



EBARA *Hydro* Booster System

Uniquely EBARA Variable Speed Booster System
Type UE-PRO

Custom built for ideal water supply system...

APPLICATIONS

- Water supply for villa, school, hotel, hospital, rest house and high-rise buildings.
- Industrial water boosting.
- Municipal water supply.
- Irrigation

FEATURES

- **Constant Pressure**
PID controller with inverter able to adjust water pressure perfectly by variable speed control.
- **Energy saving**
Using of the inverter able to save energy.
- **No water hammering**
Preventing water hammer as speed is adjusted automatically to meet variable demand.
- **Fully tested & assembled unit**
Ensure trouble-free operation.
- **Stainless steel pumpset used**
Hygiene and clean water assured.
- **Ebara TOTAL warranty on all components used**
Value for money.

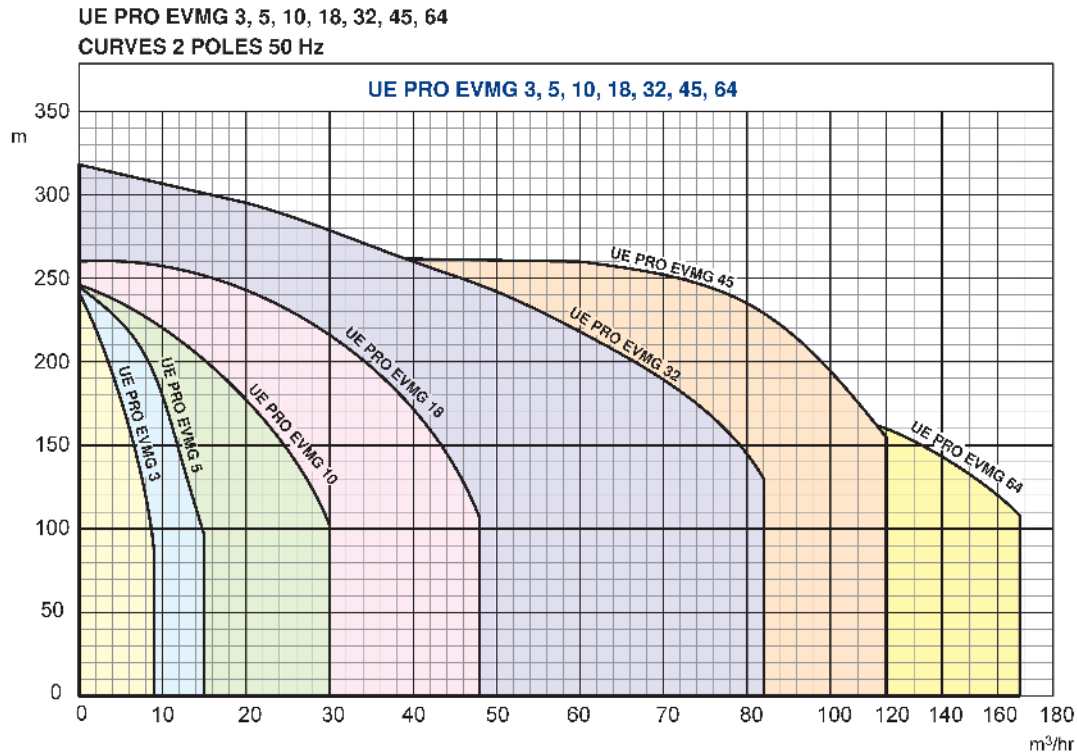


Micro Processor Controller
type UE-PRO



Quality • Value • Performance

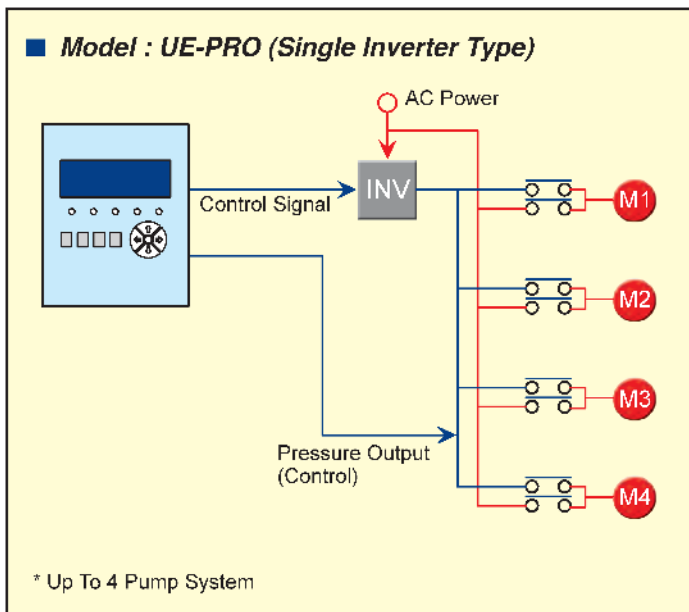
PERFORMANCE CURVE



SPECIFICATIONS

- Multi-inverter control (2-4 pump system)
- Temperature or pressure control (PID)
- Input 415 V, 3 Ph, 50Hz

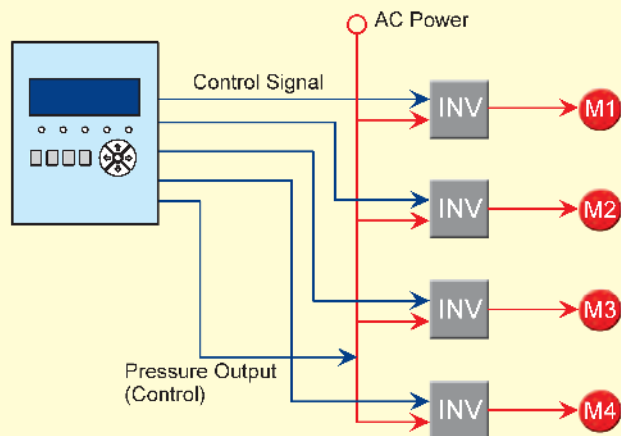
SYSTEM OPERATION DIAGRAM



Operation Functional Features

- **UE-PRO (Single Inverter) System**
 - Booster unit incorporated with 1 single integral or/ external inverter driven pump and 3 fix speed pump up to 4 pumps in parallel operation and capable to adjust the water pressure automatically to meets actual system demand at all time.
 - Graphical display controller with password protection provided and prevents any non-authorities personnel erroneous operation or/ overwriting of parameter function code
 - Dry running prevention, high & low pressure limit protection, pipe friction loss compensation, automatically lead lag (Step 1 & Step 2) emergency and schedule operation (Daily, Weekly & Monthly) function.

■ **Model : UE-PRO (Multiple Inverter Type)**



* Up To 4 Inverter Pump System

• **UE-PRO (Multi Inverter type) System**

- Booster unit incorporated with multiple pumps with integral or/ external inverter up to 4 pumps parallel in operation and capable to adjust the water pressure automatically to meets actual system demand at all time.
- Graphical display controller with password protection provided and prevents any non-authorities personnel erroneous operation or/ overwriting of parameter function code.
- Dry running prevention, high & low pressure limit protection, pipe friction loss compensation, automatically lead lag (Step 1 & Step 2) during emergency and schedule (Daily, Weekly & Monthly) operation function.

