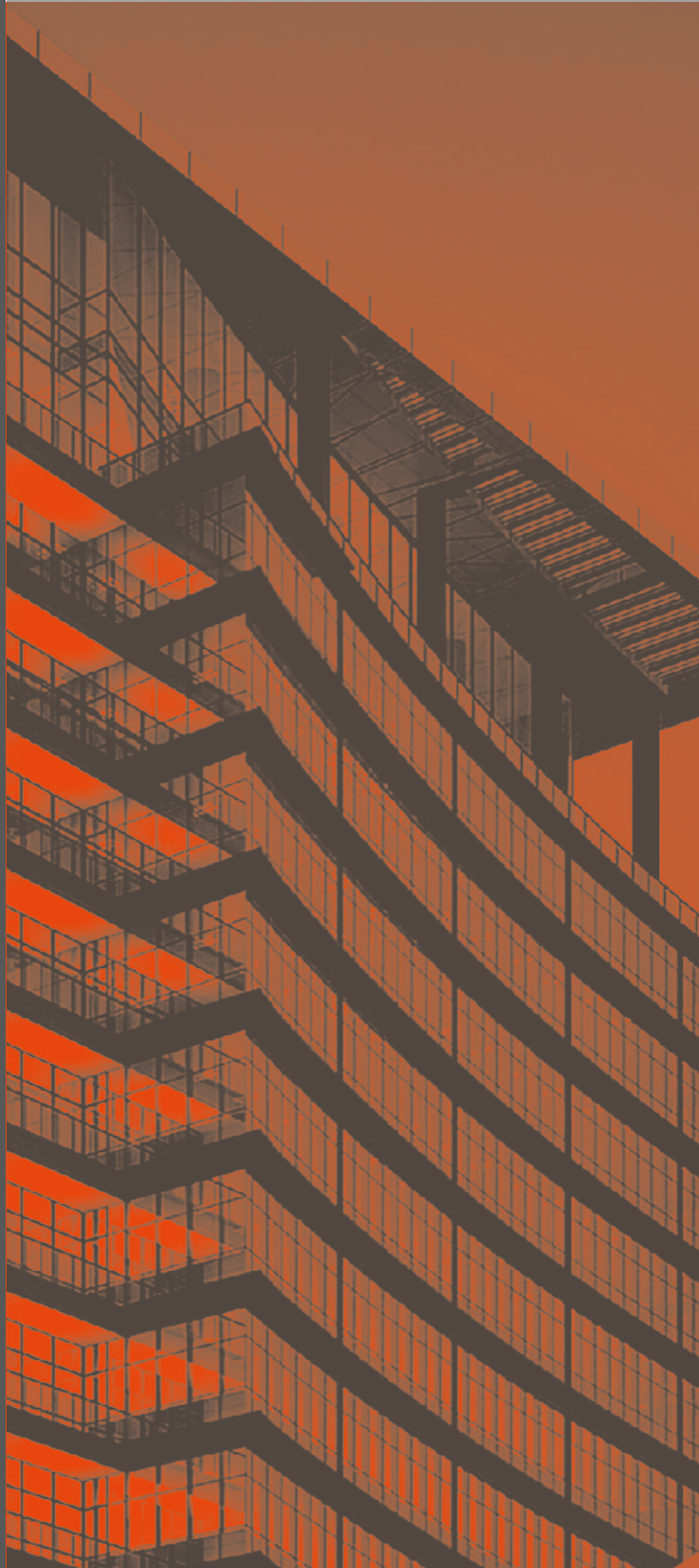




**GLOBAL
POWER
SOLUTIONS**





TAFE POWER

Celebrating a remarkable journey of excellence, TAFE proudly presents its latest product range for global markets - TAFE POWER. With a heritage of six decades and unparalleled mastery in crafting cutting-edge diesel engines for the Indian subcontinent, the dawn of TAFE POWER marks a new era. Unveiling a triumphant fusion of tradition and innovation, TAFE POWER Diesel Generators and Engines now traverse across continents - from Asia to Africa, Europe to Australia, and the Americas. TAFE's legacy, fortified by the prowess of its subsidiary TAFE Motors and Tractors Limited (TMTL), stands as a pioneering force in India's diesel engine manufacturing landscape. Rooted in European engineering, TMTL Engines reign as the prime choice across diverse applications like tractors, power generation, construction, agriculture, marine, and firefighting.

