



ResiBoost

RESIBOOST IS A VARIABLE FREQUENCY DRIVE FOR CONSTANT PRESSURE SYSTEMS. RESIBOOST AUTOMATICALLY CONTROLS THE SPEED OF THE PUMP WHILE KEEPING THE PRESSURE IN THE SYSTEM CONSTANT

The ResiBoost allows a constant set pressure regardless of demand for maximum comfort. Energy savings are the result of the precise speed control.

The ResiBoost is specially designed for maintaining constant pressure independent of flow for maximum comfort. Energy savings is the result of the precise speed control. Top quality components guarantee high reliability and a trouble-free life. The inverter has inbuilt protection against various system and electrical faults. Smooth operation and soft starting ensure silent running and an extended pump life. With pipe or wall mounted versions together with ready built, the quick set up means easy installation.

Pipe mounted version:

Turns a fixed speed pump to a variable speed

Easy to setup and operate, just select the required pressure "Plug and Play"

Built in dry run protection

Compact design

Built in pressure transducer with digital indicator

Control and panel with LCD display

Stored information of operated hours, number of starts, connections to the power supply, register of alarms

Built in protection of over current, incorrect supply voltage and short circuit

Anti - Icing protection >> just for water cooled version

IP55

Technical Features: Pipe mounted

| | 09MM | 12MM | 06MT | 10MT |
|------------------------|--------------|--------------|--------------|--------------|
| Power Supply Voltage | 1 x 230V | 1 x 230V | 1 x 230V | 1 x 230V |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Output | 1 x 230V | 1 x 230V | 3 x 230V | 3 x 230V |
| Max Current | 9 A | 12 A | 6 A | 10 A |
| Max Operating pressure | 10 Bar | 10 Bar | 10 Bar | 10 Bar |
| Range of set pressure | 0-5 to 8 Bar | 0-5 to 8 Bar | 0-5 to 8 Bar | 0-5 to 8 Bar |
| Protection Index | IP 55 | IP 55 | IP 55 | IP 55 |
| Max water Temp | 40°C | 40°C | 40°C | 40°C |
| Net Weight | 2.5 kg | 2.5 kg | 2.5 kg | 2.5 kg |
| S/D Threads (Male) | 1 ¼" | 1 ¼" | 1 ¼" | 1 ¼" |
| Max Flow | 10 m³/h | 10 m³/h | 10 m³/h | 10 m³/h |



Wall mounted Variable speed pump driver. Single or three phase pumps.

Wall mounted version:

Control and information panel with LCD screen

Cooling by natural or forced convection depending on model

Aluminum heat exchanger

4-20 mA, 0-10 Bar External pressure transducer supplied (0-16 bar supplied as option)

Stored information of operated hours, number of starts, connections to the power supply, register of alarms

Automatic restore system in case of power supply failure

Built in dry run protection

Electronic input for detection of water level in tank, this system is independent of the dry run protection

