

HPC

Passenger HVAC unit to lower energy costs

- Reversible heat pump
- High reliability and easy maintenance
- Developed for tramways and other low floor vehicles
- No compromise on cooling capacity up to extreme conditions
- Energy efficient heating down to low temperatures
- Low noise performance



Technical data

HPC	
Cooling capacity [kW]	20 - 35
High ambient performance [°C]	Up to 46 °C in full cooling To 56 °C in reduced cooling
Heating capacity [kW]	0 - 24
Low ambient performance [°C]	Heat pump down to -10°C in full heating Heat pump down to -15 °C in reduced heating Electric heater down to -40 °C
Weight [kg]	455 - 495
Evap. fresh air flow [m ³ /h]	0 - 1200
Evap. air flow total [m ³ /h]	2500 - 4000
Communication to train system	CAN Open, IPT MVB - option
Service communication	Ethernet, RS232
Power supply	3 x 360 V AC, 45 Hz to 3 x 480 V AC, 60 Hz
Control voltage	24 V DC – standard 37.5 V DC; 48, 72, 110 V DC - option
Refrigerant	R407C
Refrigeration system	One hermetic circuit with tandem scroll compressors
Housing material	Aluminium