Partnered with global stalwarts such as Ricardo Consulting (UK), AVL (Austria), Sisu Diesel, and Valtra (Finland), TAFE continues to shape innovation. Engineered for superior performance, TAFE POWER Diesel Generators signify economic efficiency, remarkable fuel performance, and unbeatable value. Each product upholds stringent safety standards while remaining adaptable to diverse applications and specific needs. Welcome to the future of power with TAFE POWER - setting new standards of reliability, efficiency, and excellence.



WHY TAFE POWER?

Decades of Engineering Excellence: With a remarkable legacy of over 65 years, TAFE is a beacon of manufacturing prowess and engineering finesse.

Unrivaled International Quality: Elevate your expectations with products that blend safety and customizability seamlessly, setting new standards for excellence.

Endorsed by Millions: Join a league of more than 1 million satisfied users who have experienced the pinnacle of performance with TAFE POWER.

Masters of Engine Expertise: Our profound understanding of Engines and Diesel Generators business ensures that every product resonates with precision and power.

Market Leadership and Dominance: As a market leader in India and a dominant force in the telecom industry, our generators stand tall as a symbol of trust and innovation.

Global Networks and Alliances: With a footprint across 100+ countries, our expertise in building and managing global networks and alliances is your passport to seamless solutions.

Excellence Through Principles: Operating on the bedrock of TQM, TPM, SGA, and Kaizen, we craft products that transcend boundaries and embrace global benchmarks.

Setting Global Standards: Our commitment to quality and productivity is unwavering, ensuring that every TAFE POWER product redefines global excellence.

Service Beyond Compare: Experience the gold standard of after-sales support, setting a new paradigm for best-in-class service that you can rely on.

KEY ADVANTAGES

Embracing Global Tech: We bring you the power of international technology, fusing innovation and excellence to redefine your experience.

Owning Made Affordable: Unlocking a world of possibilities, our products boast a low cost of ownership, empowering you to seize the future without compromise.

Endurance, Extended: With extended service intervals, we ensure your journey remains uninterrupted, saving you time and elevating your peace of mind.

Service Elevated: Elevate your expectations with our best-in-class service support, a testament to our commitment to your satisfaction.

Affordability in Every Part: Navigating excellence is now affordable with our range, featuring competitively priced spare parts without sacrificing quality.

Efficiency Redefined: Fuel your aspirations with products designed for high fuel efficiency, making every venture a journey of success.

Built to Brave: Our rugged build quality empowers you to conquer challenges with confidence, no matter where your path leads.

