

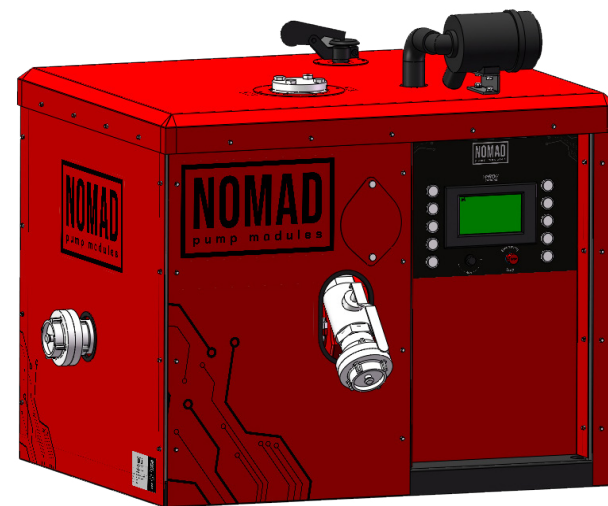


# P5Xd SINGLE-STAGE DIESEL FIRE PUMP MODULE

# P5X(d)-T

## Single-Stage Diesel Trailer Skid mount pump system

The P5Xd motor-driven pump is specifically designed for the rigors of bushfire suppression in rural Australia. The diesel-powered pump combines precision German-engineering with Australia's most reliable engines, the Kubota Super Mini Series.



### GENERAL SPECIFICATIONS

MODEL	P5Xd-T
<b>Performance</b>	550min at 5bar and 3 m suction height
<b>Engine</b>	Kubota Super Mini D602-E4B, 599cc 2-cylinder, water-cooled, naturally aspirated diesel engine
<b>Pump</b>	Single-stage centrifugal pump
<b>Material</b>	Impeller, pump casing and casing cover made of seawater-resistant Aluminium alloy, pump shaft made of stainless steel, Pipe system made of stainless steel, pump case made of steel
<b>Shaft Sealing</b>	Mechanical seal, dirty- and seawater resistant, maintenance free
<b>Priming System</b>	VACUMAT, fast automatic air escape system, 0...8 m suction lift/height, support for manual or automatic priming, could be switched on control panel, only working in time of suction, oilfree, maintenance free
<b>Suction Inlet</b>	Coupling system without, one for water tank connection (2.5"), another one for priming (2.5")
<b>Pressure outlet</b>	One for monitor (1.5" ANSI 150 flange with cover ), one for ball valve (2.5")
<b>Voltage</b>	12VDC
<b>Drainage</b>	Drain cock on the lowest points of pump casing in order to drain off water from pump casing
<b>Control Panel</b>	Multi functional digital display screen 7.0"
<b>Max. Flow</b>	900 lpm
<b>Max. Pressure</b>	8bar

### DETAILS

#### Pump Specifications

- Intake:** 2.5" BSP male, customized modular system, one for water tank connection, another one for priming
- Outlet:** NW 65 flange, customized modular system, one for monitor (1.5" ANSI 150 flange with cover), one for ball valve 2.5"
- Outside box:** Thick steel, with high quality power coating
- Pump:** Single stage centrifugal pump made of seawater-resistant aluminum alloy
- Impeller:** Seawater-resistant aluminum alloy
- Pump Shaft:** Stainless steel
- Shaft Sealing:** Mechanical seal, self-adjusting, dirty- and seawater-resistant, maintenance free
- Bearing:** Maintenance-free, no oil
- Priming system:** VACUMAT, belt-driven, automatic vacuum system. 0-8m suction height, oil-free, maintenance free

#### Engine Specifications

- Engine:** Kubota Super Mini D602-E4B, 599cc 2-cylinder, water-cooled, naturally aspirated diesel engine
- Rated Power:** 12.5 kW (16.83 HP) @ 3,600 rpm
- Maximum Torque:** 37.8 Nm (27.9 lb-ft) @ 2,600 rpm
- Compliance:** EPA / CARB Tier 4 emissions regulations + EU Stage V
- Lubrication:** Pressure-fed with spin on filter
- Alternator:** 12 VDC, 40A
- Exhaust System:** Spark Arrestor (standard)

