

## Subtype VS180-DC

Certificate Holder	Heealarx Industry Limited
Address	No. 4 Pingling Road, Tangjiao Village, Cashan Town, 523393 Dongguan City
ZIP	
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	VS180-DC
Registration number	011-1W0791
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.05 kg
Certification Date	05.06.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model VS180-DC		
Model name	VS180-DC	
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	3x230V 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	15.00 kW	18.00 kW
El input	3.61 kW	6.44 kW
COP	4.16	2.80
EN 12102-1   Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	72 dB(A)	72 dB(A)
EN 14825   Average Climate		
	Low temperature	Medium temperature
ηs	182 %	136 %
Prated	14.00 kW	14.10 kW
SCOP	4.62	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.67 kW	12.47 kW
COP Tj = -7°C	3.51	2.41
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.76 kW	7.92 kW
COP Tj = +2°C	4.48	3.38
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.34 kW	7.77 kW

COP Tj = +7°C	5.89	4.48
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	9.23 kW	9.24 kW
COP Tj = 12°C	8.40	7.07
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.67 kW	12.47 kW
COP Tj = Tbiv	3.51	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.29 kW	13.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.18 kW
Annual energy consumption Qhe	6394 kWh	8385 kWh