IP54

Technical Features: Wall mounted

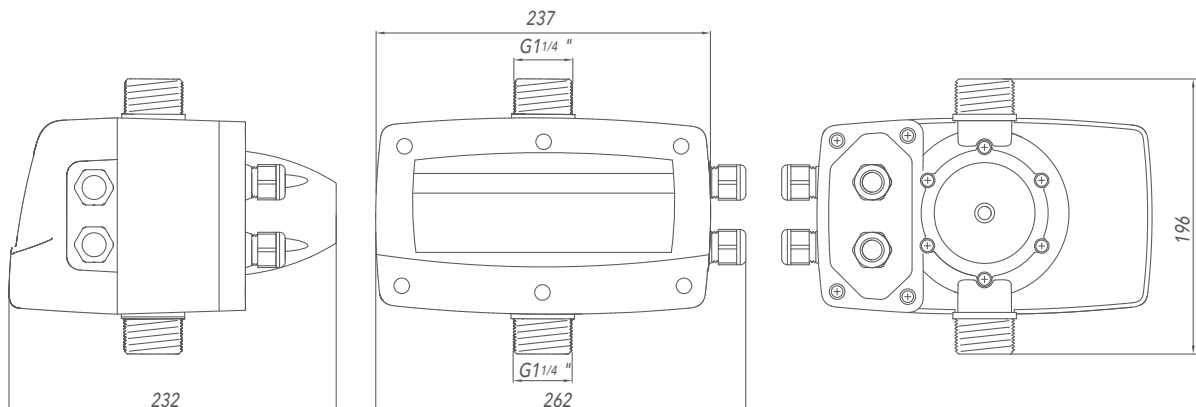
| | 1106 | 1112 | 1006 | 1010 |
|------------------------|---------------|---------------|---------------|---------------|
| Power Supply Voltage | 1 x 230V | 1 x 230V | 1 x 230V | 1 x 230V |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Output | 1 x 230V | 1 x 230V | 3 x 230V | 3 x 230V |
| Max Current | 6 A | 12 A | 6 A | 10 A |
| Range of set pressure | 0-5 to 16 Bar | 0-5 to 16 Bar | 0-5 to 16 Bar | 0-5 to 16 Bar |
| Protection Index | IP 54 | IP 54 | IP 54 | IP 54 |
| Max Environmental Temp | 50°C | 50°C | 50°C | 50°C |
| Net Weight | 3 kg | 3.5 kg | 4 kg | 4.5 kg |



| Function | Description | |
|---|--|--|
| ResiBoost Inverter Model | MMW09 | MTW10 |
| Rated Power Input (U _{in}) | 1x230V -20% +10% | 1x230V -20% +10% |
| Rated Power Output of Motor (U _{out}) | 0 to 1xU _{in} | 0 to 3xU _{in} |
| Rated Input Frequency | 48 to 62 Hz | 48 to 62 Hz |
| Max Output Frequency | 50Hz | 50Hz |
| Rated Current supplied to the Motor** (U _{out} = 230v) | 9A | 10A |
| Max Inverter Input Current (U _{in} = 230V) | 9.5A | 20A |
| Recommended Line Protection **** | 13A | 25A |
| Overcurrent | 20%, 10 sec max | 20%, 10 sec max |
| Consumption in Standby | 4W | 4W |
| Rated Output | ≥93% | ≥93% |
| IP Protection | IP55 | IP55 |
| Max Power cable Section | 2.5 mm ² | 2.5 mm ² |
| Setpoint Pressure | 0.0 to 8.0 bar | 0.0 to 8.0 bar |
| Ambient Temperature | 0 to 40°C | 0 to 40°C |
| Pumped Liquid | Clean water without chemical or suspended solids | Clean water without chemical or suspended solids |
| Protection Fuse | 16A | 20A |
| Cooling | System Fluid | System Fluid |

Sizes (ResiBoost, Pipe Mount)

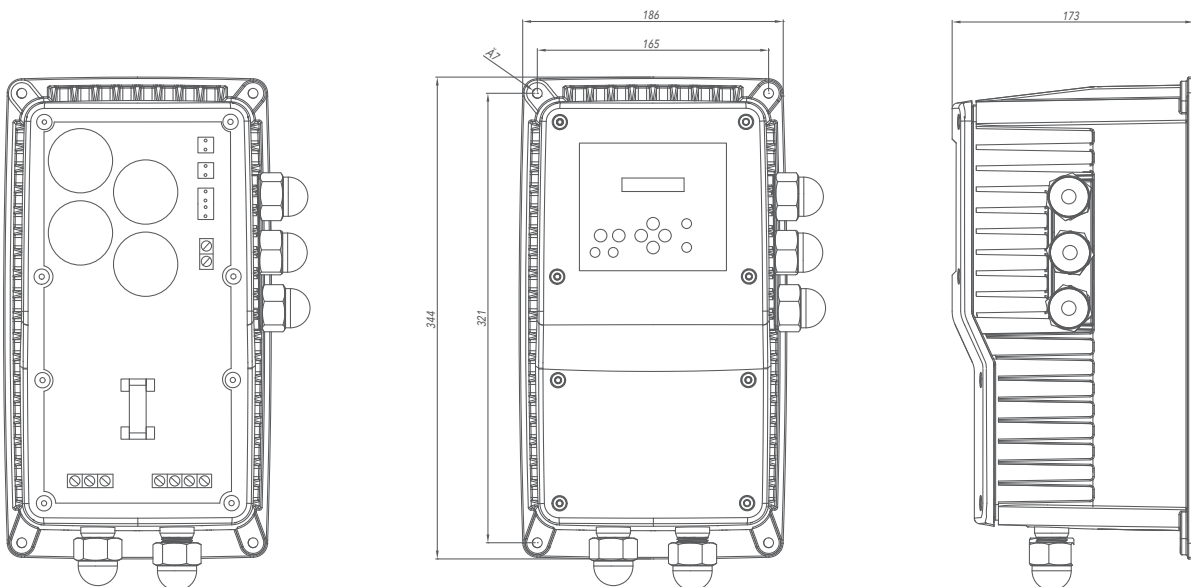
| Model | MMW09 | MTW10 |
|---------|-------|-------|
| KG | 2,9 | 2,9 |
| b1 (mm) | 232 | 263 |
| b2 (mm) | 263 | 263 |
| b3 (mm) | R 1¼" | R 1¼" |
| b4 (mm) | 238 | 238 |
| b5 (mm) | 195 | 195 |