#### Service Diagnostics

- Data Logging:** Electronic data logging of engine and pump operations, up to 6 months
- Local Connectivity:** Compatible with PRO//connect mobile diagnostics platform, up to 10 meters

#### Options and Accessories

- Priming System:** Die-cast hand primer ([link](#))
- Remote connectivity:** Authorize fleet service managers to monitor equipment state of health (SoH), allowing deployment of resources to ensure maximum uptime. Hardware is standard. Activate eSIM with local mobile provider. Compatible with 3G / 4G (LTE) / 5G / NB-IoT / CAT-M networks.

## Simplifying Advanced Pump Operations

As the newest addition to the Euramco Group, **NOMAD Pump Modules** builds on a legacy that began with RAM Centrifugal Products, Inc. in the 1970s, where we specialized in building and servicing large pumps and steam turbines for the US Naval Fleet in San Diego, CA. Over the years, many innovations in metallurgy have emerged to improve the temperature and corrosion resistance or to reduce the weight of pumps, yet the fundamental design of centrifugal fire pumps has seen only marginal improvements over the past century. While advancements in computational fluid dynamics (CFD) have slightly enhanced efficiency, the core challenges faced by modern firefighters remain unaddressed.

Firefighters don't need a new pump—they need a new approach to deploying pumps across a modernizing fleet battling increasingly aggressive wildland fires. As crew rotations grow longer, there's a critical need for simplified pump operations that foster control system familiarity. Equally important is the need for tactical leadership to gain situational awareness through actionable data sourced from across the deployed fleet.

