

ECOMATE™
H50N-FL

TECHNICAL DATA



Fuel Cell Power ¹⁾ (Rated Air Flow)	45 ~90 kW (3000 sLPM)
Total Weight @ dry	4.8kg
Volume (Middle Part, w/o ports)	11L (178 x 223 x 280mm)
Materials of Potting	Heat resistant PU
Materials of Housing	PA6+GF
Material Impurity	Comply with the automotive requirement
Connecting method	Hose Clamping (Φ : 2.0 in)
Internal Air Leakage @ 80 kPa_g	< 9 L / min
External Air Leakage @ 80 kPa_g	< 1 kPa for 2 min
Operating Temperature	-30 ~ 90 °C
Maximum Operating Pressure ²⁾	300 kPa_a
Approach Dew point Temp. ³⁾ @ rated condition	16.6 °C
Dry side pressure drop @ rated condition	6.0 kPa
Wet side pressure drop @ rated condition	6.0 kPa
Lifetime	Dependent on operation conditions

1) Usage at higher air flow rate than rated value should be consulted with us.

2) Pressure where the humidifier can be used without damage or burst.

3) The values do not represent guaranteed specifications and do show averages which are subject to usual production tolerances.

The specifications and values herein vary significantly depending on the customer operation conditions and does not constitute any warranty, guarantee or representation by FUMATECH BWT GmbH regarding the products.