| Function | Description | | | |
|---|---------------------|---------------------|---------------------|---------------------|
| ResiBoost Inverter Model | MMA06 | MMA12 | MTA06 | MTA10 |
| Rated Power Input (Uin) | 1x230V -20% +10% | 1x230V -20% +10% | 1x230V -20% +10% | 1x230V -20% +10% |
| Rated Power Output of Motor (Uout) | 0 to 1xUin | 0 to 1xUin | 0 to 3xUin | 0 to 3xUin |
| Rated Input Frequency | 48 to 62 Hz | 48 to 62 Hz | 48 to 62 Hz | 48 to 62 Hz |
| Max Output Frequency | 50Hz | 50Hz | 50Hz | 50Hz |
| Rated Current supplied to the Motor** (Uout = 230v) | 6A | 12A | 6A | 10A |
| Max Inverter Input Current (Uin = 230V) | 6.3A | 12.6A | 12A | 20A |
| Recommended Line Protection **** | 13A | 16A | 16A | 25A |
| Overcurrent | 20%, 10 sec max | 20%, 10 sec max | 20%, 10 sec max | 20%, 10 sec max |
| Consumption in Standby | 4W | 4W | 4W | 4W |
| Rated Output | ≥93% | ≥93% | ≥93% | ≥93% |
| IP Protection | IP54 | IP54 | IP54 | IP54 |
| Max Power cable Section | 2.5 mm ² | 2.5 mm ² | 2.5 mm ² | 2.5 mm ² |
| Setpoint Pressure | 0.0 to 10 bar | 0.0 to 10 bar | 0.0 to 10 bar | 0.0 to 10 bar |
| Ambient Temperature | 0 to 50°C | 0 to 50°C | 0 to 50°C | 0 to 50°C |
| Pumped Liquid | N/A | N/A | N/A | N/A |
| Protection Fuse | 10A | 16A | 16A | 20A |
| Cooling | Natural Air | Forced Air | Forced Air | Forced Air |

Sizes (ResiBoost, Wall Mount)

| Model | MMA06 | MTA06 | MMA12 | MTA10 |
|---------|-------|-------|-------|-------|
| KG | 4,6 | 4,6 | 4,6 | 4,6 |
| b1 (mm) | 165 | 165 | 165 | 165 |
| b2 (mm) | 189 | 189 | 189 | 189 |
| b3 (mm) | 320 | 320 | 320 | 320 |
| b4 (mm) | 346 | 346 | 346 | 346 |
| b5 (mm) | 220 | 220 | 220 | 220 |
| b6 (mm) | 170 | 170 | 170 | 170 |
| b7 (mm) | 154 | 154 | 154 | 154 |
| c1 (mm) | 7mm | 7mm | 7mm | 7mm |



Find your ResiBoost solution

e-HM™

Our e-HM series is a modern highly efficient horizontal multistage pump with best in class efficiency and IE3 motors fitted as standard. The pump housing is available in 304 or 316 stainless steel and impellers have a choice in either Noryl, 304 or 316 stainless steel.

