



N.J. POWER & CO.
Water Pumps | Fountain Technology

PRODUCT BROCHURE

— PRODUCT RANGE

Commercial Pressure Boosting

Variable-speed booster sets for apartment blocks, hotels, offices and schools. Built, tested and commissioned by our team before they leave us.



EBARA 2GPE MATRIX

THE RANGE AT A GLANCE

Single or twin?

Both use EBARA's stainless-steel Matrix pumps with inverter control, holding a constant pressure however demand changes. The difference is how many pumps share the work.



SINGLE PUMP

1GPE Matrix

Best for light commercial and residential buildings.

Up to 250 l/min · 72 m



TWIN PUMP

2GPE Matrix

Best for apartment blocks, hotels, offices and schools. Two pumps share the load and back each other up.

Up to 500 l/min · 72 m

Sizing a 2GPE Matrix

Flats with two bathrooms and a kitchen

Flats	Max. flow l/min	2 floors 31 m	3 floors 35 m	4 floors 40 m	5 floors 43 m	6 floors 46 m
2-6	90	3-4T	3-5T	3-6T	3-6T	3-6T
7-10	120	3-5T	3-6T	<i>On request</i>	<i>On request</i>	<i>On request</i>
11-15	150	5-4T	5-5T	5-5T	5-6T	5-6T
16-20	175	5-5T	5-5T	5-6T	<i>On request</i>	<i>On request</i>
21-30	200	5-5T	5-5T	5-6T	<i>On request</i>	<i>On request</i>
31-40	240	10-4T	10-4T	10-5T	10-5T	10-6T
41-50	270	10-4T	10-4T	10-5T	10-6T	10-6T
51-70	310	10-5T	10-5T	10-6T	10-6T	10-6T

Model codes are 2GPE Matrix pump sizes. Based on a new installation with the set at ground level, near the outlets. In a basement or garage, add one floor.

Send us the building details

Flats, floors and supply. We'll size the set for you.

+353 1 456 4099



EBARA 1GPE MATRIX

Single-pump booster set

One stainless-steel Matrix pump with inverter control, holding a steady pressure as demand rises and falls. Compact, quiet and ready to connect.

Key features

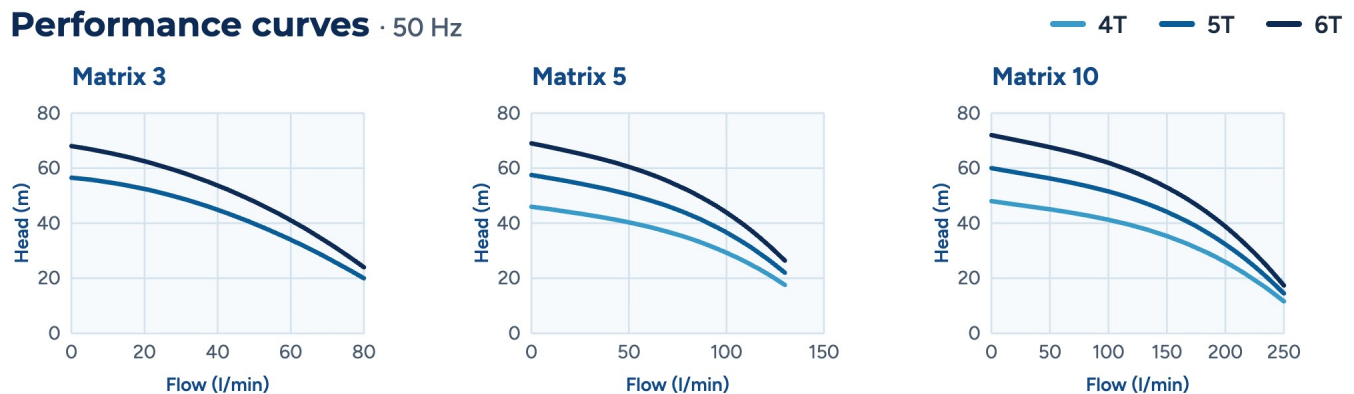
- **Constant pressure.** The inverter matches speed to demand.
- **Lower running costs.** Runs only as hard as needed.
- **Stainless steel.** EBARA Matrix multistage pump.
- **Vessel included.** Potable vessel, sized to the pump.
- **Protects itself.** Dry-run, overload and voltage protection.
- **Single-phase supply.** 230V, with three-phase drives available.



Models

Model	kW / HP	Inlet / outlet	Max. flow	Max. head
1GPE Matrix 3-5T	0.75 / 1.0	1" / 1"	80 l/min	56.5 m
1GPE Matrix 3-6T	0.9 / 1.2	1" / 1"	80 l/min	68 m
1GPE Matrix 5-4T	0.9 / 1.2	1¼" / 1"	130 l/min	46 m
1GPE Matrix 5-5T	1.3 / 1.8	1¼" / 1"	130 l/min	57.5 m
1GPE Matrix 5-6T	1.3 / 1.8	1¼" / 1"	130 l/min	69 m
1GPE Matrix 10-4T	1.5 / 2.0	1½" / 1¼"	250 l/min	48 m
1GPE Matrix 10-5T	2.2 / 3.0	1½" / 1¼"	250 l/min	60 m
1GPE Matrix 10-6T	2.2 / 3.0	1½" / 1¼"	250 l/min	72 m

Performance curves · 50 Hz





EBARA 2GPE MATRIX

Twin-pump booster set

Two Matrix pumps on one base, each with its own inverter, sharing the load and backing each other up.

