



EBARA *Hydro* Booster System

Uniquely EBARA Variable Speed Booster System
Type UE-MONO

Custom built for ideal water supply system...

APPLICATIONS

- Industrial water boosting
- General water supply
- Domestic boosting application

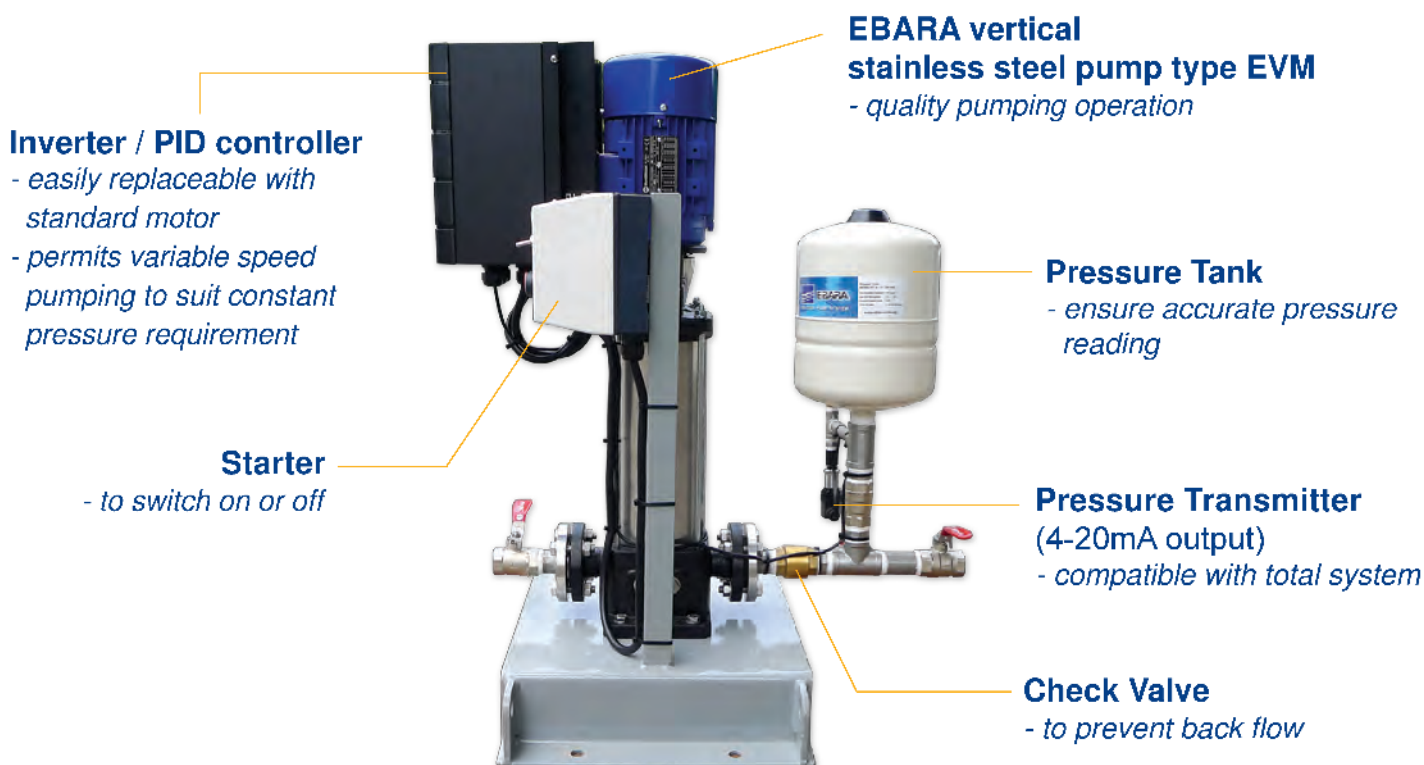
FEATURES

- VFD control
- 0.5 ~ 120Hz output
- LAN communication
- Temperature or Pressure Control (PID)