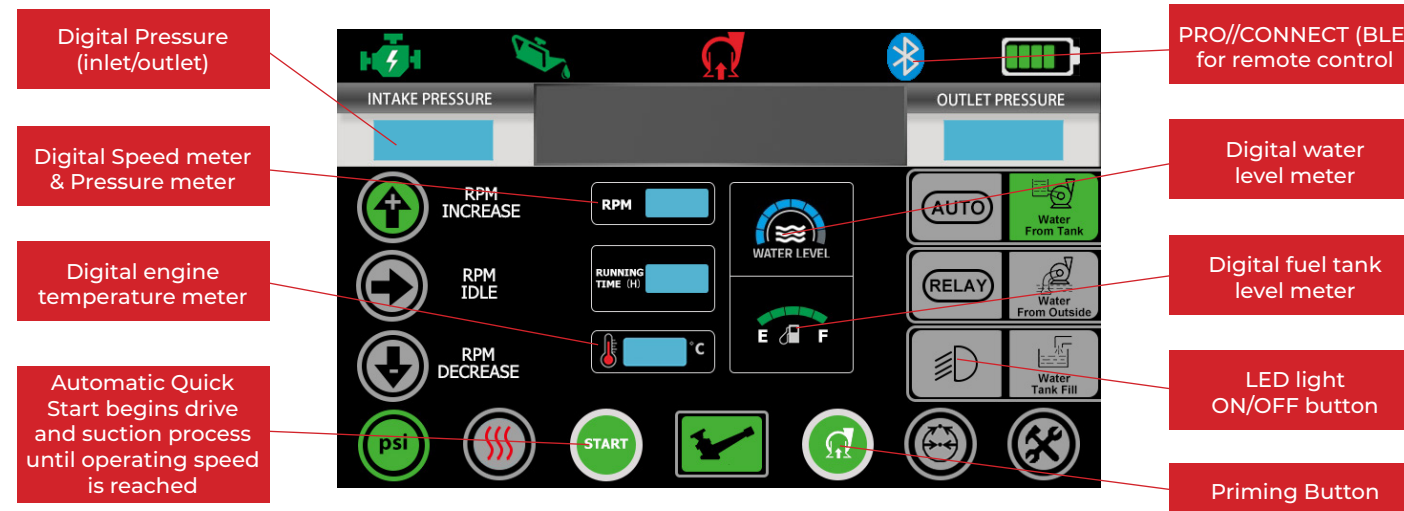
### Enter NOMAD Pump Modules

Wildland fire pumps designed for the 21st century. Each pump comes equipped with standard **Vehicle as a Node (VaaN)** technology, providing remote connectivity and diagnostics through a Starlink-compatible eSIM that interfaces seamlessly with **PRO//connect's Fleet Command** software. This integration ensures that decision-makers have access to real-time data, enabling more effective and coordinated responses in the field.

NOMAD Pump Modules represent the next evolution in firefighting technology—empowering crews with the tools they need to face the challenges of today's wildfires with confidence and precision.



## CONTROL PANEL



### ADDITIONAL CONTROL PANEL FEATURES:

- 7" Self-illuminating color display with glove-compatible operation and intuitive, icon-driven user interface
- Power ON/OFF button
- Engine ON/OFF button
- Message & Fault Display
- Engine, pump Vacuum, LED, BLE, Battery, Maintenance working indicators
- Digital pressure selection
- Digital engine heat
- Digital PDR
- Digital maintenance warning & cancel
- Tank fill button
- AUTO button
- RELAY button

### OPERATIONAL FEATURES:

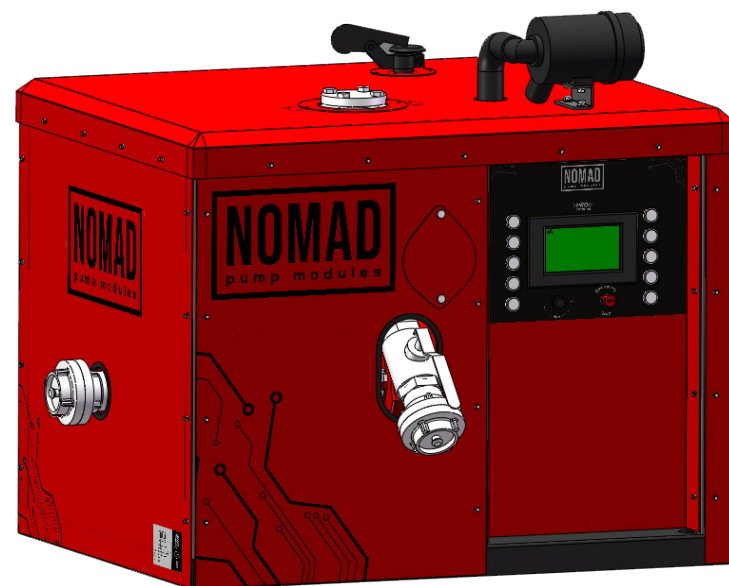
- Pump Pressure Control as standard, adjustable target pressure, pressure unit switchable (Bar or Psi)
- Pre-selection buttons: 2/4/6/8 bar (19/58/87/116 psi), can be reset on PDR screen
- Over Temperature protection (The engine will power off automatically once the temperature reached protection level)
- Manual priming option: start engine first, then push the button to do priming.
- With "Relay" function the engine will adjust its RPM to control the inlet pressure (<4bar)
- Dry running monitoring with automatic shutdown (Relay mode)
- Battery charging connector
- Speed +, - and idle integrated Knob
- Physical Emergency Stop button

