/WSEP100KR3)
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

Outdoor 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	10.00 kW	10.00 kW
El input	2.13 kW	3.40 kW
COP	4.70	2.94

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	195 %	141 %
Prated	10.20 kW	9.90 kW
SCOP	4.94	3.60
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.00 kW	8.80 kW
COP Tj = -7°C	3.06	2.16
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.50 kW	5.30 kW
COP Tj = +2°C	4.92	3.53
Cdh Tj = +2 °C	0.980	0.980

Pdh Tj = +7°C	4.00 kW	3.70 kW
COP Tj = +7°C	6.61	4.87
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	4.50 kW	4.40 kW
COP Tj = 12°C	8.30	6.74
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	9.00 kW	8.80 kW
COP Tj = Tbiv	3.06	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	23 W	23 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.20 kW	1.90 kW
Annual energy consumption Qhe	4269 kWh	5685 kWh

Model FUJITSU Airstage Monobloc Comfort Duo 10 (WPEG100KRF/WGEP100KR3-19)

Model name	FUJITSU Airstage Monobloc Comfort Duo 10 (WPEG100KRF/WGEP100KR3-19)
Application	Heating + DHW + low 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

Outdoor Air/Water
EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	124 %
COP	3.10
Heating up time	1:35 h:min
Standby power input	45.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	238 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	10.00 kW	10.00 kW
El input	2.13 kW	3.40 kW
COP	4.70	2.94

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	141 %
Prated	10.20 kW	9.90 kW

SCOP	4.94	3.60
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.00 kW	8.80 kW
COP Tj = -7°C	3.06	2.16
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.50 kW	5.30 kW
COP Tj = +2°C	4.92	3.53
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	4.00 kW	3.70 kW
COP Tj = +7°C	6.61	4.87
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	4.50 kW	4.40 kW
COP Tj = 12°C	8.30	6.74
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	9.00 kW	8.80 kW
COP Tj = Tbiv	3.06	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	23 W	23 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.20 kW	1.90 kW
Annual energy consumption Qhe	4269 kWh	5685 kWh