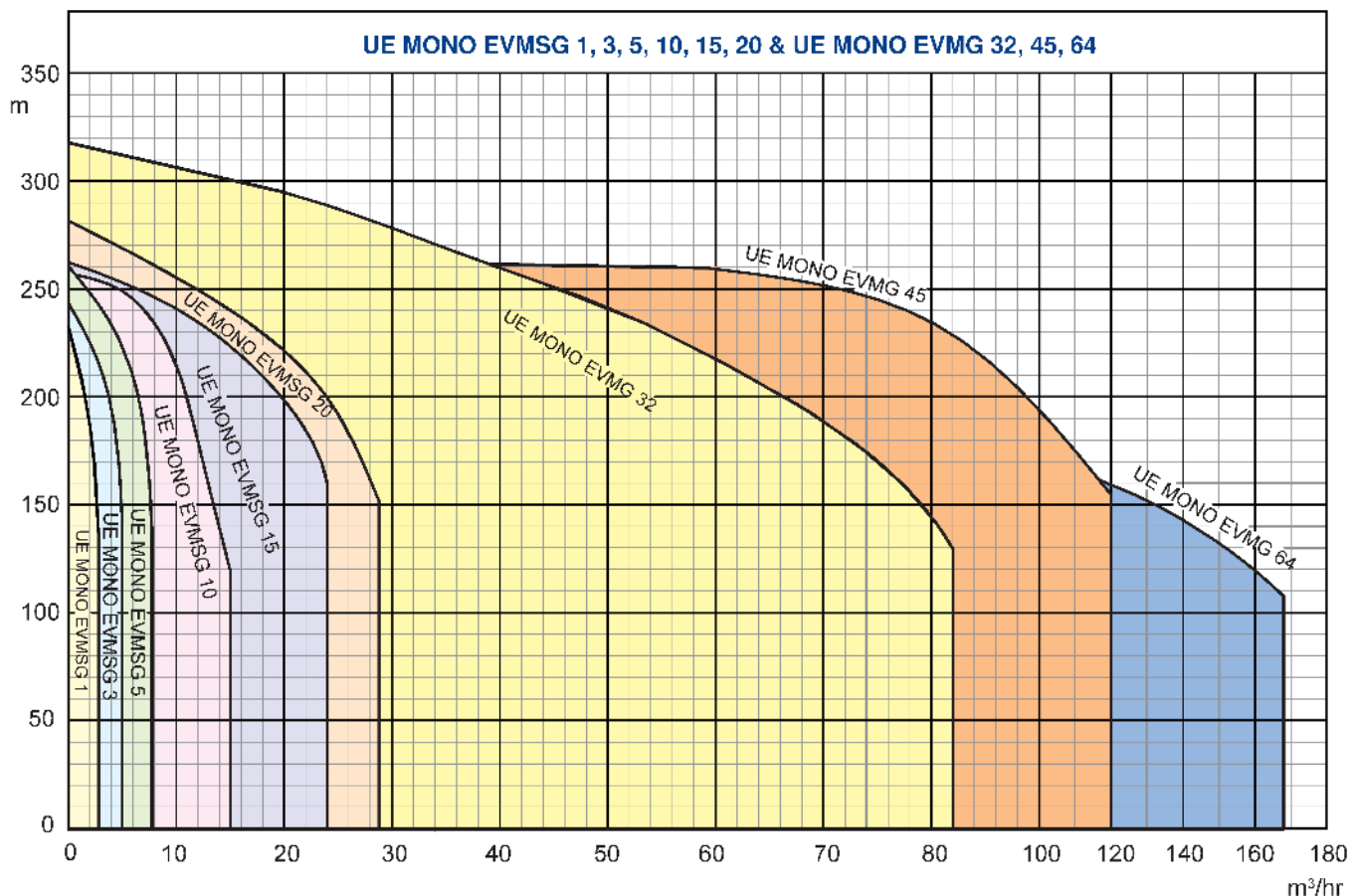
VFD-4000 Series
Controller





PERFORMANCE CURVE

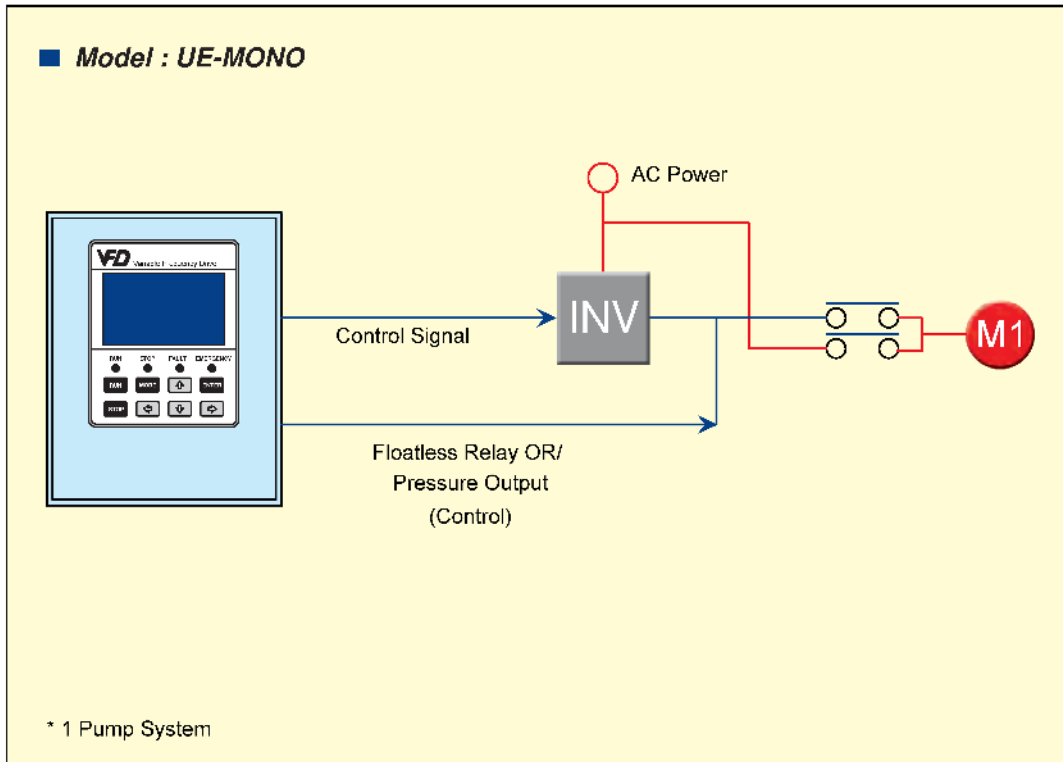
UE MONO EVMSG 1, 3, 5, 10, 15, 20 & UE MONO EVMG 32, 45, 64
CURVES 2 POLES 50 Hz



SPECIFICATIONS

- Input : 3 phase, 415v 50Hz/60Hz
- 0.75 kW to 18.5 kW available
- Suitable for EBARA vertical pump usage
- Option : Ebara Horizontal pump

