

## HP30 MINIMATIC IP55

|                                    |                 |
|------------------------------------|-----------------|
| <b>Product code</b>                | IJ0TRF319250654 |
| <b>Reactive power Ue=400V</b>      | 108 kvar        |
| <b>Reactive power Ue=415V</b>      | 117 kvar        |
| <b>Reactive power Un=550V</b>      | 192 kvar        |
| <b>Nominal voltage Ue</b>          | 400-415V        |
| <b>Capacitors voltage Un</b>       | 550 V           |
| <b>Capacitors max voltage Umax</b> | 600 V           |
| <b>Frequency</b>                   | 50 Hz           |
| <b>THDI<sub>R</sub>%</b>           | ≤27%            |
| <b>THDIC%</b>                      | ≤85%            |
| <b>Steps</b>                       | 9-18-36-45 kvar |
| <b>Electrical steps number</b>     | 12              |
| <b>Banks</b>                       | 18-2x45 kvar    |
| <b>Load break switch</b>           | 250 A           |
| <b>Icc</b>                         | 9 kA            |
| <b>Controller</b>                  | 5LGA            |
| <b>IP degree</b>                   | IP55            |
| <b>Dimensions WxDxH</b>            | 600x440x1500mm  |
| <b>Weight</b>                      | 60 kg           |

NOTE Icc value: Other values upon request.

### Standard features

|                                                        |                                                                                                                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Max current overload I<sub>n</sub></b>              | 1.3 I <sub>n</sub>                                                                                                                                                                                                |
| <b>Max current overload I<sub>n</sub> (capacitors)</b> | 1,3 I <sub>n</sub> (continuous)<br>2 I <sub>n</sub> (x380s every 60 minutes)<br>3 I <sub>n</sub> (x150s every 60 minutes)<br>4 I <sub>n</sub> (x70s every 60 minutes)<br>5 I <sub>n</sub> (x45s every 60 minutes) |
| <b>Max overload V<sub>n</sub></b>                      | 1,1xU <sub>e</sub>                                                                                                                                                                                                |
| <b>Max overload V<sub>n</sub> (capacitors)</b>         | 3xU <sub>n</sub> (for 1 minute)                                                                                                                                                                                   |
| <b>Insulation voltage</b>                              | 690V                                                                                                                                                                                                              |
| <b>Temperature class</b>                               | -5/+40°C                                                                                                                                                                                                          |
| <b>Temperature class (capacitors)</b>                  | -25/+55°C                                                                                                                                                                                                         |
| <b>Discharge device</b>                                | mounted on each bank                                                                                                                                                                                              |
| <b>Installation</b>                                    | indoor                                                                                                                                                                                                            |
| <b>Service</b>                                         | continuous                                                                                                                                                                                                        |
| <b>Internal connection</b>                             | delta                                                                                                                                                                                                             |
| <b>Total losses</b>                                    | ~ 2W/kvar                                                                                                                                                                                                         |
| <b>Inner surface finish</b>                            | zinc passivation                                                                                                                                                                                                  |
| <b>Standards (bank)</b>                                | IEC 61439-1/2, IEC 61921                                                                                                                                                                                          |
| <b>Standards (capacitors)</b>                          | IEC 60831-1/2                                                                                                                                                                                                     |

## Generalities

Zink-passivated metallic enclosure painted with epossidic dust paint, colour RAL 7035.

Auxiliary transformer to separate power and auxiliary circuit parts (110V).

Load-break switch with door interlock.

Special contactors with damping resistors to limit capacitors inrush current (AC6b).

FS17 450/750V self-extinguish cable according to EN 50525 - EN 50575 - EN 50575/A1.

Microprocessor Power Factor Correction relay.

CRM25 single phase self-healing metallized polypropylene capacitor with  $U_n=550V$  rated voltage.

