

PUMPS & COUNTER CURRENT 02/21

VARIABLE FREQUENCY DRIVE

The new frequency variable speed drive E-MOTION is a new control system by frequency modulation to enjoy great comfort and minimize the operating costs. Complies with the new IE2 drive efficiency standard.



✓ Technical features

Why choose E-MOTION?

E-MOTION are extremely robust frequency inverters designed for continuous and intensive use. It has very simple software to program, combined with precise adjustments, which make up a technologically advanced, user-friendly system, capable of operating in 100% of the installations.

Main advantages

- Start-up wizard, very easy to program
- Constant pressure in the installation
- Removes all vibrations and noise in the pipes
- Reduces the energy consumption by up to 80%
- Compatible with all pumps on the market
- Communicates with up to 8 inverters



MT2-11 & TT3-11

WALL MOUNT SUPPORT KIT FOR E-MOTION 11A:

This optional accessory allows the MT2-11 and the TT3-11 frequency inverters to be mounted on a wall and includes a single fan to cool the drive while in operation.



TT3-30

WALL MOUNT SUPPORT KIT FOR E-MOTION 30A:

This optional accessory allows the TT3-30 E-MOTION drive to be mounted on a wall and includes a twin fan system to cool the drive while in operation.

🔍 Models

| PRODUCT CODE | MOTOR CONSUMPTION A | MOTOR POWER kW | POWER SUPPLY V | PUMP SUPPLY V | INVERTERS COMMUNICATION | DIMENSIONS | WEIGHT kg | VOLUME m ³ | |
|--------------|---|----------------|----------------|---------------|-------------------------|-----------------|-----------|-----------------------|-------|
| MT2-11 | 11 | 2.2 | 1 X 230 (1 ~) | 3 X 230 (3 ~) | Up to 8 inverters | 230 x 183 x 149 | 3 | 0.006 | |
| TT3-11 | 11 | 4 | 3 X 400 (3 ~) | 3 X 400 (3 ~) | | 230 x 183 x 149 | 4 | 0.007 | |
| TT3-30 | 30 | 15 | 3 X 400 (3 ~) | 3 X 400 (3 ~) | | 316 x 276 x 198 | 5 | 0.008 | |
| E-MOTION 11A | WALL MOUNTED SUPPORT FOR INVERTERS AND WALL SUPPORT UP TO 11A | | | | | | | 0.5 | 0.003 |
| E-MOTION 30A | WALL MOUNTED SUPPORT FOR INVERTERS AND WALL SUPPORT UP TO 30A | | | | | | | 0.75 | 0.004 |

| | DESCRIPTION | MT2-11 | TT3-11 | TT3-30 |
|--------------------------------|--|--------------------|---------------|-----------------|
| Power Supply | Voltage (V) (+10/-20%) | 1 X 230 (1 ~) | 3 X 400 (3 ~) | 3 X 400 (3 ~) |
| | Frequency (Hz) | 50-60 | 50-60 | 50-60 |
| | Max consumption (A) | 20 | 12 | 31 |
| Inverter Output | Voltage (V) (+10/-10%) | 3 X 230 (3 ~) | 3 X 400 (3 ~) | 3 X 230 (3 ~) |
| | Phases | 3 | 3 | 3 |
| | Maximum frequency (Hz) | 60 | 60 | 60 |
| | Motor power supply (KVA) | 3 | 5.5 | 20 |
| Packing | Mechanical power (P2) | 3 HP / 2,2 kW | 5,5 HP / 4 kW | 20 HP / 15 kW |
| | Weight (Kg) | 3.5 | | 5 |
| | Dimensions (mm) | 330 x 230 x 170 | | 330 x 295 x 210 |
| Installation | Protection rating (IP) | IP55 | | |
| | Type of action | 2B | | |
| | Operation | S1 | | |
| | Grounding system distribution | IT, TN-C, TN-S, TT | | |
| | Maximum ambient temperature | +40°C | | |
| | Ambient humidity | 5% - 95% | | |
| | Maximum altitude (mts) | 2000 | | |
| | Minimum section for wire supply (mm ²) | 2.5 | 6 | |
| Maximum working pressure (bar) | 40 | | | |



Your global partner since 1974. Trusted for superior quality and exceptional innovations.

Head Office

AQUA S.p.A
42018 San Martino in Rio, Reggio Emilia
Italy - Via Crotti, 1
P : +39 0522 695805/85 - F : +39 0522 646160
aqua@aqua.it | www.aqua.it

AQUA S.p.A - POOL DIVISION
46043 Castiglione d. Stiviere, Mantova - Italy
P : +39 0376 671973 - F : +39 0376 940139
infpools@aqua.it | www.aqua.it



Branches

AQUA WATER SYSTEMS LTD
Unit 135 Oak Drive Hartlebury Trading Estate,
Worcestershire, DY10 4JB
P : +44 (0)1299 251050, F : +44 (0)1299 253704
sales@askaqua.co.uk | www.askaqua.co.uk

AQUA FILTRACION S.A.
Pol. Ind. Castellbisbal Sud 08755
Castellbisbal, Barcelona
P : +34 (0)93 7711855, F : +34 (0)93 7711772
info@aqua.es | www.aqua.es

AQUA SU ARITIMI SAN. VE MUH. TIC. LTD. STI.
Ferhatpasa Mahallesi Maresal Fevzi Cakmak
Cad. No:45 Pk.34888 Atasehir / Istanbul - Turkey
P : +90 216 661 60 60, F : +90 216 661 68 50
info@aqua.com.tr | www.aqua.com.tr

AQUA MIDDLE EAST FZC
1J-07/4 and 1J-07/3 - Hamriyah Free Zone
P.O.Box 42585 Sharjah - United Arab Emirates
P : +971 6 526 0563, F : +971 6 526 0564
contact@aqua-me.ae
www.aqua-me.ae

AQUA WATER SYSTEMS INDIA PVT LTD
4A/4B/4C-,Puttappa Industrial Estate
Mahadevapura Post, White Field Road,
Bangalore 560 048
P : 0091 80 4152 1313, F : 0091 80 4152 1414
contact@aquaindia.in | sales@aquaindia.in
www.aquaindia.in

AQUA GROUP RUS
Juridical Address:
107014, Egerskaya str, 1, Moscow, Russia
Residence Address:
127081, Chermianskaya str, 3, Moscow, Russia
P : +7 495 6458078, F : +7 495 969 2413
mail@aqua-italy.ru | www.aqua-italy.ru
www.aqua.it

AQUA GROUP LLC
Office : Regus – Sarayat EL Maadi, Egypt
Management & Warehouse : Plot no 2-2nd service
axe, 2nd Industrial Zone, October, Egypt
P : +20 2 3820 2259 | info@aqua.eg