FUEL CELL AIR BLOWER

WS145120.Explosion-proof

Voltage:48VDC	Size:145*120MM	Weight:2.2kg	Fuel Cell's Power:10~20kw
Air pressure(kPa)	Air flow(m3/h)	Speed(r/min)	Power(w)
0	92	17,500	312.0
18.0(Working point)	63	16,850	840.0
40.0	0	15,200	1392.0

WS9070.Explosion-proof

Voltage:24VDC	Size:90*70MM	Weight:800g	Fuel Cell's Power:0.5~1kw
Air pressure(kPa)	Air flow(L/min)	Speed(r/min)	Power(w)
0	120	28,500	40.8
7.0(Working point)	75	27,500	52.0
15.0	0	26,500	72.0

WS145110

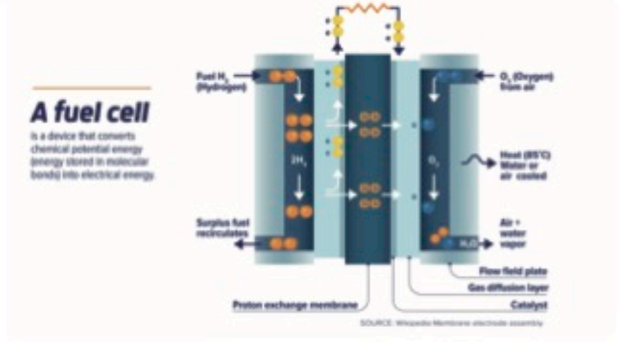
Voltage:48VDC	Size:145*110MM	Weight:1.8kg	Fuel Cell's Power:5~10kw
Air pressure(kPa)	Air flow(m3/h)	Speed(r/min)	Power(w)
0	33	15,000	144.0
16.0(Working point)	22	14,800	312.0
32.0	0	13,000	422.4

WS8045

Voltage:24VDC	Size:80*45MM	Weight:270g	Fuel Cell's Power:3~5kw
Air pressure(kPa)	Air flow(m3/h)	Speed(r/min)	Power(w)
0	48	39,500	184.8
12.0(Working point)	24	45,000	168.0
15.0	0	50,000	84.0

BLOWER FOR FUEL CELL SYSTEM

Fuel cell is a device that converts the chemical energy of hydrogen and oxygen into electrical energy directly through electrode reaction, and its chemical reaction product is mainly water, realizing true zero pollution. Hydrogen circulation blower is an important component of cathode air supply system for automotive fuel cells, which can improve the power density and efficiency of fuel cells by pressurizing the incoming air into the stack, and its performance directly affects the efficiency, compactness and water balance characteristics of the fuel cell system. Therefore, the design of a blower with superior performance and well matched with the fuel cell system is crucial for the development of fuel cells.



WS145140

Voltage:48VDC	Size:259*214MM	Weight:6.5kg	Fuel Cell's Power:30~40kw
Air pressure(kPa)	Air flow(m3/h)	Speed(r/min)	Power(w)
0	96	18,100	691.2
37.0(Working point)	64	16,900	1598.4
86.0	0	14,700	2788.8