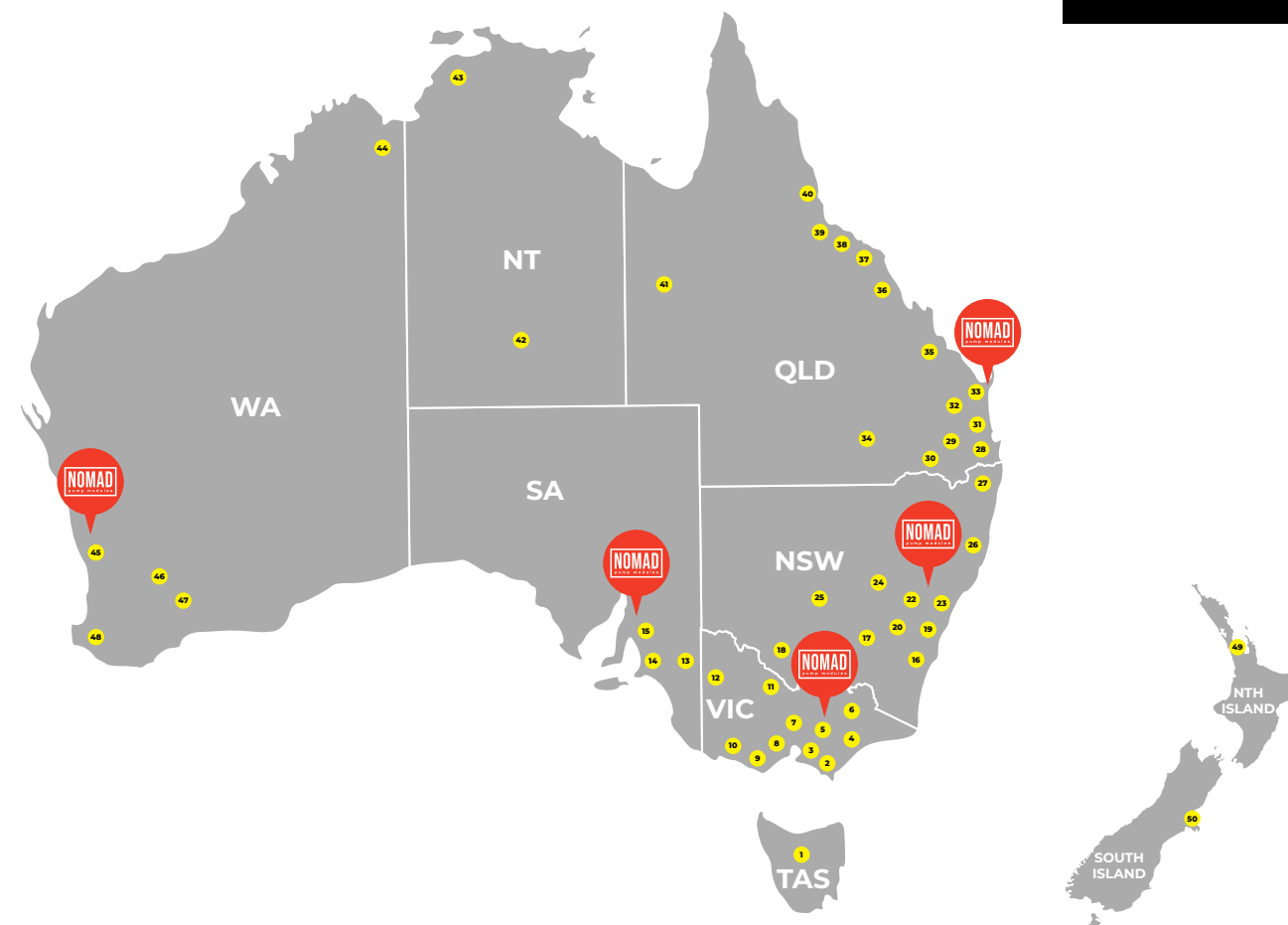