SYSTEM OPERATION DIAGRAM



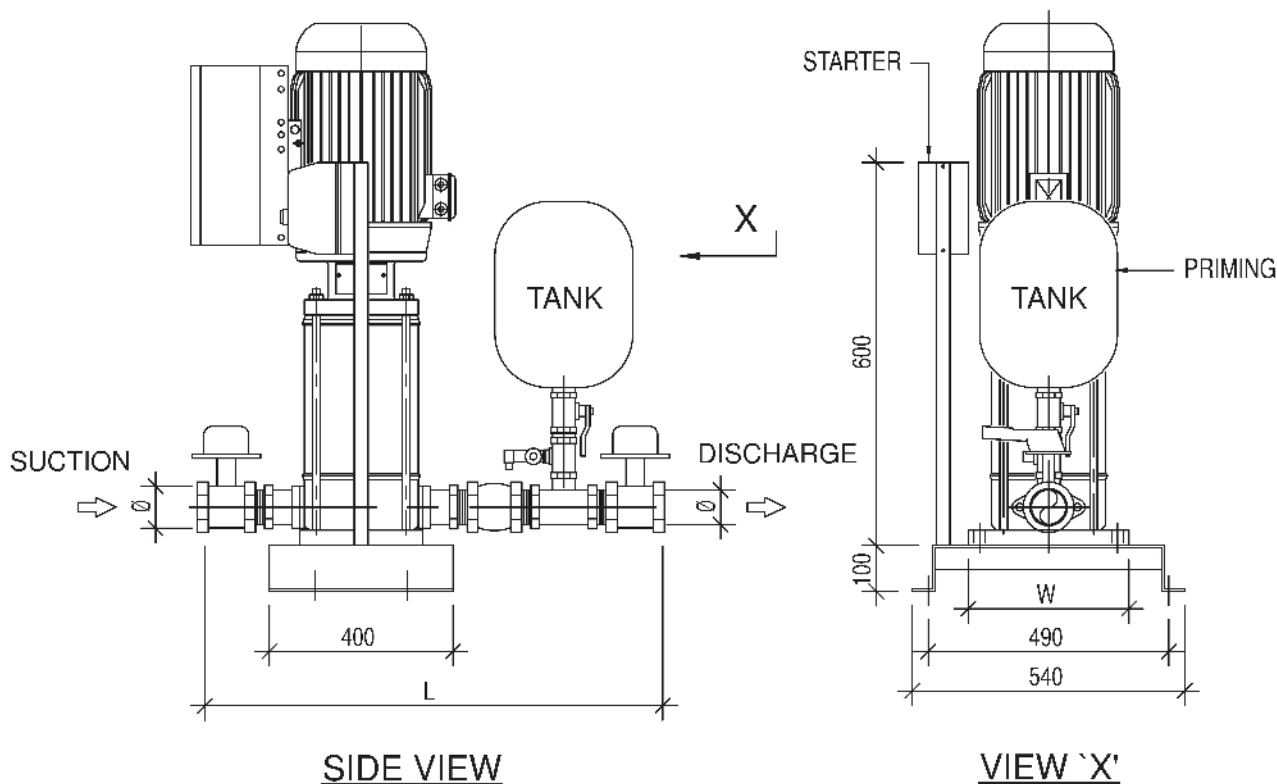
Operation Functional Features

- Booster or/ Inline Make-up Booster unit with constant pressure, differential pressure and temperature control can be achieve with pump VFD PID control.
- Dry running prevention, high & low pressure limit protection, pipe friction loss compensation.

Input Signal & Type of Sensor

- **Constant Pressure Control installation:**
 - Industrial pressure transmitter with 4 to 20mA output signal
- **Differential Pressure control installation:**
 - Industrial pressure transmitter & differential pressure transmitter with 4 to 20mA input signal
- **Temperature control installation:**
 - Industrial temperature transmitter & differential temperature transmitter with 4 to 20mA input signal

DIMENSION



| MODEL | DIMENSION | L mm | W mm | TANK LITRE | CONNECTION | |
|-------------|-----------|---------|---------|---------------|------------|-----------|
| | | | | | SUCT. (Ø) | DISC. (Ø) |
| UEM-EVMS 1 | | 660 | 210 | 8 | 25 | 25 |
| UEM-EVMS 3 | | 660 | 210 | 8 | 25 | 25 |
| UEM-EVMS 5 | | 660 | 210 | 8 | 32 | 32 |
| UEM-EVMS 10 | | 690 | 250 | 18 | 40 | 40 |
| UEM-EVMS 15 | | 734 | 250 | 18 | 50 | 50 |
| UEM-EVMS 20 | | 734 | 250 | 18 | 65 | 65 |
| UEM-EVM 32 | | 708 | 280 | 24 | 65 | 65 |
| UEM-EVM 45 | | 726 | 331 | 24 | 80 | 80 |
| UEM-EVM 64 | | 738 | 331 | 24 | 100 | 100 |

* Dimensional details are provided for reference only.
 * All specifications are subject to change without prior notice.



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