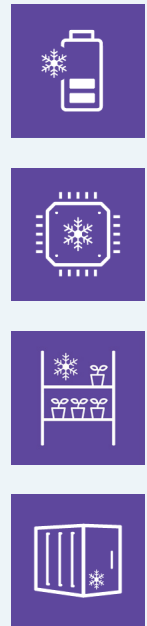


# eBTMS

ELECTRIC BATTERY THERMAL MANAGEMENT SYSTEMS  
DC CHILLER PLATFORMS B, C, D



## AUTHORIZED REFRIGERANTS

*Available*



*Planned*



## FEATURES & BENEFITS

### HIGH EFFICIENCY

- eBTMS systems uses Masterflux Sierra and Alpine high performance compressors

### PLUG & PLAY SOLUTION

- Platforms B, C and D are complete solutions and all-in-one equipment ready to use

### WIDE VOLTAGE RANGE

- eBTMS systems are available in different voltage ranges, from 12 up to 850 Vdc

### EASY AND QUICK TO INSTALL

- Smart design with easy access to connections for installation and service

# COOLING PERFORMANCE

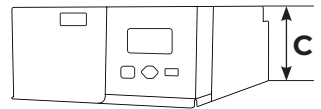
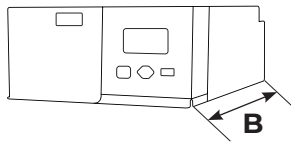
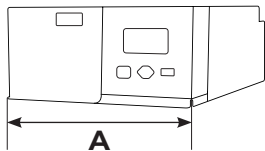
## HBP - HIGH BACK PRESSURE

PLATFORM	NOMINAL COOLING CAPACITY (W)	VOLTAGE RANGE (VDC)	HEATING MODE	COMMUNICATION	PUMP CONSTANT FLOW RATE
B	2000 (@ 20 °C)	12, 24, 48	-	CAN	5 ~10 LPM
C	6000 (@ 20 °C)	400, 650, 850	✓	CAN	15 ~ 24 LPM
D	9000 (@ 20 °C)	400, 650, 850	✓	CAN	24 ~30 LPM

HBP: performance rated at 7,2°C evap., 54,4°C cond., 11,1°C superheat, 8,3°C subcooling, 35°C ambient.

# DIMENSIONS

PLATFORM	A (mm)	B (mm)	C (mm)
B	445	353	280
C	863	546	313
D	1000	546	313



# FUNCTIONS

## CONTROLS

The eBTMS is equipped with a control unit capable of managing pressure transducers and flow and temperature sensors, performing system safety protections and interfacing with the compressor controller. The compressor controller takes care of compressor start/stop, running speed and protections (over voltage, over current, power limitation, over heat), keeping the compressor in safe operating conditions.

## ELECTRICAL

High and Low voltage connectors and CAN/Diagnosis ports with easy access on the control unit panel.

## COOLANT

Quick release In/Out correctors.

## MONITORING

Digital display for monitoring of temperatures, power, current consumption, compressor speed and fault indications. Key switches for parameters input, like coolant temperature set points.

## INSTALLATION

Designed for chassis mounted installation with direct access to electrical and coolant connections.

Side handles for easy moving and handling.