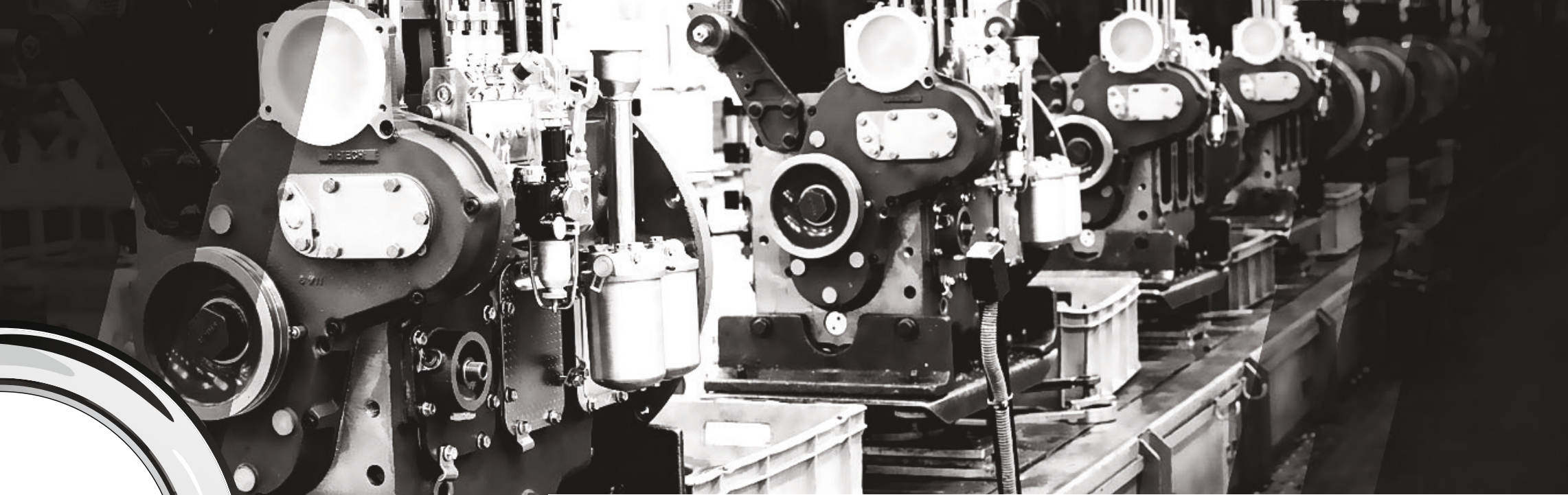
Reliability Beyond Measure: Unleash the power of unmatched reliability, crafting a bond that guarantees your investment is secured for years to come.

Simplicity in Maintenance: Ease meets excellence as we create products that are not only powerful but also easy to maintain, giving you more time to chase your dreams.

Your Vision, Your Product: Tailoring excellence to your needs, our products are customizable to meet your unique requirements, ensuring your success is boundless.

CUSTOM OPTIONS

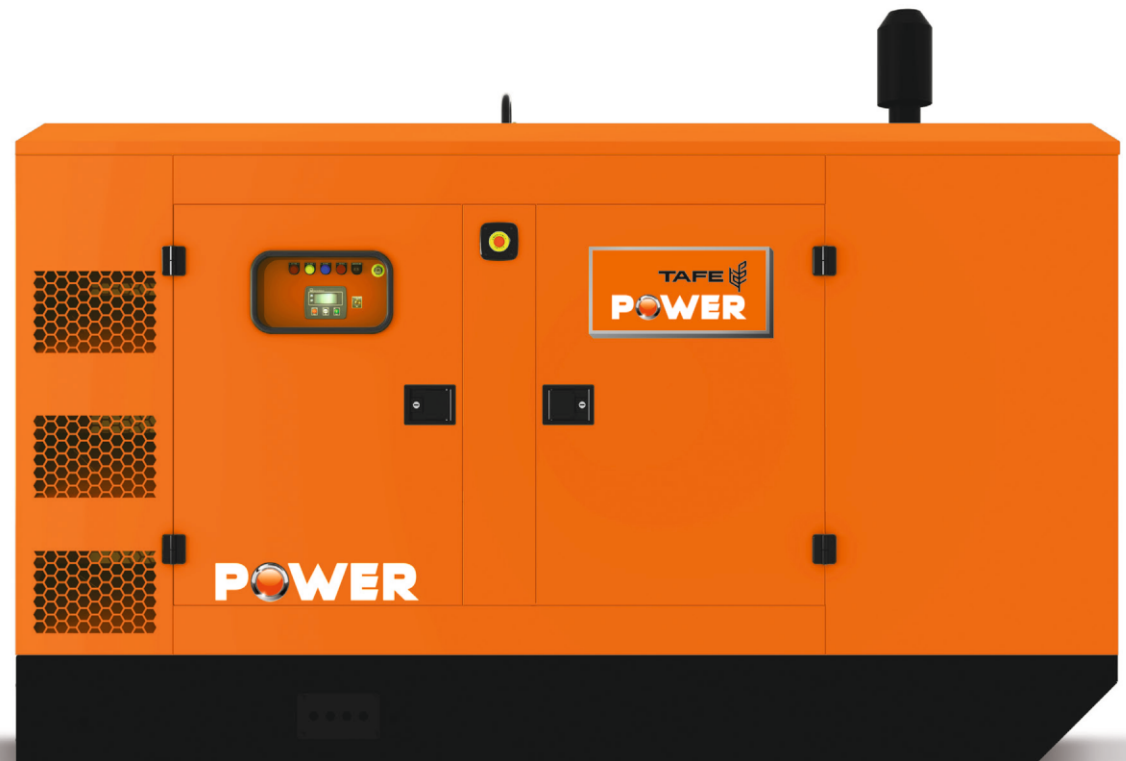
- Special control panel options
- Super silent option (≤ 65 db)
- Fuel tank size options
- Ready-to-use (RTU) diesel generator set
- Custom made options for telecom industry



