

Subtype Monobloc Air-to-Water I	Heat Pump System- R32- U112	
Certificate Holder	Qingdao Haier Air Conditioner Electric Co., Ltd.	
Address	Haier Development Zone Industrial Park, Economic Development Zone, Qingdao City,	
ZIP		
City	Shandong Province	
Country	CN	
Certification Body	BRE Global Limited	
Subtype title	Monobloc Air-to-Water Heat Pump System- R32- U112	
Registration number	041-K073-03	
Heat Pump Type	Outdoor Air/Water	
Refrigerant	R32	
Mass of Refrigerant	2.4 kg	
Certification Date	06.11.2023	
Testing basis	Heat Pump Keymark Scheme Rules Rev 12	



Model AU112FYCRA(HW)		
Model name	AU112FYCRA(HW)	
Application	Heating (medium temp)	
Units	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	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 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	70 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ης	174 %	127 %
Prated	10.93 kW	10.10 kW
SCOP	4.43	3.26
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7 °C	9.67 kW	8.93 kW
$COP Tj = -7^{\circ}C$	3.13	2.09
Cdh Tj = -7 °C	0.900	0.900
$Pdh Tj = +2^{\circ}C$	6.10 kW	5.48 kW
$COP Tj = +2^{\circ}C$	4.26	3.18
Cdh Tj = $+2$ °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	3.66 kW	3.71 kW
$COP Tj = +7^{\circ}C$	5.59	4.20
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.28 kW	4.24 kW
COP Tj = 12°C	8.11	6.44
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	9.67 kW	8.93 kW
COP Tj = Tbiv	3.13	2.09



10.46 kW	7.89 kW
2.64	1.38
0.900	0.900
55 °C	55 °C
5 W	5 W
20 W	20 W
5 W	5 W
0 W	0 W
Electricity	Electricity
0.47 kW	2.21 kW
5101 kWh	6401 kWh
	2.64 0.900 55 °C 5 W 20 W 5 W 0 W Electricity