

# MSU

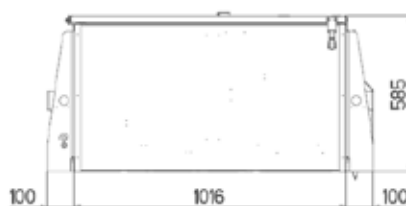
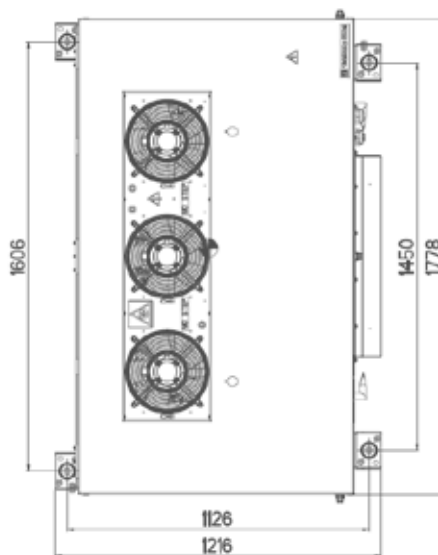
## Middle size passenger HVAC unit

- Developed for streetcars or trams with short car modules
- Sufficient capacity for each module  
(avoid the need for bellows & flexible ducts through articulations)
- Compact design (safe space on the roof)
- Customized to fit the application
- Light weight design (aluminium frame)
- Easy maintenance



# Technical data

MSU	
Cooling capacity [kW]	19
High ambient performance [°C]	45 °C in full cooling 50 °C in reduced cooling
Heating capacity [kW]	10
Weight [kg]	320
Evap. Fresh Air flow [m <sup>3</sup> /h]	500
Evap. Air flow total [m <sup>3</sup> /h]	2200
Controller	CanRail
Communication to train system	CAN
Service communication	RS232
Power supply	3 x 400 V AC, 50 Hz 3 x 460 V AC, 60 Hz
Control voltage	24 V DC
Compressor type	Scroll
Refrigeration system	Two independent hermetic circuits
Refrigerant	R407C
Housing material	Aluminium



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TECHNOLOGIES

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