Flow up to: 7.2 m³/h (water cooled),
14 m³/h (air cooled)

Head up to: 70 m (water cooled and air cooled)



BG

Close-coupled self-priming centrifugal pumps with built-in ejector system, designed to remain primed even in the presence of water-dissolved gases. The extensive use of pressed stainless steel ensures a high-performance, durable and lightweight pump.

Flow up to: 4.2 m³/h

Head up to: 53 m



Scuba

Multi-impeller submersible pump with the liquid end located underneath the motor which is cooled by the pumped liquid. The motor is protected by a double seal system with an oil chamber guaranteeing long lasting reliability. The techno polymer impellers and AISI 304 stainless steel body ensure superior performances and maximum operational efficiency. Can also be operated in a horizontal position.

Flow up to: 7.5 m³/h

Head up to: 85 m (air cooled)



e-GS

Premium efficiency pumps and motors compliant with the ErP directive. Abrasion resistant construction combined with floating impellers ensuring optimum resistance to wear making this one of the best on the market for sand handling capabilities. The unit has a stainless steel structure with a built in non-return valve and cable guard attachment, the upper and lower supports are made of precision-cast stainless steel.


Flow up to: 15 m³/h (air cooled)


Head up to: 160 m (air cooled)



Plug and pump solutions

Pre-assembled packages composed by a premium efficiency Lowara pump and a Resiboost drive for the quickest and easiest installation.

| PUMP | INPUT/OUTPUT | PART NUMBER | DESCRIPTION |
|---|----------------------------|-------------|-----------------------------|
|  | M/M | 1005602001U | RESIBOOST MMW09UK/1HM03P05 |
| | | 1005602002U | RESIBOOST MMW09UK/1HM04P05 |
| | | 1005602003U | RESIBOOST MMW09UK/1HM05P05 |
| | | 1005602004U | RESIBOOST MMW09UK/1HM06P07 |
| | | 1005602006U | RESIBOOST MMW09UK/3HM03P05 |
| | | 1005602007U | RESIBOOST MMW09UK/3HM04P05 |
| | | 1005602008U | RESIBOOST MMW09UK/3HM05P07 |
| | | 1005602009U | RESIBOOST MMW09UK/3HM06P09 |
| | | 1005602010U | RESIBOOST MMW09UK/5HM02P05 |
| | | 1005602011U | RESIBOOST MMW09UK/5HM03P05 |
| | | 1005602012U | RESIBOOST MMW09UK/5HM04P07 |
| | | 1005602013U | RESIBOOST MMW09UK/5HM05P09 |
| | | 1005602015U | RESIBOOST MMW09UK/10HM02P11 |
| | | 1005602016U | RESIBOOST MMW09UK/10HM03P15 |
| | M/T | 1005605000 | RESIBOOST MTW10C/1HM02P03 |
| | | 1005605001 | RESIBOOST MTW10C/1HM03P03 |
| | | 1005605002 | RESIBOOST MTW10C/1HM04P04 |
| | | 1005605003 | RESIBOOST MTW10C/1HM05P05 |
| | | 1005605004 | RESIBOOST MTW10C/1HM06P07 |
| | | 1005605005 | RESIBOOST MTW10C/3HM02P03 |
| | | 1005605006 | RESIBOOST MTW10C/3HM03P04 |
| | | 1005605007 | RESIBOOST MTW10C/3HM04P05 |
| | | 1005605008 | RESIBOOST MTW10C/3HM05P07 |
| | | 1005605010 | RESIBOOST MTW10C/5HM02P04 |
| | | 1005605011 | RESIBOOST MTW10C/5HM03P05 |
| | | 1005605012 | RESIBOOST MTW10C/5HM04P11 |
| 1005605013 | RESIBOOST MTW10C/5HM05P11 | | |
| 1005605015 | RESIBOOST MTW10C/10HM02P11 | | |
| 1005605016 | RESIBOOST MTW10C/10HM03P15 | | |