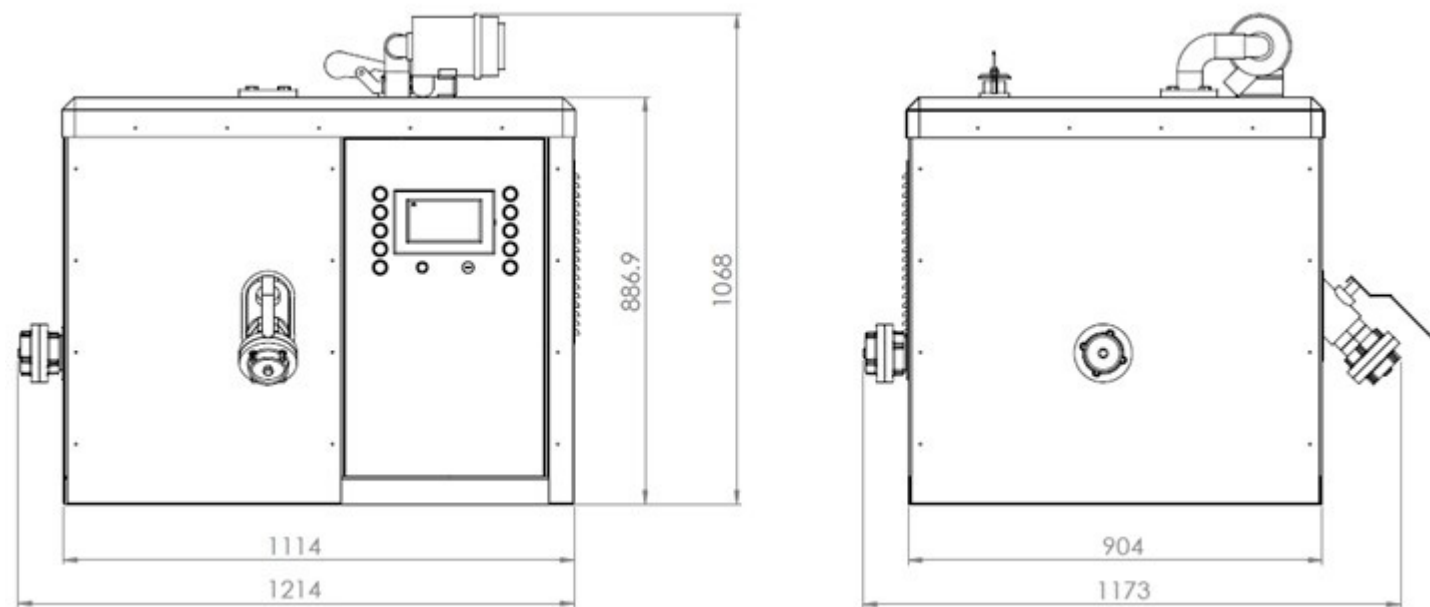
### Key Features:

- **Modular Design:** Easy integration with various vehicle types and configurations.
- **High-Performance Pumps:** Efficient water delivery with minimal maintenance.
- **Smart Controls:** Intuitive interfaces that simplify complex operations.
- **Comprehensive Connectivity:** Standard local and remote connectivity for real-time control and diagnostics.
- **Durability:** Constructed to endure extreme environments and heavy use.
- **Ease of Use:** Simple controls and quick setup for rapid response.

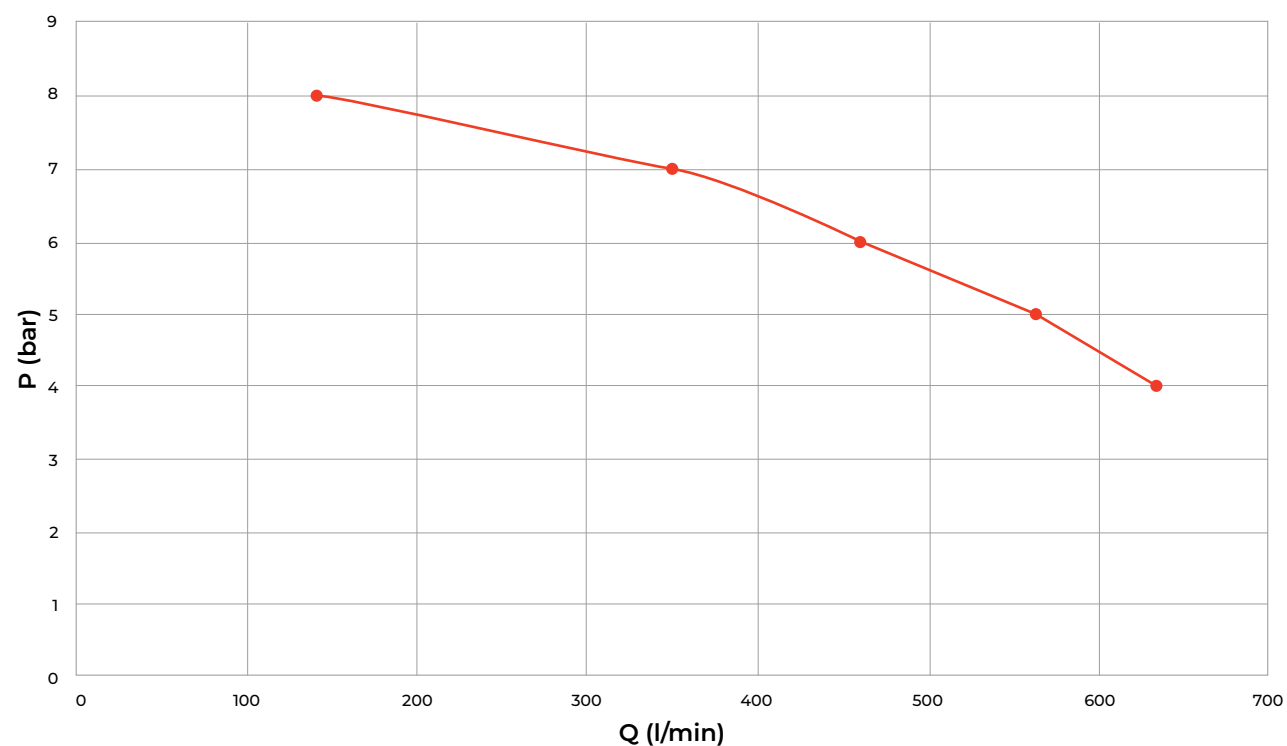
### Applications:

- Wildland firefighting
- Forestry management
- Remote water delivery in challenging terrains