Input Signal & Type of Sensor

• **Constant Pressure control installation:**

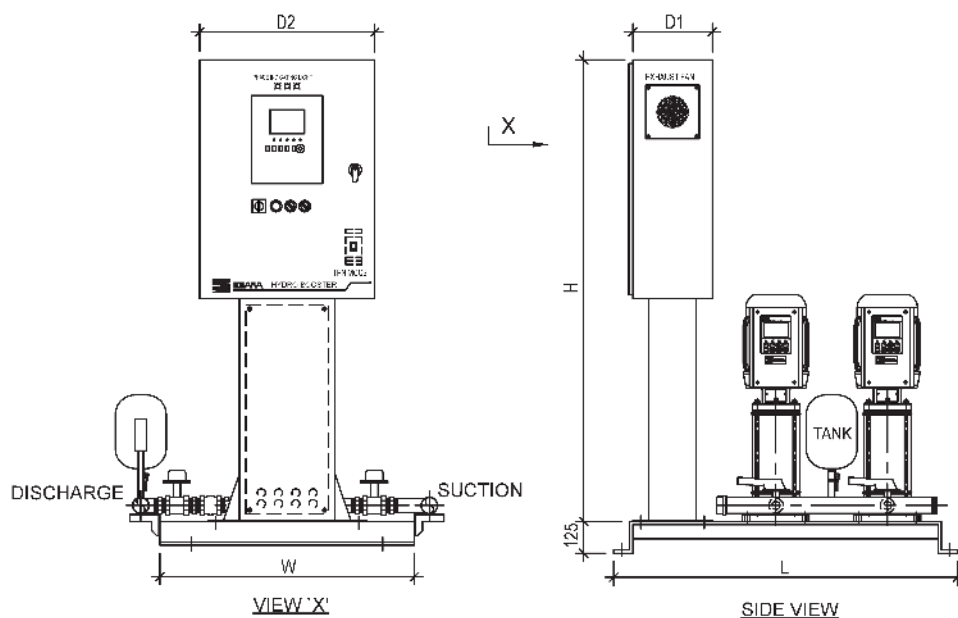
- Industrial pressure transmitter with 0 to 20mA, 4 to 20mA (0 – 30V supply voltage) or/ 0 – 10 VDC input signal.

• **Option:**

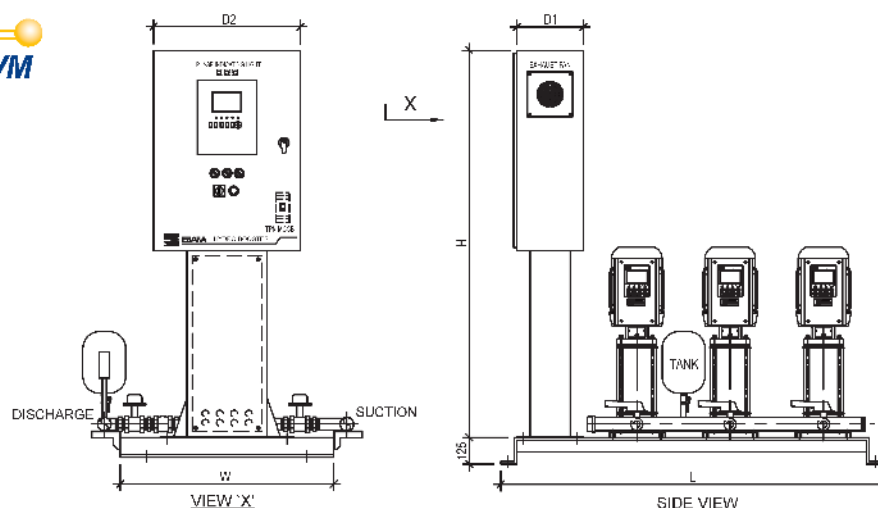
- Float less Relay control for Tank to Tank pumping application