| PUMP | INPUT/OUTPUT | PART NUMBER | DESCRIPTION |
|--|--------------|-------------|-------------------------|
|  | M/M | 1005602266U | RESIBOOST MMW09UK/BGM3 |
| | | 1005602267U | RESIBOOST MMW09UK/BGM5 |
| | | 1005602268U | RESIBOOST MMW09UK/BGM7 |
| | | 1005602269U | RESIBOOST MMW09UK/BGM9 |
| | | 1005602270U | RESIBOOST MMW09UK/BGM11 |
| | M/T | 1005605266 | RESIBOOST MTW10C/BG3 |
| | | 1005605267 | RESIBOOST MTW10C/BG5 |
| | | 1005605268 | RESIBOOST MTW10C/BG7 |
| | | 1005605269 | RESIBOOST MTW10C/BG9 |
| | | 1005605270 | RESIBOOST MTW10C/BG11 |

STANDALONE DRIVE

The right solution to upgrade the existing fixed speed systems.

| PART NUMBER | DESCRIPTION | PLUG |
|-------------|--------------------|--------------|
| 109951570 | RESIBOOST MTA06 UK | UK PLUG |
| 109951580 | RESIBOOST MMA06 UK | |
| 109951590 | RESIBOOST MMA12 UK | |
| 109951600 | RESIBOOST MMW09 UK | |
| 109951560 | RESIBOOST MTW10 C | WITHOUT PLUG |
| 109951520 | RESIBOOST MTA10 C | |



**WATER COOLED
MMW/MTW**



**AIR COOLED
MMA/MTA**

ACCESSORIES

| PART NUMBER | DESCRIPTION |
|-------------|---|
| 002675036 | Non return valve 1 ¼" M-F |
| 002675200 | Non return valve 1" M-M |
| 106110550 | Idrotuba 8 liters, 8 bar, connection Rp 1" |
| 002110201 | Pressure gauge 0-6 bar ø=50 mm |
| 108328400 | Level control panel QCL5 / 230, single phase 1 x230 V |
| 159260310 | Level regulator float Key, cable L = 10 m, w/ counterweight |
| 159260220 | Level regulator float Key, cable L = 5 m |
| 159260230 | Level regulator float Key, cable L = 5 m, w/ counterweight |

MOTOR FILTERS

Motor filters are recommended for installations which foresee a motor cable longer than 20m (typically borehole applications).

| PART NUMBER | TYPE | WEIGHT (KG) |
|-------------|--|-------------|
| 002560660 | Sinusoidal filter for single phase 1x230V, Inom 6A, IP64 protection | - |
| 002560661 | Sinusoidal filter for single phase 1x230V, Inom 12A, IP64 protection | 2,88 |
| 002560664 | Sinusoidal filter for three phase 3x230V, Inom 6A, IP64 protection | - |
| 002560665 | Sinusoidal filter for three phase 3x230V, Inom 12A, IP64 protection | - |
| 002560666 | dV/dt filter for three-phase 3x230V, Inom 6A, IP64 protec | - |
| 002560667 | dV/dt filter for three-phase 3x230V, Inom 12A, IP64 protection | - |

HOW TO SELECT MOTOR FILTERS?

| OUTPUT TYPE | OUTPUT CURRENT | MOTOR CABLE LENGTH | | |
|--------------|----------------|--------------------|------------------------------|-------------------|
| | | $l < 20\text{m}$ | $20 \leq l \leq 100\text{m}$ | $l > 100\text{m}$ |
| N° of phases | A | | | |
| 1 phase | 6 | not mandatory | 002560660 | 002560660 |
| 1 phase | 12 | not mandatory | 002560661 | 002560661 |
| 3 phase | 6 | not mandatory | 002560666 | 002560664 |
| 3 phase | 12 | not mandatory | 002560667 | 002560665 |

How to video.

Connect to our YouTube Channel to watch the new how-to video about the Xylem Lowara ResiBoost: easy installation and versatility for multiple residential applications.

The video shows installation and set-up of the Lowara ResiBoost mounted on a Lowara e-HM product.



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to xyleminc.com



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Code UKLIT0160 P05/16