DIESEL GENERATORS

Known for quality, technology and reliability, TAFE POWER Diesel Generators have low operational expenses, high fuel efficiency and offer superior value for money. They are safe, highly customizable and can be built based on the application and customer requirements. TMTL is one of the fastest growing businesses in the Indian industry, with a dominant market share in the telecom segment.

*Product images and illustrations are for representation purposes only. Actual product colors and specifications may vary.



OUR LEGACY

Discover the Power of TAFE: Elevating Agriculture Globally

Headquartered in Chennai, India, Tractors and Farm Equipment Limited (TAFE) shines as a symbol of excellence in the global agriculture machinery landscape. With a remarkable annual turnover exceeding US \$1.5 billion, we are not just a brand but a force that propels progress. As the world's third-largest tractor manufacturer by volume and a leading exporter of tractors from India, TAFE has nurtured farms, institutions, enterprises, and infrastructure projects with our extensive range of top-tier products and services.

Diversity Meets Distinction: TAFE is not just a tractor major; we are a multi-brand, multi-business conglomerate that leaves its mark across industries. From farm machinery, diesel engines, and generators to agriculture engines, engineering plastics, gears, and more, our diverse interests are united by one principle – excellence. We power possibilities and build dreams, forging a legacy that resonates with quality and cost-efficiency.

A Trusted Name, a Global Reach: Backed by visionary leadership, TAFE has earned the trust of millions through products that define reliability and excellence. With a robust global distribution network, we stand true to our promise of unparalleled service and support.

Shining with Awards and Accolades: Our commitment to quality has earned us accolades that mirror our dedication. Recipients of the Engineering Export Promotion Council's Star Performer Award for an exceptional 21 years running, we are champions of engineering exports. Our journey is marked by awards for TPM excellence from the Japan Institute of Plant Maintenance, Frost & Sullivan's Global Manufacturing Leadership Award, and more, positioning us as leaders in integration, technology, and supply chain prowess.

TAFE Motors and Tractors Limited (TMTL): Powering the Future

TMTL, our wholly-owned subsidiary, embodies a heritage of over 65 years of crafting air-cooled and liquid-cooled diesel engines for both stationary and automotive applications. With a footprint that spans industries such as retail, agriculture, telecom, and industry, TMTL's engines and generators showcase a fusion of quality, technology, and sustainability. With an impressive base of over 1 million satisfied customers, TMTL's engines are synonymous with low emissions, minimal carbon footprint, and undeniable value.

A Decade of Unparalleled Growth: With a staggering 700% volume growth in the last decade, TMTL has emerged as one of India's fastest-growing engine manufacturers, asserting dominance in the telecom sector.