### P5Xd Performance Curve



—●— P5Xd Performance Curve

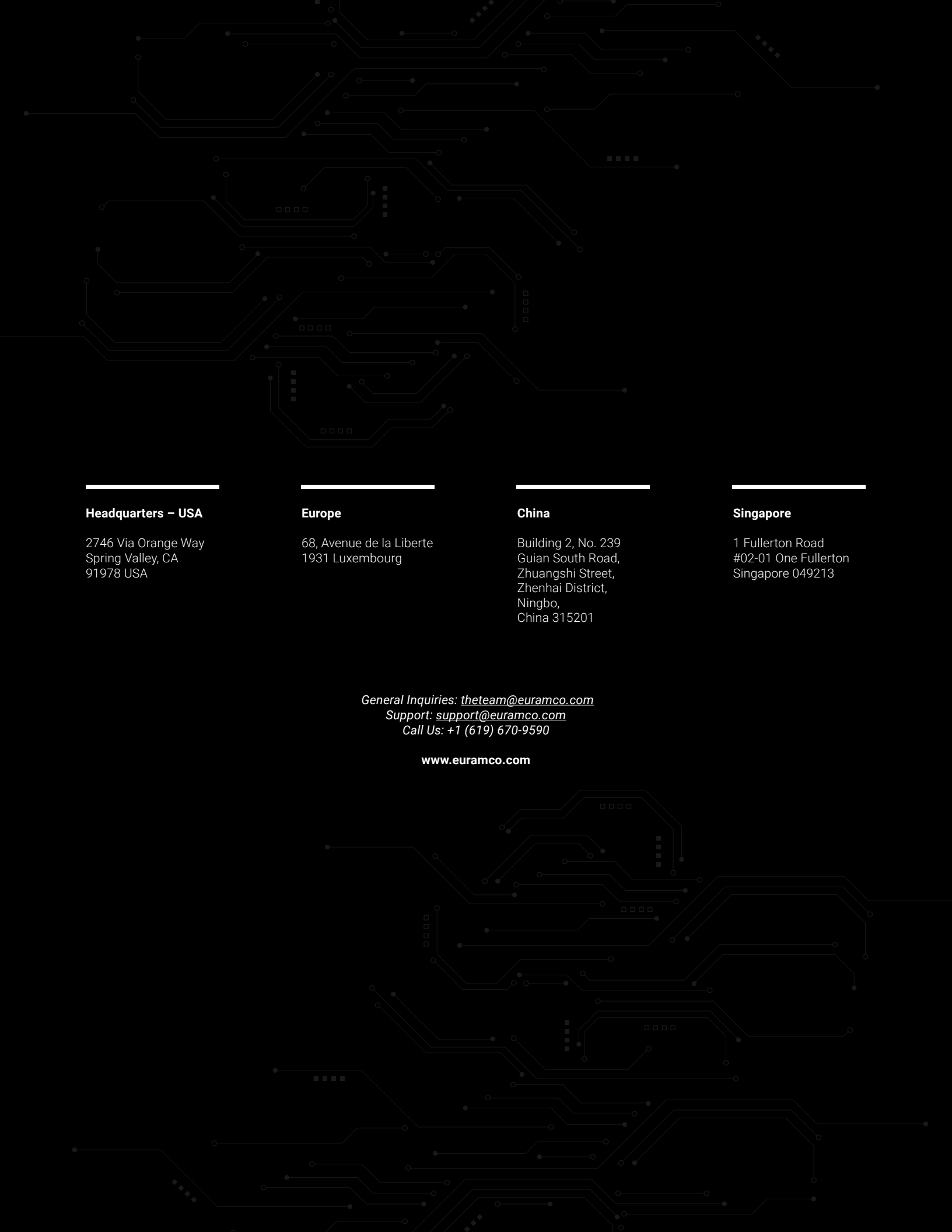
### Full Service Locations

**NOMAD** Perth, Adelaide, Melbourne, Sydney, and Brisbane  
(In partnership with FRSA)



### Engine Service Locations

- |                   |                |                  |                     |
|-------------------|----------------|------------------|---------------------|
| <b>TAS</b>        | <b>SA</b>      | <b>QLD</b>       | <b>NORTH ISLAND</b> |
| 1 Launceston      | 13 Summertown  | 25 Forbes        | 49 Pukekohe         |
| <b>VIC</b>        | 14 Gepps Cross | 26 Coffs Harbour | <b>SOUTH ISLAND</b> |
| 1 Braeside        | 15 Wingfield   | 27 Lismore       | 49 Christchurch     |
| 3 South Melbourne | <b>NSW</b>     | <b>QLD</b>       |                     |
| 4 Lilydale        | 16 Bowral      | 28 Nerang        |                     |
| 5 Yarra Glen      | 17 Kings Park  | 29 Salisbury     |                     |
| 6 Shepparton      | 18 Griffith    | 30 Sumner Park   |                     |
| 7 Epsom           | 19 Revesby     | 31 Hamilton      |                     |
| 8 Rockbank        | 20 Dural       | 32 Brendale      |                     |
| 9 Colac           | 21 Hexham      | 33 Nambour       |                     |
| 10 Warrnambool    | 22 Minchinbury | 34 Toowoomba     |                     |
| 11 Swan Hill      | 23 Taree       | 35 Rockhampton   |                     |
| 12 Mildura        | 24 Bathurst    | 36 Mackay        |                     |
|                   |                | 37 Tully         |                     |
|                   |                | <b>NT</b>        |                     |
|                   |                | 42 Alice Springs |                     |
|                   |                | 43 Winnellie     |                     |
|                   |                | <b>WA</b>        |                     |
|                   |                | 44 Kununurra     |                     |
|                   |                | 45 Wangara       |                     |
|                   |                | 46 Kewdale       |                     |
|                   |                | 47 Kenwick       |                     |
|                   |                | 48 Busselton     |                     |



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