

DMC 8.0

Door-mounted chiller 8 kW  
for Battery Energy Storage Systems

- Inverter driven compressor for energy efficiency
- Integrated heater for optimal battery operation at low ambient temperatures
- Variable fan speed for silent operation
- Integration with Battery Management System via Modbus or EtherNet
- Installation flexibility: side mounted or partially recessed mounting; hydraulic and electrical connections from above
- CE & UL listed (according to UL 60335, ideal for long-term planning even after 2024)



PRODUCT	DMC 8.0	
		Unit

PERFORMANCE

Cooling capacity at A35 / W18	8000	W
Heating capacity	2000	W
Refrigerant type	R410a	-
Refrigerant quantity	1400	g
Hydraulic Temperature Setpoint (factory set)	18 (64)	°C (°F)
Hydraulic Temperature Setpoint Range	15 ... 30 (59 ... 86)	°C (°F)
Ambient air temperature	-25 ... 55 (-13 ... 131)	°C (°F)
Air volume flow	1800	m³/h
Sound Pressure 1m	<66	dB(A)
Rated Voltage	230, 1~	V AC

ELECTRICAL

Rated frequency	50/60	Hz
Power consumption A35 / W18 @50 Hz	3700	W
Nominal current @ 50 Hz	16.9	A

HYDRAULIC

Flow rate (pump)	60	L/min
Available pressure drop at flow rate	1	bar
Capacity of the tank	10	L
Connection Size	fittings for ¾" Tubes (others available on request)	
Medium	water/glycol – 50/50	

## DIMENSIONS

Height (with brackets)	1152 (1202)	mm
Width (with brackets)	830 (880)	mm
Depth	320	mm
Internal depth - partially recessed mounting*	max. 268	mm
Internal depth - side mounting*	max. 66	mm
Installation orientation	vertical	-
Net weight	121	kg
Gross weight	136	kg
Colour	7035	RAL

\*depending on the thickness of the wall of the container

## OTHER

Anti-corrosion protection	Galvanized, electrostatically powder-coated (200°C) C3 (EN ISO 12944)
Housing Protection type (according to EN 60529)	When used as intended: IP 55 internal – against the container in both mounting methods

For additional models, options and voltages visit [www.pfannenberg.com](http://www.pfannenberg.com) or contact us directly.



## PERFORMANCE CURVES AT NOMINAL CONDITIONS

Cooling capacity [KW]

