

Air conditioned technological cabinet KSBM 4/08



Illustrative photo

General features

Double-walled cabinet with internal isolation includes in standard version:

- 2 doors equipped with a 3-point lock
- Max 13U high 19" frame for technology emplacement
- Air-conditioning system (air-conditioning modules with integrated heating are available in two power variations with possibility to insert into the door of cabinet) or ventilating system (consisting of two ventilating modules with possibility to insert into the door of cabinet)
- 3 shelves for battery location
- Illumination, 230V plug with current protection and door contacts
- Roof with outdoor use and lifting eyes for easy manipulation
- Holes in the pedestal for attaching the cabinet to a supporting frame
- 2U high independent heating module HM 1000 (for optional heating ventilating system)

Applications

- Emplacement of telecommunication, safety or control technologies in an outdoor environment.

Description

The KSBM 4/08 air-conditioned technological cabinet is designed for emplacement of telecommunication, security or control technologies in an outdoor environment. It offers a possibility to use ventilation (depending on environment conditions and installed technology).

KSBM 4/08 can be equipped with power supply 48V DC with power 6000W, output with or without diode separation, LVD contactor, 4 battery sets with total capacity 640 Ah. It is possible to supply optional accessories based on client's requirements.

Technical data

KSBM 4/08	KSBM 4/08
Mechanics	
Dimensions (hwd)	1610 x 994 x 1348 mm (including the pedestal)
Pedestal height	200 mm
Weight	384 kg + 56 kg / 1 air-conditioning module
Color	RAL 7035 (epoxy powder-coated)
Thermodynamic properties	
Thermal isolation	30 mm wide cross-linked polyethylene foam
	- thermal resistance ranged between -65°C ÷ +95°C
	- thermal conductivity $\lambda = 0,039 \text{ Wm}^{-1}\text{K}^{-1}$
	- 25 dB noise
	- B3 category flammability (according to DIN 4102)
Doors	
Sealing arrangement	UV resistant EPDM sealing
Safety	3 – point lock controlled by a lockable turning handle
	- door stay in an open position
Environment	
Ambient temperature	- 25°C to + 50°C
Protection	IP 54
Lifetime	15 years
Options	
AC, DC internal electrical connectors according to customer's needs	
Shelves for battery placement	
Either KM800/115 or KM800/178 air-conditioning modules or KM800/680S or KM800/680V ventilation modules	
RMKM01 or RMKM02 electronic block control unit	
Cabinet indoor lighting power supplied with 48V DC or 230V AC	
Internal cabinet temperature scanning	
Door contacts	
Other accessories according to customer's needs	

Technical data

Air-conditioning module	KM800/115	KM800/178
Performance parameters		
Air-flow rate	250 m ³ /h	400 m ³ /h
Cooling *	1150 W	1780 W
Disponible hydraulic gradient	150 Pa	90 Pa
Inflow air temperature	12,1°C	13,5°C
Fan power consumption	36 W	36 W
Fan input current	0,36 A	0,36 A
Voltage	230V AC (220 ÷ 240V AC)	230V AC (220 ÷ 240V AC)
Frequency	50 Hz	50 Hz
Acoustic noise level	55 dB(A)	54 dB(A)
Heating	1000 W	1000 W
Refrigerant	R134a	R134a
Heating		
Compressor power consumption*	602 W	865 W
Cooling factor *	1,91	2,07
Compressor input current	3,33 A	4,98 A
Voltage	230V AC (220 ÷ 240V AC)	230V AC (220 ÷ 240V AC)
Frequency	50 Hz	50 Hz
Air-flow rate	550 m ³ /h	750 m ³ /h
Fan power consumption	36 W	85 W
Fan input current	0,36 A	0,65 A
Voltage	230V AC (220 to 240V AC)	230V AC (220 to 240V AC)
Frequency	50 Hz	50 Hz
Acoustic noise level	56 dB(A)	57 dB(A)
Mechanics parameters		
Dimensions (hwd)	1100 x 593 x 189 mm	1100 x 593 x 189 mm
Weight	52 kg	56 kg
Protection	IP 21	IP 21

* Operating conditions:

- Air temperature entering the vaporizer 27°C / 40%
- Air temperature entering the condensator 40°C

Technical data

Ventilation module (optional)	KM800/680S	KM800/680V
Performance parameters		
Air-flow rate	1200 m ³ /h	1200 m ³ /h
Heating power	inbuilt, forced	inbuilt, forced
Operating temperature difference	2 x 135 W	2 x 135 W
Fan power consumption	2 x 0,6 A	2 x 0,6 A
Voltage	230V AC (220 to 240V AC)	230V AC (220 to 240V AC)
Frequency	50 Hz	50 Hz
Acoustic noise level	69 dB(A)	69 dB(A)
Filtration class	EU4	-
Mechanics parameters		
Dimensions (hwd)	1100 x 593 x 189 mm	1100 x 593 x 189 mm
Weight	30 kg	26 kg
Protection	IP 21	IP 21

* Operating conditions:

- Operating temperature and the sucked-in air temperature: max. 45°C

- The difference between input and output: $\Delta t = 17K$

Technical data HM 1000/2U:

Heating module (optional)	HM 1000/2U
Performance parameters	
Air-flow rate	80 m ³ /h
Heating power	1000 W
Operating temperature difference	37K
Fan power consumption	2 x 12 W
Fan input current	2 x 0,05 A
Voltage	230 Vac
Frequency	50 Hz
Mechanics parameters	
Dimensions (hwd)	90 x 443 (490) x 372 mm
Weight	6,6 kg
Protection	IP 21

Company A2B, s.r.o. reserves the right of changes mentioned data without prior announcement.