

Subtype Fulda M9

Certificate Holder	Innova S.r.l.
Address	Via 1° Maggio, 8
ZIP	38089
City	STORO (TN)
Country	IT
Certification Body	Kiwa Nederland B.V.
Subtype title	Fulda M9
Registration number	007-DQ0214
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1 kg
Certification Date	05.12.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v15)
Testing laboratory	KIWA, NL

Model Fulda M9 M

Model name	Fulda M9 M
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Warmer
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	8.80 kW	7.90 kW
El input	kW	kW
COP	5.00	3.15

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	202 %	154 %
Prated	7.50 kW	7.00 kW
SCOP	5.12	3.91
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.60 kW	6.20 kW
COP Tj = -7°C	3.00	2.30
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.05 kW	3.70 kW
COP Tj = +2°C	5.10	3.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.90 kW
COP Tj = +7°C	6.70	5.20
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.10 kW	3.05 kW
COP Tj = 12°C	9.80	7.20
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.50 kW	7.00 kW
COP Tj = Tbiv	2.70	2.00

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °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	0.00 kW
Annual energy consumption Qhe	3024 kWh	3695 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	166 %	136 %
Prated	11.10 kW	10.50 kW
SCOP	4.23	3.47
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	6.70 kW	6.35 kW
COP Tj = -7°C	3.20	2.60
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.10 kW	3.80 kW
COP Tj = +2°C	5.50	4.50
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.95 kW
COP Tj = +7°C	7.10	5.70
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.10 kW	3.10 kW
COP Tj = 12°C	9.80	8.30
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.60 kW	7.20 kW
COP Tj = Tbiv	2.90	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900

WTOL	75 °C	75 °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	4.10 kW	3.80 kW
Annual energy consumption Q _{he}	6476 kWh	7464 kWh
P _{dh} T _j = -15°C (if TOL	8.30	8.00
COP T _j = -15°C (if TOL	2.75	2.15
C _{dh} T _j = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	264 %	190 %
Prated	7.60 kW	7.50 kW
SCOP	6.67	4.84
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	7.60 kW	7.50 kW
COP T _j = +2°C	3.20	2.35
C _{dh} T _j = +2 °C	0.900	0.900
P _{dh} T _j = +7°C	4.85 kW	4.80 kW
COP T _j = +7°C	5.90	4.10
C _{dh} T _j = +7 °C	0.900	0.900
P _{dh} T _j = 12°C	3.10 kW	3.00 kW
COP T _j = 12°C	8.80	6.60
C _{dh} T _j = +12 °C	0.900	0.900
P _{dh} T _j = T _{biv}	7.60 kW	7.50 kW
COP T _j = T _{biv}	3.20	2.35
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	7.60 kW	7.50 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.20	2.35
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.900	0.900
WTOL	75 °C	75 °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	0.00 kW
Annual energy consumption Q _{he}	1521 kWh	2071 kWh

Model Fulda M9 T		
Model name	Fulda M9 T	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	Colder, Warmer	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-2 Heating		
	Low temperature	Medium temperature
Heat output	8.80 kW	7.90 kW
El input	kW	kW
COP	5.00	3.15
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	202 %	153 %
Prated	7.50 kW	7.00 kW
SCOP	5.12	3.91
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.60 kW	6.20 kW
COP Tj = -7°C	3.00	2.30
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.05 kW	3.70 kW
COP Tj = +2°C	5.10	3.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.90 kW
COP Tj = +7°C	6.70	5.20
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.10 kW	3.05 kW
COP Tj = 12°C	9.80	7.20
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.50 kW	7.00 kW
COP Tj = Tbiv	2.70	2.00

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	7.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	19 W	19 W
PTO	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3025 kWh	3696 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	166 %	136 %
Prated	11.10 kW	10.50 kW
SCOP	4.22	3.47
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	6.70 kW	6.35 kW
COP Tj = -7°C	3.20	2.60
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.10 kW	3.80 kW
COP Tj = +2°C	5.50	4.50
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.95 kW
COP Tj = +7°C	7.10	5.70
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.10 kW	3.10 kW
COP Tj = 12°C	9.80	8.30
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.60 kW	7.20 kW
COP Tj = Tbiv	2.90	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900

WTOL	75 °C	75 °C
Poff	19 W	19 W
PTO	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.10 kW	3.80 kW
Annual energy consumption Q _{he}	6477 kWh	7465 kWh
P _{dh} T _j = -15°C (if TOL	8.30	8.00
COP T _j = -15°C (if TOL	2.75	2.15
C _{dh} T _j = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	263 %	190 %
Prated	7.60 kW	7.50 kW
SCOP	6.65	4.82
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	7.60 kW	7.50 kW
COP T _j = +2°C	3.20	2.35
C _{dh} T _j = +2 °C	0.900	0.900
P _{dh} T _j = +7°C	4.85 kW	4.80 kW
COP T _j = +7°C	5.90	4.10
C _{dh} T _j = +7 °C	0.900	0.900
P _{dh} T _j = 12°C	3.10 kW	3.00 kW
COP T _j = 12°C	8.80	6.60
C _{dh} T _j = +12 °C	0.900	0.900
P _{dh} T _j = T _{biv}	7.60 kW	7.50 kW
COP T _j = T _{biv}	3.20	2.35
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	7.60 kW	7.50 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.20	2.35
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.900	0.900
WTOL	75 °C	75 °C
Poff	19 W	19 W
PTO	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1527 kWh	2077 kWh