DIMENSION

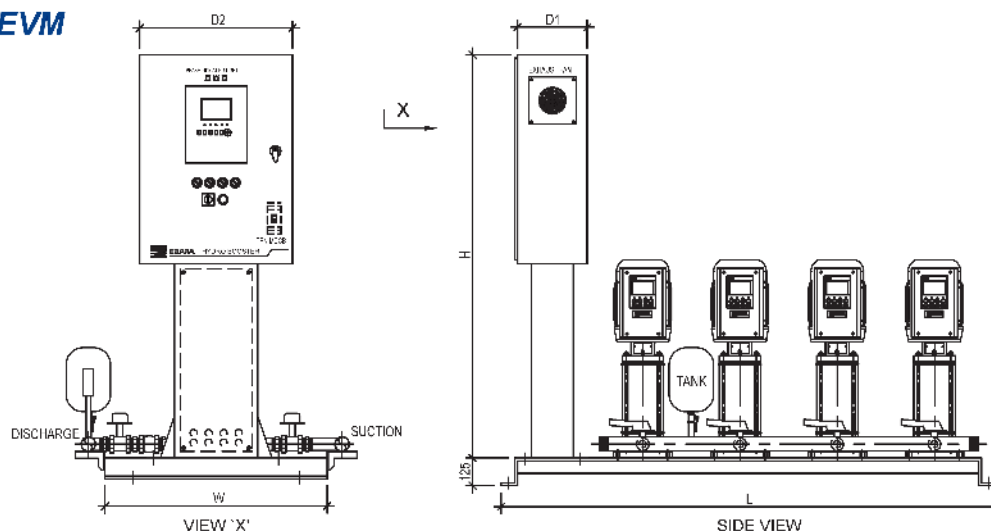
Type : 2UEP-EVM



DIMENSION MODEL	D1 mm	D2 mm	W mm	H mm	L mm	TANK LITER	SUCTION MANIFOLD (mm)	DISCHARGE MANIFOLD (mm)	PIPE CONNECTION
2UEP-EVM 3	250	550	850	1450	970	8	50	50	NPT
2UEP-EVM 5	250	550	850	1450	970	8	50	50	NPT
2UEP-EVM 10	250	550	850	1450	1070	18	65	65	NPT
2UEP-EVM 18	250	550	850	1450	1260	18	80	80	FLANGE
2UEP-EVM 32	250	550	850	1450	1260	24	100	100	FLANGE
2UEP-EVM 45	250	550	850	1450	1405	24	150	150	FLANGE
2UEP-EVM 64	250	550	850	1450	1405	24	150	150	FLANGE

DIMENSION
Type : 3UEP-EVM


DIMENSION MODEL	D1 mm	D2 mm	W mm	H mm	L mm	TANK LITER	SUCTION MANIFOLD (mm)	DISCHARGE MANIFOLD (mm)	PIPE CONNECTION
3UEP-EVM 3	250	550	850	1450	1330	8	50	50	NPT
3UEP-EVM 5	250	550	850	1450	1330	8	50	50	NPT
3UEP-EVM 10	250	550	850	1450	1460	18	65	65	NPT
3UEP-EVM 18	250	550	850	1450	1700	18	100	100	FLANGE
3UEP-EVM 32	250	550	850	1450	2290	24	100	100	FLANGE
3UEP-EVM 45	250	550	850	1450	2510	24	150	150	FLANGE
3UEP-EVM 64	250	550	850	1450	2510	24	150	150	FLANGE

Type : 4UEP-EVM


DIMENSION MODEL	D1 mm	D2 mm	W mm	H mm	L mm	TANK LITER	SUCTION MANIFOLD (mm)	DISCHARGE MANIFOLD (mm)	PIPE CONNECTION
4UEP-EVM 3	250	600	850	1450	1680	8	65	65	NPT
4UEP-EVM 5	250	600	850	1450	1680	8	65	65	NPT
4UEP-EVM 10	250	600	850	1450	1850	18	80	80	FLANGE
4UEP-EVM 18	250	600	850	1450	2140	18	100	100	FLANGE
4UEP-EVM 32	250	600	850	1450	2730	24	150	150	FLANGE
4UEP-EVM 45	250	600	850	1450	3060	24	200	200	FLANGE
4UEP-EVM 64	250	600	850	1450	3060	24	200	200	FLANGE

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



EBARA Pumps Malaysia Sdn Bhd
 6, Jalan TP3, UEP Subang Jaya Industrial Park,
 47620 Subang Jaya, Selangor, Malaysia.
 Tel : 03-8023 6622 Fax : 03-8023 9355
 Email : sales@ebara.com.my
 Website : www.ebara.com.my



Authorised dealer: