

## Product Information

BKT AC units series EGO RAL7035—designed for indoor operation

No. Card PI\_110A90xx\_01.16



## Application

BKT EGO series AC units are intended for cooling racks in rooms with protection rating min. IP54 to protect electric and electronic equipment installed the cabinet/ rack against heat generated by them.

## Standards

- The restriction of the use of hazardous substances in electrical and electronic equipment (RoHS) the European Directive 2002/95/EC
- Manufacturer's declaration and CE marking in compliance with standards 2006/EEC/EB 60 335-1 (low voltage) and 2004/108/EEC/EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3 (electromagnetic compatibility)

## Product characteristics

- Side installation to a wall or a cabinet door
- Electronic temperature controllre with a display
- AC unit operating range from +20°C to +50°C
- The temperature setting range inside the cabinet from +20°C to +46°C
- Factor setting of temperature inside the cabinet +35°C

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## Features

EGO series BKT AC units intended for indoor cooling cabinets/racks and are consist of four main parts such as: a compressor, an evaporator, a condenser and an expansion valve. A cooling circuit is hermetically closed. Refrigerant R134a is circulating there that is free of chlorine compounds and does not damage the ozone layer. The device is divided into two separated zones: a zone of the contact with the outdoor air and a zone associated with the air inside the cabinet/rack. The compressor compresses the refrigerant to high pressure and temperature. Then the cooling medium flows through a heat exchanger called the condenser, where it is cooled by the outside air and becomes a liquid. The liquid refrigerant flows through a capillary tube where it is decompressed and then goes through a heat exchanger called the evaporator where heat is collected from the air inside the cabinet/rack. A cooling process occurs inside the cabinet/rack.

## Optional accessories

- Indoor industrial cabinets/racks IP54

## Performance/Variants

| Item | Index    | Name  | Dimensions<br>(mm) (w/h/d) | Power (W) |
|------|----------|---|----------------------------|-----------|
| 1    | 110A9000 | BKT AC unit series EGO04 (230V, 50-60Hz, 380W) —side  | 285/460/180                | 380       |
| 2    | 110A9001 | BKT AC unit series EGO06 (230V, 50-60Hz, 640W) —side  | 316/606/212                | 640       |
| 3    | 110A9003 | BKT AC unit series EGO08 (230V, 50-60Hz, 820W) —side  | 348/783/216                | 820       |
| 4    | 110A9005 | BKT AC unit series EGO10 (230V, 50-60Hz, 1000W) —side | 348/783/216                | 1000      |
| 5    | 110A9007 | BKT AC unit series EGO12 (230V, 50-60Hz, 1250W) —side | 405/999/237                | 1250      |
| 6    | 110A9009 | BKT AC unit series EGO16 (230V, 50-60Hz, 1600W) —side | 405/999/237                | 1600      |
| 7    | 110A9011 | BKT AC unit series EGO20 (230V, 50-60Hz, 2000W) —side | 405/999/237                | 2000      |
| 8    | 110A9013 | BKT AC unit series EGO30 (230V, 50-60Hz, 2900W) —side | 500/1270/336               | 2900      |
| 9    | 110A9015 | BKT AC unit series EGO40 (230V, 50-60Hz, 3850W) —side | 500/1270/336               | 3850      |
| 10   | 110A9017 | BKT AC unit series EGO60 (400V, 350Hz, 5800W) —side   | 600/2000/380               | 5800      |
| 11   | 110A9019 | BKT AC unit series EGO80 (400V, 350Hz, 7600W) —side   | 800/2000/380               | 7600      |
| 11   | 110A9021 | BKT AC unit series EGOA0 (400V, 350Hz, 9400W) —side   | 800/2000/380               | 9400      |
| 12   | 110A9023 | BKT AC unit series EGOA5 (400V, 350Hz, 14800W) —side  | 800/2067/550               | 14800     |