Awards that Speak Volumes: TMTL's excellence is etched in awards such as The Most Admired Company of the Year (2021) and Outstanding Diesel Generators Brand of the Year (2019). We are a brand that garners admiration and recognition, a testament to our unwavering commitment.

TMTL's Path to Excellence: Guided by principles of quality and productivity, TMTL employs tools like TQM, TPM, SGA, and Kaizen, ensuring every creation surpasses global standards.

Join us on a journey that promises more than products – progress, empowerment, and a future powered by excellence. Welcome to the realm of TAFE POWER, where innovation meets impact.

TECHNICAL SPECIFICATION

	5 kVA	7.5 kVA	10 kVA	15 kVA	20 kVA
Model	TAF-P-5A	TAF-P-7.5A	TAF-P-10A	TAF-P-15A	TAF-P-20A
Power	5 kVA	7.5 kVA	10 kVA	15 kVA	20 kVA
Duty	Prime	Prime	Prime	Prime	Prime
Control Panel	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution
Acoustic Insulation	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam
Dimensions : Length	1500 mm	1500 mm	1800 mm	1800 mm	1800 mm
Breadth	850 mm	850 mm	900 mm	900 mm	900 mm
Height	1385 mm	1385 mm	1485 mm	1385 mm	1385 mm
Fuel Tank Capacity	50 L	50 L	65 L	80 L	80 L
Weight	715 kg	715 kg	940 kg	950 kg	950 kg
ENGINE					
Engine Manufacturer	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited
Engine Brand	TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER
Engine Model	198 ES-GEN-EXP	198 ES-GEN-EXP	222 ES-GEN-EXP	322 ES-GEN-EXP	323 ES-GEN-EXP
Cylinders	1	1	1	2	2
Aspiration	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated
Engine BHP (gross)	11.5	11.5	18.7	25.1	25.7
Displacement	981 cc	981 cc	1557 cc	1963 cc	1963 cc
Compression Ratio	17:1	17:1	17.8:1	17:1	17:1
Type/Class of Governing	Mechanical / A1	Mechanical / A1	Mechanical / A1	Mechanical / A1	Mechanical / A1
Bore x Stroke	100 x 125 mm	100 x 125 mm	115 x 150 mm	100 x 125 mm	100 x 125 mm
Type of Cooling	Air Cooled	Air Cooled	Air Cooled	Air Cooled	Air Cooled
Lub Oil Sump Capacity (With Filters)	5	5	7.5	8	8
Engine Electrical System	12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC
ALTERNATOR					
Brand	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer
Phase	1 Phase / 3 Phase	1 Phase / 3 Phase	1 Phase / 3 Phase	1 Phase / 3 Phase	1 Phase / 3 Phase
Voltage	220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC
Power Alternator Type	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H
Power Factor	0.8 lag	0.8 lag	0.8 lag	0.8 lag	0.8 lag
Rated Speed / Frequency	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz

25 kVA	30-35 kVA	30 kVA	40-45 kVA	62.5 kVA	82.5 kVA	100 kVA	125 kVA
TAF-P-25A	TAF-P-30A / TAF-P-35A	TAF-P-30W	TAF-P-40W / TAF-P-45W	TAF-P-62.5W	TAF-P-82.5W	TAF-P-100W	TAF-P-125W
25 kVA	30-35 kVA	30 kVA	40-45 kVA	62.5 kVA	82.5 kVA	100 kVA	125 kVA
Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime
AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution	AMF / MCP / Customized Solution
PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam	PU FR - Acoustic Foam
2050 mm	2150 mm	2150 mm	2250 mm	2500 mm	3000 mm	3000 mm	3000 mm
900 mm	1000 mm	950 mm	1000 mm	1100 mm	1300 mm	1300 mm	1300 mm
1400 mm	1525 mm	1495 mm	1495 mm	1675 mm	1905 mm	1905 mm	1905 mm
100 L	100 L	80 L	100 L	125 L	250 L	250 L	250 L
1075 kg	1200 / 1225 kg	1200 kg	1300 / 1330 kg	1550 kg	2150 kg	2150 kg	2210 kg
TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited	TAFE Motors and Tractors Limited
TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER	TAFE POWER
422 ES-GEN-EXP	422TC-GEN-EXP	461 ES-GEN-EXP	621 ES-GEN-EXP	881 ES-GEN-EXP	1121 ES-GEN-EXP	1401 ES-GEN-EXP	1751 ES-GEN-EXP
3	3	3	3	3	4	4	4
Naturally Aspirated	Turbo Charged	Naturally Aspirated	Turbo Charged Inter-cooled	Turbo Charged Inter-cooled	Turbo Charged Inter-cooled	Turbo Charged Inter-cooled	Turbo Charged Inter-cooled
35.5	48.2	38.1	59.1	82.3	102	128	160
2945 cc	2945 cc	3298 cc	3298 cc	3298 cc	4910 cc	4910 cc	4910 cc
17:1	17:1	18.5:1	18.5:1	17:1	17:1	17:1	17:1
Mechanical / A1	Mechanical / A1	Mechanical / A1	Mechanical / A1	Mechanical / A1	Mechanical / A1	Mechanical / A1	Electronic / Isochronous
100 x 125 mm	100 x 125 mm	108 x 120 mm	108 x 120 mm	108 x 120 mm	108 x 134 mm	108 x 134 mm	108 x 134 mm
Air Cooled	Air Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
9.5	9.5	8.0	8	8	15	15	18
12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC	12 Volts DC
Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer	Stamford / Leroy Somer
1 Phase / 3 Phase	1 Phase / 3 Phase	1 Phase / 3 Phase	1 Phase / 3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC	220, 230, 240 V AC / 380, 400, 415 V AC	380, 400, 415 V AC	380, 400, 415 V AC	380, 400, 415 V AC	380, 400, 415 V AC
Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Single / Three Phase, Insulation Class H	Single Bearing, Brushless, Three Phase, Insulation Class H	Single Bearing, Brushless, Three Phase, Insulation Class H	Single Bearing, Brushless, Three Phase, Insulation Class H	Single Bearing, Brushless, Three Phase, Insulation Class H
0.8 lag	0.8 lag	0.8 lag	0.8 lag	0.8 lag	0.8 lag	0.8 lag	0.8 lag
1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz	1500 RPM, 50 Hz

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Genset Models with 1800 RPM rated speed and 60 Hz frequency also available

FEATURES & BENEFITS

ENGINE

Cutting edge technology	Best-in-class fuel efficiency Low maintenance Longer oil change period Longer overhauling period Highly economical
A1 governing	Quality of power No power fluctuation
High moment of inertia and torque	Best-in-class block loading capability Better performance at varying load
Individual blowers (Air-cooled range)	Even cooling of all cylinders Better efficiency
Turbocharger with intercooler	Better engine efficiency
Most reliable engines	Prime power rating available across range Most powerful engines in their class

ACOUSTIC ENCLOSURE

Fully automated powder coating process	Longer life All-weather-proof canopy
High density PU FR Foam Durable and efficient AVM pads	Thickest in its class Low noise and vibration level Super silent options available
Silencer inside the canopy	Better aesthetics Longer life of silencer
Compact size	Smaller footprint Suitable for rooftop installation
Large doors on both sides Drain provided for lube oil and fuel tank	Ease of maintenance
Unitary front and back panel Canopy with internal bolting Die cast Hinges with Studs Black Powder coated Slam Locks arrangement Provision for battery lock arrangement	Higher degree of safety Pilferage proof product Strong and sturdy
Central lifting arrangement Forklift pockets	Ease of logistics and handling