

Subtype WPF 7 basic

Certificate Holder	STIEBEL ELTRON GmbH & Co KG
Address	Dr. Stiebel Straße 33
ZIP	37603
City	Holzminden
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	WPF 7 basic
Registration number	011-1W0017
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	2 kg
Certification Date	25.08.2016



Model nameWPF 7 basic, all climatesApplicationHeating (low temp)Climate zone (for heating)Warmer Climate, Colder ClimateCooling mode application (optional)n/aAny additional heat sourcesn/aGeneral data	Model WPF 7 basic, all climates		
UnitsIndoorClimate zone (for heating)Warmer Climate, Colder ClimateCooling mode application (optional)n/aAny additional heat sourcesn/aGeneral data	Model name	WPF 7 basic, all climates	
UnitsIndoorClimate zone (for heating)Warmer Climate, Colder ClimateCooling mode application (optional)n/aAny additional heat sourcesn/aGeneral data	Application		
Cooling mode application (optional) n/a Any additional heat sources n/a General data			
Cooling mode application (optional) n/a Any additional heat sources n/a General data	Climate zone (for heating)	Warmer Climate, Colder Clim	ate
General data Power supply 3x400V 50Hz Off-peak product n/a Brine/Water EN 14511-4 Heating Shutting off the heat transfer medium flow passed Complete power supply failure passed Defrost test failed Starting and operating test passed EN 12102-1 Average Climate Medium temperature Sound power level indoor 55 dB(A) EN 14825 Average Climate Everage New Is 192 % Prated 8.00 kW SCOP Scol 5.01 Toix -0° C Pdi 19 = -7°C 7.70 kW COP Tj = -7°C 7.70 kW COP Tj = -7°C 7.80 kW COP Tj = +2°C 7.80 kW COP Tj = +2°C 7.80 kW COP Tj = +7°C 7.80 kW COP Tj = +7°C 7.80 kW COP Tj = +7°C 7.90 kW COP Tj = +7°C 5.31 Coh Tj = +7°C 7.90 kW COP Tj = +7°C 5.31 Coh Tj = +7°C 5.31 Co	-	n/a	
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Pdh Tj = Tbiv 7.60 kW			



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL	4.49	
< Tdesignh Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL		
< Tdesignh		
WTOL	60 °C	
Poff	0 W	
PTO	78 W	
PSB	3 W	
РСК	0 W	
Supplementary Heater: Type of energy input	Electricity	
Supplementary Heater: PSUP	0.40 kW	
Annual energy consumption Qhe	3153 kWh	
EN 12102-1 Colder Climate		
	Low temperature	Medium temperature
Sound power level indoor	55 dB(A)	
EN 14825 Colder Climate		
	Low temperature	Medium temperature
ηs	200 %	
Prated	10.00 kW	
SCOP	5.20	
Tbiv	-15 °C	
TOL	-22 °C	
$Pdh Tj = -7^{\circ}C$	7.80 kW	
$COP Tj = -7^{\circ}C$	5.13	
Cdh Tj = -7 °C	0.900	
$Pdh Tj = +2^{\circ}C$	7.90 kW	
COP Tj = +2°C	5.42	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	7.90 kW	
COP Tj = +7°C	5.42	
Cdh Tj = +7 °C	0.900	
$Pdh Tj = 12^{\circ}C$	7.90 kW	
$COP Tj = 12^{\circ}C$	5.68	
Cdh Tj = $+12 \degree C$	0.900	
Pdh Tj = Tbiv	7.80 kW	
COP Tj = Tbiv $Pdh Ti = TOL or Pdh Ti = Tdosignh if TOL$	5.00 7.80 kW	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.00	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL		
< Tdesignh		



WTOL	60 °C	
Poff	0 W	
РТО	78 W	
PSB		
	3 W	
PCK	0 W	
Supplementary Heater: Type of energy	Electricity	
input Supplementary Heater: PSUP	2.20 kW	
Annual energy consumption Qhe	4517 kWh	
Pdh Tj = -15° C (if TOL	6.80	
$COP Tj = -15^{\circ}C$ (if TOL	2.53	
Cdh Tj = -15 °C	0.90	
EN 12102-1 Warmer Climate		
	Low temperature	Medium temperature
Sound power level indoor	55 dB(A)	
EN 14825 Warmer Climate		
	Low temperature	Medium temperature
ηs	191 %	
Prated	8.00 kW	
SCOP	4.97	
Tbiv	4.97 2 °C	
	2 °C	
$Pdh Tj = +2^{\circ}C$	7.60 kW	
COP T = +2°C	4.49	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	7.70 kW	
$COP Tj = +7^{\circ}C$	4.85	
Cdh Tj = +7 °C	0.90	
$Pdh Tj = 12^{\circ}C$	7.90 kW	
$COP Tj = 12^{\circ}C$	5.45	
Cdh Tj = +12 °C	0.90	
Pdh Tj = Tbiv	7.60 kW	
COP Tj = Tbiv	4.49	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49	
WTOL	60 °C	
Poff	0 W	
PTO	78 W	
PSB	3 W	
PCK	0 W	
Supplementary Heater: Type of energy	Electricity	
input	-	
Supplementary Heater: PSUP	0.00 kW	



Annual energy consumption Qhe

2052 kWh



Model WPF 7 basic, average climates			
Model name	WPF 7 basic, average climate	25	
Application	Heating (medium temp)		
Units	Indoor		
Climate zone (for heating)	n/a		
Cooling mode application (optional)	n/a		
Any additional heat sources	n/a		
General data			
Power supply	3x400V 50Hz		
Off-peak product	n/a		
Brine/Water			
EN 14511-4 Heating			
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Defrost test	failed		
Starting and operating test	passed		
EN 12102-1 Average Climate			
	Low temperature	Medium temperature	
Sound power level indoor	55 dB(A)	55 dB(A)	
EN 14825 Average Climate			
	Low temperature	Medium temperature	
ης	192 %	122 %	
Prated	8.00 kW	7.00 kW	
SCOP	5.01	3.25	
Tbiv	-10 °C	-10 °C	
TOL	-20 °C	-10 °C	
Pdh Tj = -7°C	7.70 kW	6.80 kW	
$COP Tj = -7^{\circ}C$	4.56	2.66	
Cdh Tj = -7 °C	0.900	0.900	
$Pdh Tj = +2^{\circ}C$	7.80 kW	7.10 kW	
COP Tj = +2°C	4.93	3.19	
Cdh Tj = +2 °C	0.900	0.900	
$Pdh Tj = +7^{\circ}C$	7.80 kW	7.30 kW	
COP Tj = +7°C	5.31	3.60	
Cdh Tj = +7 °C	0.900	0.900	
Pdh Tj = 12° C	7.90 kW	7.50 kW	
COP Tj = 12°C	5.74	4.11	
Cdh Tj = +12 °C	0.900	0.900	
Pdh Tj = Tbiv	7.60 kW	6.80 kW	
COP Tj = Tbiv	4.49	2.53	



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW	6.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49	2.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	0 W	0 W
РТО	78 W	78 W
PSB	3 W	3 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.40 kW	0.00 kW
Annual energy consumption Qhe	3153 kWh	4298 kWh