

Subtype Fulda M15

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 M15
Registration number	007-DQ0216
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.45 kg
Certification Date	05.12.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v15)
Testing laboratory	KIWA, NL

Model Fulda M15 M

Model name	Fulda M15 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	14.70 kW	14.40 kW
El input	kW	kW
COP	4.60	3.10

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	188 %	145 %
Prated	11.50 kW	11.00 kW
SCOP	4.77	3.71
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.10 kW	9.90 kW
COP Tj = -7°C	2.85	2.10
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.15 kW	5.95 kW
COP Tj = +2°C	4.50	3.55
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.95 kW	3.80 kW
COP Tj = +7°C	6.60	5.20
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.05 kW	3.90 kW
COP Tj = 12°C	10.00	7.80
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	9.90 kW
COP Tj = Tbiv	2.55	2.10

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	9.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	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	1.30 kW
Annual energy consumption Qhe	4977 kWh	6131 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	153 %	128 %
Prated	17.00 kW	16.30 kW
SCOP	3.89	3.27
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	10.15 kW	9.80 kW
COP Tj = -7°C	3.05	2.45
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.20 kW	6.05 kW
COP Tj = +2°C	4.90	4.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.00 kW	3.85 kW
COP Tj = +7°C	7.00	5.60
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.05 kW	3.95 kW
COP Tj = 12°C	10.00	8.80
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.60 kW	11.15 kW
COP Tj = Tbiv	2.70	2.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.70 kW	9.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	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	7.30 kW	6.90 kW
Annual energy consumption Q _{he}	10778 kWh	12285 kWh
P _{dh} T _j = -15°C (if TOL	11.60	11.30
COP T _j = -15°C (if TOL	2.65	2.10
C _{dh} T _j = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	267 %	191 %
Prated	11.30 kW	11.20 kW
SCOP	6.75	4.85
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.30 kW	11.20 kW
COP T _j = +2°C	3.25	2.40
C _{dh} T _j = +2 °C	0.900	0.900
P _{dh} T _j = +7°C	7.30 kW	7.20 kW
COP T _j = +7°C	5.65	3.95
C _{dh} T _j = +7 °C	0.900	0.900
P _{dh} T _j = 12°C	4.00 kW	3.80 kW
COP T _j = 12°C	9.20	6.70
C _{dh} T _j = +12 °C	0.900	0.900
P _{dh} T _j = T _{biv}	11.30 kW	11.20 kW
COP T _j = T _{biv}	3.25	2.40
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	11.30 kW	11.20 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.25	2.40
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}	2236 kWh	3088 kWh

Model Fulda M15 T

Model name	Fulda M15 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	14.70 kW	14.40 kW
El input	kW	kW
COP	4.60	3.10

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	188 %	145 %
Prated	11.50 kW	11.00 kW
SCOP	4.77	3.71
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.10 kW	9.90 kW
COP Tj = -7°C	2.85	2.10
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.15 kW	5.95 kW
COP Tj = +2°C	4.50	3.55
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.95 kW	3.80 kW
COP Tj = +7°C	6.60	5.20
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.05 kW	3.90 kW
COP Tj = 12°C	10.00	7.80
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.00 kW
COP Tj = Tbiv	2.55	1.90

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.90
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	4978 kWh	6124 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	153 %	128 %
Prated	17.00 kW	16.30 kW
SCOP	3.89	3.27
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	10.15 kW	9.80 kW
COP Tj = -7°C	3.05	2.45
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.20 kW	6.05 kW
COP Tj = +2°C	4.90	4.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.00 kW	3.85 kW
COP Tj = +7°C	7.00	5.60
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.05 kW	3.95 kW
COP Tj = 12°C	10.00	8.80
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.60 kW	11.15 kW
COP Tj = Tbiv	2.70	2.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.70 kW	9.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	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	7.30 kW	6.90 kW
Annual energy consumption Q _{he}	10779 kWh	12286 kWh
P _{dh} T _j = -15°C (if TOL	11.60	11.30
COP T _j = -15°C (if TOL	2.65	2.10
C _{dh} T _j = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	266 %	190 %
Prated	11.30 kW	11.20 kW
SCOP	6.73	4.84
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.30 kW	11.20 kW
COP T _j = +2°C	3.25	2.40
C _{dh} T _j = +2 °C	0.900	0.900
P _{dh} T _j = +7°C	7.30 kW	7.20 kW
COP T _j = +7°C	5.65	3.95
C _{dh} T _j = +7 °C	0.900	0.900
P _{dh} T _j = 12°C	4.00 kW	3.80 kW
COP T _j = 12°C	9.20	6.70
C _{dh} T _j = +12 °C	0.900	0.900
P _{dh} T _j = T _{biv}	11.30 kW	11.20 kW
COP T _j = T _{biv}	3.25	2.40
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	11.30 kW	11.20 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.25	2.40
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}	2242 kWh	3094 kWh