

## Subtype Inverter Heat Pump-Mono System 60

Certificate Holder	Lailey and Coates International Limited
Address	No.128 ShaGangWest Road
ZIP	528477
City	GuangDong
Country	CN
Certification Body	BRE Global Limited
Subtype title	Inverter Heat Pump-Mono System 60
Registration number	041-K039-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.2 kg
Certification Date	18.11.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

## Model Outdoor Unit: LCM-60R; Indoor Unit: LCM-R

Model name	Outdoor Unit: LCM-60R; Indoor Unit: LCM-R
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	63 dB(A)	64 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	176 %	132 %
Prated	3.99 kW	4.26 kW
SCOP	4.47	3.39
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.53 kW	3.76 kW
COP Tj = -7°C	2.53	1.60
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.63 kW	2.30 kW
COP Tj = +2°C	4.30	3.37
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.87 kW	2.65 kW
COP Tj = +7°C	6.56	5.13
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.96 kW	2.77 kW
COP Tj = 12°C	7.82	6.68
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	3.53 kW	3.76 kW
COP Tj = Tbiv	2.53	1.60

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.46 kW	3.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	57 °C	57 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.53 kW	1.04 kW
Annual energy consumption Qhe	1846 kWh	2596 kWh