Key features

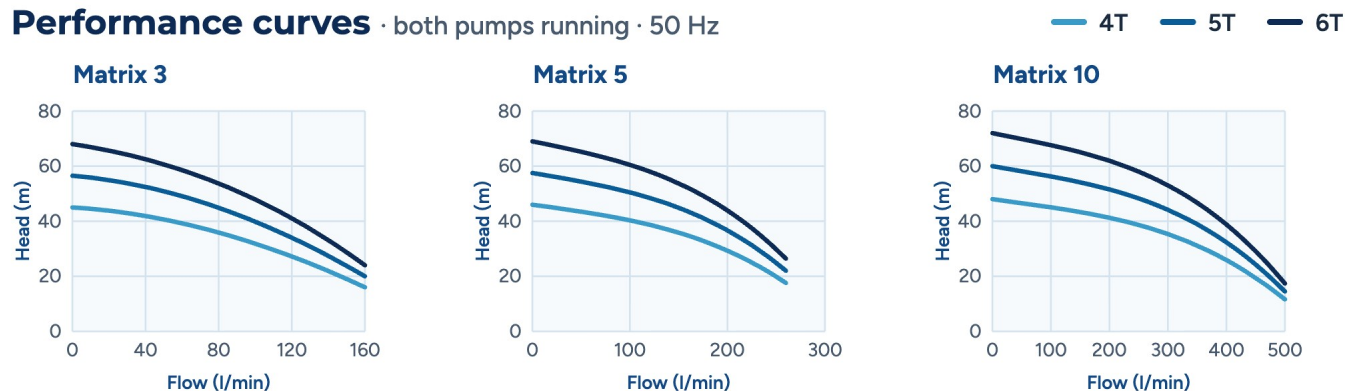
- **Duty/assist.** A second pump joins as demand climbs.
- **Built-in standby.** If one pump stops, the other carries on.
- **Even wear.** Pumps alternate starts to share the load.
- **Constant pressure.** Synchronised inverters hold the set point.
- **Factory assembled.** Manifolds, valves and two vessels on one base.



Models

Model	kW / HP each	Inlet / outlet	Max. flow	Max. head
2GPE Matrix 3-4T	0.65 / 0.9	1½" / 1½"	160 l/min	45 m
2GPE Matrix 3-5T	0.75 / 1.0	1½" / 1½"	160 l/min	56.5 m
2GPE Matrix 3-6T	0.9 / 1.2	1½" / 1½"	160 l/min	68 m
2GPE Matrix 5-4T	0.9 / 1.2	2" / 1½"	260 l/min	46 m
2GPE Matrix 5-5T	1.3 / 1.8	2" / 1½"	260 l/min	57.5 m
2GPE Matrix 5-6T	1.3 / 1.8	2" / 1½"	260 l/min	69 m
2GPE Matrix 10-4T	1.5 / 2.0	2½" / 2½"	500 l/min	48 m
2GPE Matrix 10-5T	2.2 / 3.0	2½" / 2½"	500 l/min	60 m
2GPE Matrix 10-6T	2.2 / 3.0	2½" / 2½"	500 l/min	72 m

Performance curves · both pumps running · 50 Hz





COMMISSIONING & SUPPORT

Built, tested, commissioned

Every set is assembled and commissioned by our team before it leaves us. It arrives set up for your building, ready to connect.

01

Tell us about the building

Flats, floors, supply and where the set will sit.

02

We size the set

Pump, vessel and drive matched to the duty.

03

Commissioned in-house

Pressure set and every function checked before dispatch.

04

Ready to install

Delivered or collected, with our team on hand to help.

Included as standard

- ✓ In-house commissioning
- ✓ Factory hydraulic, mechanical and electrical tests
- ✓ Pressure vessel(s) sized to the pump
- ✓ Technical support from our team
- ✓ 2-year warranty

Available on request

- + On-site commissioning by our engineers
- + 400V three-phase drives
- + Other Matrix sizes and pump sets

Installation essentials

Vessel pre-charge
20% below running pressure

Location
Under cover, protected from frost

Water
Clean, no solids or aggressive chemicals

Power supply
230V single-phase as standard

Max. working pressure
10 bar

Ambient temperature
0 to +40 °C

Ready to size a set?

Send us the building details and we'll do the rest.

+353 1 456 4099



N.J. POWER & CO.
Water Pumps | Fountain Technology

WHY N.J. POWER

Quality products. Expert advice.

Since 1989

Over 35 years in pumps. More than 100 products from 10+ brands.

Authorised distributor

Genuine products, backed by the manufacturer.

Technical support

Talk to people who know pumps. We'll match the right one to the job.

2-year warranty

Two years' cover, as standard.

Nationwide delivery

To site or door, anywhere in Ireland.

Trade counter

Call in to us at Ballymount, Dublin 12.

Get in touch

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Opening hours

Monday – Thursday **8:30 – 17:00**

Friday **8:30 – 16:30**

Lunch (closed) **13:00 – 14:00**

Saturday & Sunday **Closed**



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