DMC 8.0
DOOR MOUNTED CHILLER



Liquid Cooling for Compact BESS Applications

Space Saving Design
Designed to be side mounted or partially recessed mounting with hydraulic & electrical connections on the top side.

Heater for Optimal Battery Operation
Integrated heater for optimal battery operation at low ambient temperatures to increase battery life even in cold climates by maintaining the required temperature in stand-by mode.

Energy Efficient
Inverter driven compressor and fan for energy efficiency designed for charging and discharging phase battery cycles.

Integrated Communication
Error/warning and status communication for integration with your Battery Management System via Modbus RTU/ Modbus TCP.

Temperature Precision
High temperature precision, automatically adjusting cooling capacity to match demand. This results in exceptional thermal stability — within ±1 K, even at loads as low as 30%.

Made for All Climates
Designed for harsh and extreme environmental conditions with wide operating temperature range between -4 °F and +133 °F.

DMC 8.0 CHILLERS (27,300 BTU/hr)														
Model Number	Part Number RAL 7035 (Light Grey)	Rated Voltage AC 50/60 (V±10%)	Cooling Capactiy W64 / A90 (with pump) 60 Hz (BTU/Hr)	(kW)	(Ton)	Flow Rate of Pump (GPM)	(LPM)	Pump Pressure (psi)	(bar)	Tank Volume (gal)	(l)	Connections (medium) IG (BSP)	Dry Weight (lbs)	(kgs)
DMC 8.0 Recessed/Flush Mount	4218080XXXX	230 1~	27,300	8	2.3	15.9	60	14.5	1	2.6	10	3/4"	375	170

Additional Data	DMC 8.0	
Ambient Temp Range	Min: -20°C / -4°F . . . Max: 55°C / 133°F	°C / °F
Medium	Water / Glycol – 50% / 50%	%
Medium Temperature (Outlet)	+59°F .. +86°F (+15°C … +30°F)	°C / °F
Target Value Tolerance (°k)	±2 K	K
Refrigerant Type	R410A	A
Air Volume Flow (m^3/h)	1700	
Max Power Consumption (kW)	4.5	kW
Max Current Consumption (A)	17.5	A
Max Noise Level @ 60 Hz (EN ISO 3741)	65 dB	dB
Application Environment	Outdoor, IP 54 when fully mounted	
Dimensions (X x Y x Z) In.|mm (With Damper Feet)	34.65 x 47.32 x 12.60 | 880 x 1202 x 320	In. | mm
Design	RAL 7035	

For additional technical data, drawings and templates visit www.pfannenbergusa.com
Subject to technical amendments and misprints.

Door-Mounted Design



UL PENDING



Pfannenberg USA
1-886-689-0085
sale@pfannenbergusa.com
www.pfannenbergusa.com

ver.BU1_022_8.19.25

PRODUCT VIDEO AND INFORMATION
https://hubs.ly/Q03CxP0W0

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY