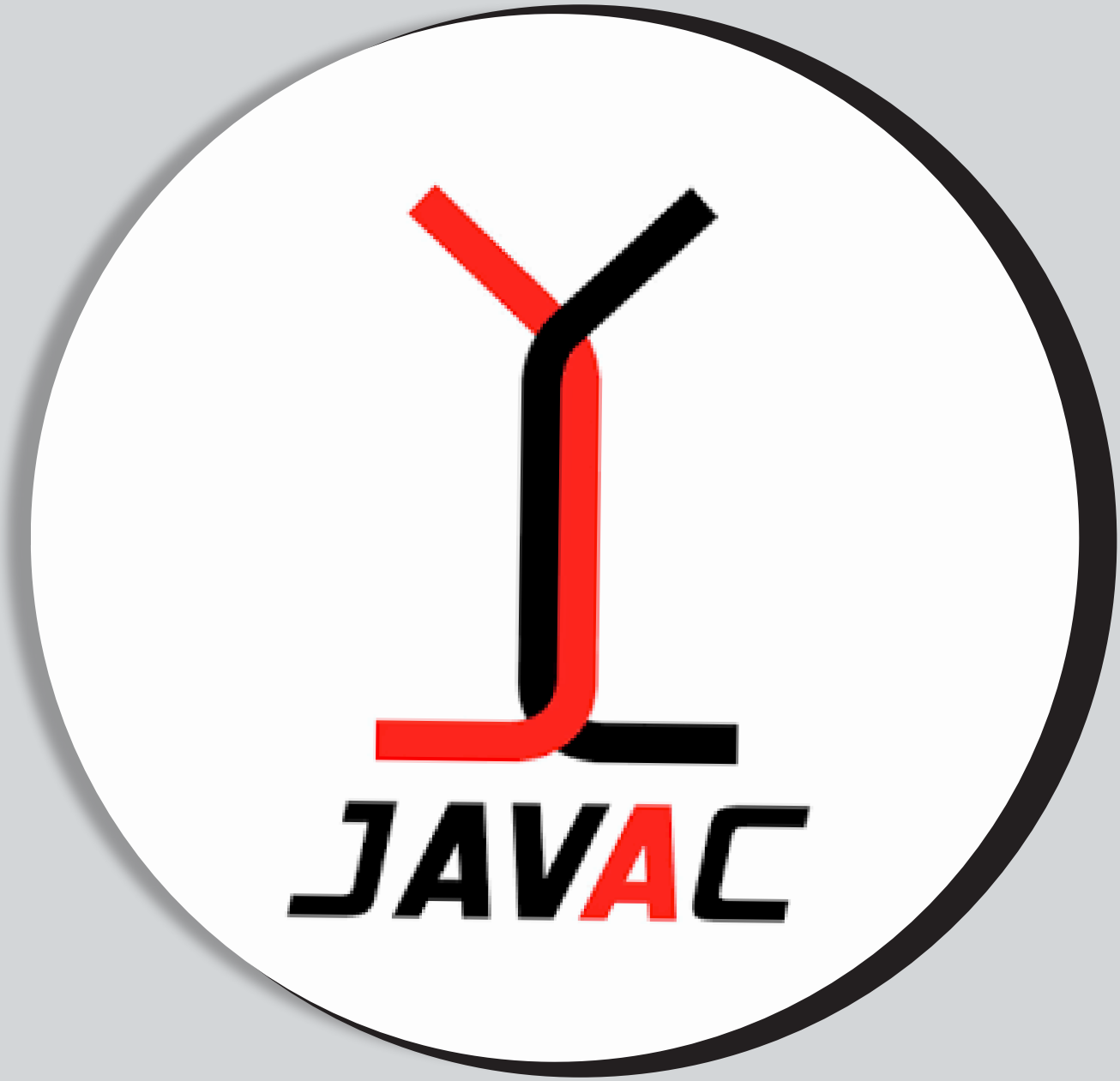
JAVAC

Affordable quality

2026

Catalogue



JAVAC

Introduction

Javac Power (Nanoweld Bvba) is the exclusive distributor in the Benelux and France. We focus on three product groups: compressed air (compressors and accessories), generators and generating sets, including our unique Nanomag technology. We also represent JAVAC GmbH welding machines and related technologies. Excellent value for money is always our key strength.

Continuous product optimisation secures our lasting position in the professional market. It even allows us to offer an unconditional warranty of at least five years on selected products. Our company is based in the Antwerp region, easily accessible from the Netherlands and close to the Port of Antwerp.

Our enthusiastic, skilled staff have more than 35 years of experience in sales and advice. Our technical team is ready to provide technical assistance and service.

We soon outgrew our first premises in Brasschaat. In 1999, a new building provided more efficient and ergonomic facilities. Javac Power works every day to minimise its environmental footprint; the 50 kW solar installation on our building is a good example.

We look forward to welcoming you to our company and hope to welcome you as a customer soon.



JAVAC

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Screw compressors

PMG Combi - VSD+

The PMG Combi screw compressor is the ideal choice for businesses seeking an affordable, stable and energy-efficient production process. Ultra-clean, dry compressed air, advanced PM/VSD technology and high-quality filtration ensure consistent air quality with exceptionally low energy consumption. The result is a reliable complete solution that delivers optimum performance, lower operating costs and maximum continuity in any professional environment.



Features

- PM motor achieves the highest efficiency class: DIN IE5+
- Oil-cooled motor with IP66 protection against dust and moisture
- Thermostatic valve greatly reduces condensation
- Motor runs freely in a magnetic field for less friction
- Direct 1:1 motor-to-air-end coupling eliminates transmission losses
- Proven energy savings of up to 50%
- High specific air output
- Complies with the EMC Directive (89/336/EE2)

Model	PMG-C7.5	PMG-C10	PMG-C15	PMG-C20	PMG-C30
Power (hp)	7.5 (5 kW)	10 (7.5 kW)	15 (11 kW)	20 (15 kW)	30 (22 kW)
Voltage (V)	400	400	400	400	400
Frequency (Hz)	50	50	50	50	50
Tank capacity (L)	270	360	500	500	500
Pressure (bar)	8-10	8-10	8-10	8-10	8-10
Airflow (L/min)	700	1050	1800	2150	3400
Phases	3-phase	3-phase	3-phase	3-phase	3-phase
Dimensions (LxWxH)	1500x790x1565mm	1650x790x1660mm	1900x880x1740mm	1900x880x1740 mm	1900x970x1840 mm
Weight (kg)	270	330	520	520	640

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More options are available on request:

Contact info@javac.be or call +32 (0) 3 666 44 17. We are happy to help.

Screw compressors

PMG Stand-Alone

A variable speed drive (VSD) screw compressor automatically adjusts its speed to match compressed-air demand in real time.
VSD/PM screw compressors are designed for applications with fluctuating compressed-air consumption, adapting output to the flow required by air users in different processes.

Features

- Compact design available from 10 to 300 hp
- PM motor achieves DIN IE5+ efficiency
- Oil-cooled motor with IP66 protection against dust and moisture
- Thermostatic valve greatly reduces condensation
- Accessible component layout reduces maintenance costs
- Motor runs freely in a magnetic field for less friction
- Direct 1:1 motor-to-air-end coupling eliminates transmission losses
- Vertical, ultra-compact assembly
- Speed range: 800 to 3000 rpm
- Temperature-controlled fan limits heat losses
- Minimised pressure drops
- Proven energy savings of up to 50%
- High specific air output
- Optional heat exchanger for greater sustainability
- Complies with the EMC Directive (89/336/EE2)



Model	PMG-7.5	PMG-10	PMG-15	PMG-20	PMG-30
Power (hp)	7.5 (5.5 kW)	10 (7.5 kW)	15 (11 kW)	20 (15 kW)	30 (22 kW)
Voltage (V)	380	380	380	380	380
Frequency (Hz)	50	50	50	50	50
Pressure (bar)	10	10	10	10	10
Airflow (L/min)	700	1050	1650	2150	3200
Phases	3	3	3	3	3
Dimensions (LxWxH)	900x650x950mm	900x650x950mm	900x750x1030mm	900x750x1030mm	1150x890x1160mm
Weight (kg)	200	200	300	380	480

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Screw compressors

PMG-10/ECO/SA

Our automotive screw compressors operate at a low speed of 3000 rpm, resulting in less noise, less heat and a significantly longer service life. Their robust, maintenance-friendly design, easily accessible components and clear LED control panel make them quick to deploy and efficient to use. High net output per horsepower and close matching to actual air demand make them a durable, well-considered investment for any business.

Features

- 10 HP - 1000 L/MIN
- Highly attractive pricing
- Oversized screw air end
- Low noise levels
- Industrial design for intensive use
- Compact, space-saving construction
- Low maintenance costs

Model	PMG-10/ECO/SA
Power (kW)	7.5
Voltage (V)	380
Frequency (Hz)	50
Capacity (L/min)	920
Pressure (bar)	10
Dimensions (LxWxH)	650x630x800mm
Weight (kg)	110



Screw compressors

PMG Combi - VSD+ Laser 16

For laser cutting, Javac offers a specialised 16-bar compressed-air range developed as a complete, economical alternative to nitrogen. Advanced filtration down to 0.001 ?m and residual oil content of only 0.003 ppm deliver exceptionally clean, dry air.

This 16-bar technology allows up to 80-90% of common laser-cutting operations to be carried out without nitrogen. Higher working pressure also enables faster cutting, increasing productivity by approximately 10-20%. The laser installation remains protected: the compressed air does not adversely affect mirrors, lenses or nozzles.

Suitable for cutting materials up to approximately 4 mm thick, the 16-bar range combines technical reliability with substantial cost savings, making it a highly cost-effective choice for professional laser-cutting businesses.



Model	PMG-C20 Laser 16	PMG-C30 Laser 16
Power (hp)	20 (15 kW)	30 (22 kW)
Voltage (V)	380	400
Frequency (Hz)	50	50
Tank capacity (L)	500	500
Pressure (bar)	16	16
Airflow (L/min)	1230	2200
Phases	3-phase	3-phase
Dimensions (LxWxH)	1950x950x1710mm	1900x970x1840mm
Weight (kg)	690	640

Features

- Compact design available from 15 to 30 hp
- 16-bar working pressure, including laser cutting with compressed air
- PM motor achieves DIN IE5+ efficiency
- Oil-cooled motor with IP66 protection against dust and moisture
- Thermostatic valve greatly reduces condensation
- Accessible components reduce maintenance costs
- Motor runs freely in a magnetic field for less friction
- Direct 1:1 motor-to-air-end coupling eliminates transmission losses
- Speed range: 800 to 3000 rpm
- Temperature-controlled fan limits heat losses
- Minimised pressure drops
- Proven energy savings of up to 50%
- High specific air output
- PLC controller with internet connectivity
- Optional heat exchanger for greater sustainability
- Complies with the EMC Directive (89/336/EE2)

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Scroll compressor

SRL-OLV Series - Oil-free

Completely oil-free compressed air is a specific requirement in the following production processes.

- Pharmaceutical industry
- Food and beverage production
- Special food-handling equipment
- Packaging and PET bottles
- Medical laboratories
- Chemical industry
- Laser equipment
- Industrial painting / spray painting





Features

- Class 0
Delivers Class 0 compressed air (clean, pure air).

- Automatic system
The compressor stops automatically when the set pressure is reached, avoiding unnecessary energy use.

- High-quality scroll rotor
The air-cooled scroll rotor offers greater durability, consistent quality and high performance.

- Innovative design
A more compact cabinet saves space, while fully opening side panels make maintenance easy.

- Intelligent controller
A larger controller monitors operating conditions, including alarms, scheduled maintenance information and real-time operating status.

- Advanced cooling and pipework
A larger cooler improves machine performance. Aluminium pipework and an enlarged vertical check valve improve reliability and ensure a high-quality compressed-air supply.

Model	Power		Pressure		Airflow		Drive	Weight	Dimensions
	kW	hp	bar	psi	L/min	cfm		kg	LxWxH (mm)
SRL-OLV-5	3.7	5	8	116	400	14.2	Belt Driven	133	600x700x820
			10	145	360	12.7			
SRL-OLV-10	7.5	10	8	116	800	28.3		375	940x680x930
			10	145	720	25.5			
SRL-OLV-15	11	15	8	116	1200	42.4		515	1060x680x1335
			10	145	1080	38.2			
SRL-OLV-20	15	20	8	116	1600	56.5		580	1060x680x1820
			10	145	1440	51.0			

Piston compressors

TX Series

Our professional X-series piston compressors deliver durable, high-quality compressed air for every workshop. Slow-running V-type cast-iron pumps, copper pipework and optimum cooling provide high air output with minimal heat generation and exceptional reliability. Available in electric, petrol, diesel and low-noise configurations, they are built for intensive, prolonged use. JAVAC means quality, safety and a compressor that handles professional workloads with ease.

Features

- Slow-running cast-steel pump for durable, efficient operation
- Thick-walled, corrosion-resistant receiver for a long service life
- Intermediate buffer limits peak loads and starting surges
- Very quiet operation
- Optimised valves and cooling for high efficiency
- Finned air connections for effective heat dissipation
- Low compressed-air temperature rise minimises condensation
- Condensate drain at the bottom of the receiver
- Pressure regulator for adjustable working pressure
- Safety valves and reliable controls, including a Condor pressure switch
- V-belt-driven compressor pump
- Quiet operation with low noise emissions
- Five-year factory warranty with correct maintenance
- Designed for prolonged professional use









Model	TX-3	TX-3-BIS	TX-4	TX-5
Power (hp)	4 (3kW)	2*4 (2*3 kW)	4 (3 kW)	5.5 (4 kW)
Voltage (V)	230	230	230/400	230/400
Frequency (Hz)	50	50	50	50
Pressure (bar)	10	10	10	10
Airflow (L/min)	400	800	450	550
Tank capacity (L)	100	150	100	200
Dimensions (LxWxH)	1080x420x840mm	1430x420x840 mm	1140x480x860 mm	1460x460x1020mm
Weight (kg)	120	210	125	189

Piston compressors

VX Series

The piston compressor is the oldest and most widely used industrial compressor. Your workshop needs high-quality compressed air to perform well, making our premium professional compressors a natural choice. Our X-series compressors comfortably keep pace with the demands, workloads and requirements of a professional workshop, including prolonged use (30/70).

Features

- 14 bar, delta 12 bar for truck tyres
- Sufficient airflow for heavy-duty impact wrenches
- Low speed and acceptable noise levels
- Low starting voltage peaks (important since 2022)
- Can run for extended periods before overheating







Model	VX-7	VX-7V	VX-10
Power (hp)	7.5 (5.5 kW)	7.5 (5.5 kW)	10 (7.4 kW)
Voltage (V)	230/400	230/400	230/400
Frequency (Hz)	50	50	50
Pressure (bar)	14	14	14
Airflow (L/min)	690	712	980
Tank capacity (L)	290	270	290
Dimensions (LxWxH)	1700x640x1020mm	850x600x1730mm	1800x650x1020mm
Weight (kg)	296	290	325

Piston compressors

PTOF Series - Oil-free

The PTOF 1 is a professional, portable and compact site compressor with a working pressure of up to 10 bar. Lightweight, very quiet and oil-free, it is maintenance-free, durable and flexible enough for vertical or horizontal use. Its slow-running 1500 rpm motor ensures a long service life, making it ideal for professionals who need reliable compressed air on the move.

Features

- Compact, convenient site compressor
- Ideal for nail guns
- High output: 165 L/min
- Low speed: 1400 rpm
- Oil-free operation
- Compact construction
- High-quality, high-torque 230 V motor
- Thermal motor protection prevents overheating
- Fully automatic switching on and off
- Stepless pressure adjustment from 0 to 10 bar
- Working-pressure gauge
- Receiver-pressure gauge
- Stepless pressure regulator
- Automatic pressure switch
- Aluminium pressure pipe





Model	PTOF-1
Power (hp)	1-2
Voltage (V)	230
Working pressure (bar)	9
Max. pressure (bar)	12
Airflow (L/min)	165
Tank capacity (L)	5
Dimensions (LxWxH)	435x425x390mm
Weight (kg)	18.4

Piston compressors

PTOF Series - Oil-free

The PTOF 2 and 3 are professional, portable and compact site compressors with working pressures of up to 10 bar. Lightweight, very quiet and oil-free, they are maintenance-free, durable and suitable for vertical or horizontal use. Ideal for intensive site work by professionals who need reliable compressed air on the move.

Features

- Compact, convenient site compressor
- Ideal for nail guns
- High output: 250 L/min and 320 L/min
- Low speed: 1400 rpm
- Oil-free operation
- Compact construction
- High-quality, high-torque 230 V motor
- Thermal motor protection prevents overheating
- Fully automatic switching on and off
- Stepless pressure adjustment from 0 to 10 bar
- Working-pressure gauge
- Receiver-pressure gauge
- Stepless pressure regulator
- Automatic pressure switch
- Aluminium pressure pipe



Model	PTOF-2	PTOF-3
Power (hp)	3	3
Voltage (V)	230	230
Working pressure (bar)	10	10
Max. pressure (bar)	12	12
Airflow (L/min)	250	320
Tank capacity (L)	24	90
Dimensions (LxWxH)	430x490x1050mm	510x795x1150mm
Weight (kg)	32	54

Piston compressor

Low-noise compressor

Our slow-running, belt-driven piston compressors deliver high air output with minimal heat generation, providing high-quality air with low condensation and a long service life. Robust cast-iron construction, copper pipework and efficient cooling ensure maximum reliability, even in intensive use. Available in single- and two-stage versions (5.5-13 hp), with electric, petrol or diesel drive, and optionally in a low-noise enclosure on a 290-litre receiver. A five-year compressor-unit warranty is standard, subject to correct maintenance.

Features

- Slow-running compressor pump
- Heavy-duty construction and sturdy cabinet
- Standard 300-litre receiver
- Five-year factory warranty
- High air output
- Two-stage design for 12-bar working pressure
- A quieter workshop
- Extra-large fan for efficient heat dissipation
- Thick-walled receiver



Model	SL-5	TL-7	TL-10
Power (hp)	5.5 (4kW)	7.5 (5.5 kW)	10 (7.5 kW)
Voltage (V)	230/400	230/400	230/400
Frequency (Hz)	50	50	50
Pressure (bar)	10	12.5	12.5
Airflow (L/min)	480	600	800
Tank capacity (L)	300	300	300
Dimensions (LxWxH)	950x720x1650mm	950x750x1800mm	950x750x1800mm
Weight (kg)	275	325	325

Portable compressors

Engine-driven portable compressors

Our portable compressors are the solution for work without mains electricity. The compact, lightweight 50LP is ideal for roofers, service vehicles and on-site repairs. Its intelligent unloading system allows the engine to start without load and the compressor to run continuously during use.
For heavier applications, the VX-7D diesel compressor delivers maximum performance in a robust, compact design. Heavy-duty industrial construction and integrated lifting points make it ideal for construction sites, recovery vehicles and mobile workshops.

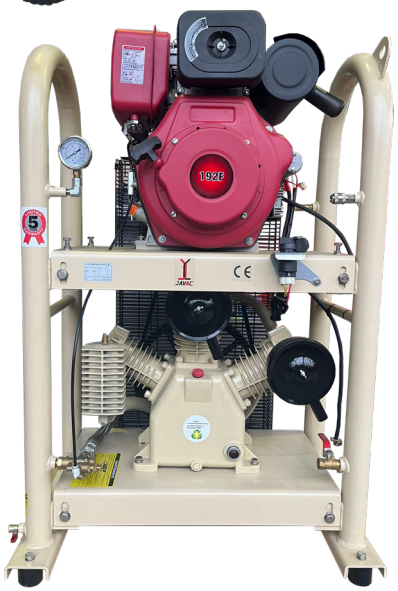
50LP features

- JAVAC OEM engine (Euro 2 emissions)
- Pneumatic throttle with idle-speed control
- Solid rubber wheels
- Pressure regulator with integrated moisture separator
- Lifting bracket for easy lifting and transport
- Protective tubular frame



VX-7D features

- Space-saving, more stable design
- 14 bar, delta 12 bar for truck tyres
- Sufficient airflow for heavy-duty impact wrenches
- 270-litre receiver: no annual inspection required
- Low speed and acceptable noise levels
- Low starting voltage peaks (important since 2022)
- Can run for extended periods before overheating



Model	50LP	VX-7D
Power (hp)	5.5 (4 kW)	13 (9.75 kW)
Voltage (V)	230/400	230/400
Working pressure (bar)	10	14
Speed (rpm)	3600	3600
Airflow (L/min)	480	712
Tank capacity (L)	50	270
Dimensions (LxWxH)	1000x485x880mm	790x530x1200mm
Weight (kg)	150	85

Portable diesel compressors

MDC Series

The portable diesel compressor with ISUZU engine delivers powerful, reliable compressed air wherever and whenever you need it. Robust construction, high efficiency and excellent mobility make it ideal for heavy industrial applications and smaller projects alike. Designed for outstanding performance in all conditions.

Features

- Compact, robust and portable
- Reliable ISUZU engine
- Versatile applications
- Simple plug-and-play connection
- Quick working-pressure adjustment
- Invest in quality and performance



Model	JCM2.8/7 bar	JCM3.4/7 bar	JCM3.7/7 bar	JCM5.4/7 bar	JCM7.8/7bar
Working pressure (bar)	7	7	7	7	7
Airflow (L/min)	2800	3400	3700	5400	7800
Motor	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu
Dimensions (LxWxH)	3066x1456x1587mm	3066x1456x1587mm	3066x1456x1587mm	3375x1610x1600mm	3530x1760x1850mm
Weight (kg)	900	900	900	1020	1380
Air outlet	2x3/4"	2x3/4"	2x3/4"	3x3/4"	2x3/4" + 1x1-1/4"

Compressed-air dryers

Refrigerated dryer

Refrigerated dryers are the most economical and widely used solution for drying compressed air in industrial installations. The Javac KM series efficiently removes moisture by cooling air to a 3 °C dew point, preventing condensation and damage to your compressed-air system. This ensures dry, reliable air and trouble-free operation at minimal cost.

Features

- Universal air dryer
- Pre-filter and after-filter for optimum operation
- Virtually silent
- Very low energy consumption
- Automatic condensate drain + 45 min
- Microcomputer control
- Automatic maintenance update
- Compact, lightweight construction
- Available for flows up to 140,000 L/min
- Maintenance-interval reset function





Model	Capacity (L/min)	Connection	Voltage (V/PH/Hz)	Input power (kW)	Rated current (A)	Fuse (A)	Pressure drop (mbar)	Max. pressure (bar)	Max. ambient temperature (°C)	Max. inlet temperature (°C)
KM-900	900	1/2"	230/1/50	0.31	1.7	8	260	16	45	50
KM-1200	1200	1/2"	230/1/50	0.32	1.7	8	270	16	45	50
KM-1800	1800	3/4"	230/1/50	0.36	1.8	8	120	16	45	50
KM-2200	2200	3/4"	230/1/50	0.48	1.9	8	140	16	45	50
KM-2600	2600	1"	230/1/50	0.54	3.1	8	200	16	45	50
KM-3100	3100	1"	230/1/50	0.60	3.1	8	300	16	45	50
KM-3700	3700	1"	230/1/50	0.75	3.6	8	210	16	45	50
KM-4500	4500	1"	230/1/50	0.95	5.3	8	270	16	45	50
KM-5500	5500	11/2"	230/1/50	1.01	5.5	16	220	16	45	50
KM-6500	6500	11/2"	230/1/50	1.15	6.1	16	280	16	45	50
KM-8500	8500	2"	230/1/50	1.95	8.5	16	220	16	45	50
KM-11000	11000	2"	400/3/50	2.35	7.2	16	170	16	45	50
KM-13000	13000	2"	400/3/50	2.50	8.3	16	150	16	45	50
KM-17000	17000	2"	400/3/50	2.8	7.2	16	180	16	45	50
KM-20000	20000	2"	400/3/50	3.2	8.6	16	150	16	45	50

Compressor

Air receivers

The hot-dip galvanised vertical air receiver is an essential part of an efficient compressed-air system. It stabilises pressure and flow fluctuations, meets peak demand and helps reduce energy consumption and extend compressor life. Its durable zinc coating provides excellent corrosion protection for demanding industrial applications.

Features

- High-quality vertical air receiver
- 270-litre version with electrostatically baked coating
- All receivers have an inspection handhole
- Working pressure: 11 to 40 bar
- Working temperature: -10 °C to +50 °C
- All fittings and connections supplied as standard
- Extra wall thickness for a long service life
- All safety certificates and CE marking
- Standard capacities: 270, 500 and 1000 litres; larger sizes on request
- Galvanised version: hot-dip galvanised inside and out
- Galvanised version: at least 50 years without rust



Model	Pressure	Capacity	Finish	Height	Thickness	Weight
JV270	16 bar	270 L	Painted/handhole	1600 mm	5 mm	115 kg
JV500		500 L	Hot-dip galvanised with handhole	2300 mm		195 kg
JV1000		1000 L				350 kg
APP270	Fitting kit with 2 flexible hoses, ball valves and pressure relief valve					
APP500	Fitting kit with 2 flexible hoses, ball valves and pressure relief valve					
APP1000	Fitting kit with 2 flexible hoses, ball valves and pressure relief valve					

Generators

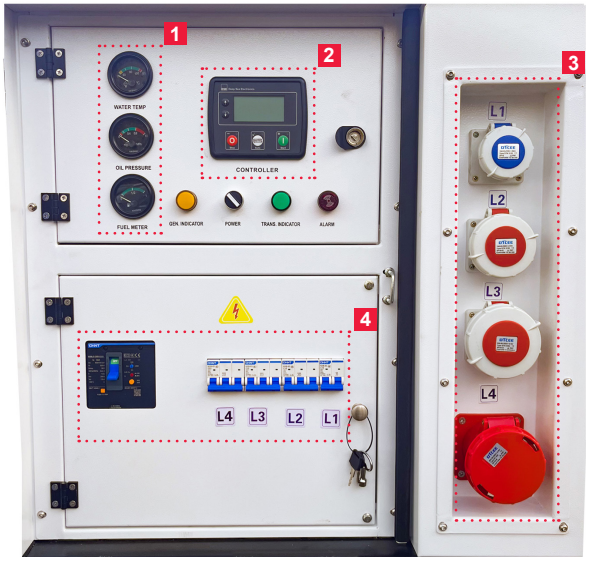
SL Series

The SL series supplies quiet, reliable power for construction, industry, off-grid and standby applications. Water-cooled 1500 rpm engines and Baudouin/Isuzu engines with AVR provide excellent voltage stability. The robust, low-noise enclosure is weather-resistant and easy to move. Deepsea controls and integrated protection ensure safe operation. Nanomag technology handles heavy peak loads. JAVAC Belgium offers fast service, stocked spare parts and 24/7 support.









Features

- Quiet, economical diesel generators
- Robust, weather-resistant enclosure for intensive site use and outdoor installation without a canopy
- High-quality copper alternator windings and Stamford AVR for stable voltage
- Water-cooled, speed-regulated 1500 rpm engines
- Integrated lifting eyes and forklift pockets
- Standard CEE sockets: 230 V and 5-pin 3N400 V
- Main residual-current circuit breaker with adjustable sensitivity
- Large double-wall fuel tanks available up to 2500 litres
- Ideal for off-grid systems, with remote start
- Three-way valve for an external tank

Number	Description
1	Analogue meter
2	ACS Controller
3	CEE sockets
4	Electrical protection

Generators

SL Series specifications

Model	SL15 single-phase	SL18	SL28	SL40	SL50
Prime power	15 kVA	18 kVA	28 kVA	40 kVA	50 kVA
Standby power	16.5 kVA	20 kVA	30 kVA	44 kVA	55 kVA
Voltage	230 V	400/230 V	400/230 V	400/230 V	400/230 V
Rated current	21.7 A	26 A	40 A	57.9 A	72.46 A
Speed	1500 rpm	1500 rpm	1500 rpm	1500 rpm	1500 rpm
Tank capacity	75 L	75 L	75 L	75 L	125 L
50% load	1.8 L/h	1.8 L/h	2.98 L/h	4.2 L/h	5.1 L/h
75% load	2.7 L/h	2.6 L/h	4.52 L/h	6.3 L/h	7.8 L/h
100% load	3.6 L/h	3.6 L/h	5.95 L/h	8.4 L/h	10.2 L/h
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Noise level	69 dB	69 dB	69 dB	69 dB	69 dB
Phases	1-phase	3+N	3+N	3+N	3+N
Dimensions (LxWxH)	2160x950x1140mm	2160x950x1140mm	2160x950x1140mm	2310x970x1130mm	2310x970x1130mm
Weight	730 kg	760 kg	800 kg	880kg	960 kg

Model	SL75	SL100	SL125	SL150	SL250
Prime power	75 kVA	100 kVA	125 kVA	150 kVA	250 kVA
Standby power	82.5 kVA	82.5 kVA	137.5 kVA	165 kVA	275 kVA
Voltage	400/230 V	400/230 V	400/230 V	400/230 V	400/230 V
Rated current	104.34 A	144.92 A	180.4 A	216.5 A	362.3 A
Speed	1500 rpm	1500 rpm	1500 rpm	1500 rpm	1500 rpm
Tank capacity	160 L	210 L	260 L	310 L	500 L
50% load	7.88 L/h	11 L/h	13 L/h	16 L/h	25 L/h
75% load	11.8 L/h	16.5 L/h	19.5 L/h	22.1 L/h	37.5 L/h
100% load	15.75 L/h	22 L/h	26 L/h	31.2 L/h	50 L/h
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Noise level	69 dB	69 dB	69 dB	69 dB	69 dB
Phases	3+N	3+N	3+N	3+N	3+N
Dimensions (LxWxH)	2610x1100x1180mm	2660x1100x1400mm	3010x1100x1750mm	3010x1100x1750mm	3610x1200x1980mm
Weight	1200 kg	1510 kg	1950 kg	2030 kg	2850 kg

Generators

ECO Series

Professional standby diesel generators for businesses, industry and critical applications

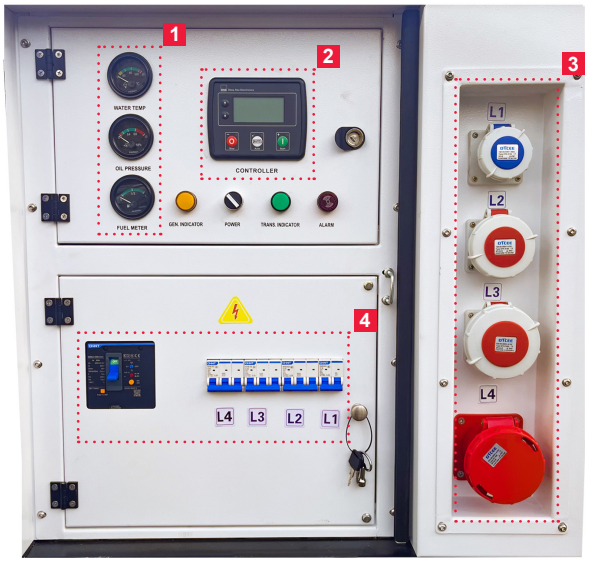
The JAVAC ECO standby-generator series is designed for users seeking stable, quiet and cost-effective backup power. These stationary diesel generators offer highly reliable backup during power failures, keeping your business or installation operational.

Robust technology, low maintenance costs and professional support make the ECO series one of the most affordable standby-power solutions available.









Features

- Cost-effective diesel generators
- Robust, weather-resistant enclosure for intensive site use and outdoor installation without a canopy
- High-quality copper alternator windings and Stamford AVR for stable voltage
- Water-cooled, speed-regulated 1500 rpm engines
- Integrated lifting eyes and forklift pockets
- Standard CEE sockets: 230 V and 5-pin 3N400 V
- Main residual-current circuit breaker with adjustable sensitivity
- Large double-wall fuel tanks available up to 2500 litres
- Ideal for standby power, with or without ATS and remote start
- Three-way valve for an external tank

Number	Description
1	Analogue meter
2	ACS Controller
3	CEE socket
4	Electrical protection

Generators

ECO Series specifications

Model	ECO40	ECO50	ECO75	ECO100
Prime power	40 kVA	50 kVA	75 kVA	100 kVA
Standby power	44 kVA	55 kVA	77 kVA	110 kVA
Voltage	400/230 V	400/230 V	400/230 V	400/230 V
Rated current	57.9 A	72.46 A	104.34 A	144.92 A
Speed	1500 rpm	1500 rpm	1500 rpm	1500 rpm
Tank capacity	75 L	75 L	125 L	220 L
50% load	4.2 L/h	5.25 L/h	8.25 L/h	10.5 L/h
75% load	6.3 L/h	7.88 L/h	12.4 L/h	15.8 L/h
100% load	8.4 L/h	10.5 L/h	16.5 L/h	21 L/h
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Noise level	75 dB	75 dB	75 dB	75 dB
Phases	3+N	3+N	3+N	3+N
Dimensions (LxWxH)	2310x970x1130mm	2310x970x1130mm	2610x1100x1180mm	2860x1100x1500mm
Weight	920 kg	960 kg	1090 kg	1610kg

Model	ECO125	ECO180	ECO250
Prime power	125 kVA	180 kVA	250 kVA
Standby power	137.5 kVA	198 kVA	275 kVA
Voltage	400/230 V	400/230 V	400/230 V
Rated current	180.4 A	259.8 A	362.3 A
Speed	1500 rpm	1500 rpm	1500 rpm
Tank capacity	280 L	380 L	500 L
50% load	13.6 L/h	18.75 L/h	25 L/h
75% load	20.4 L/h	28.13 L/h	37.5 L/h
100% load	27.25 L/h	37.5 L/h	50 L/h
Frequency	50 Hz	50 Hz	50 Hz
Noise level	75 dB	75 dB	75 dB
Phases	3+N	3+N	3+N
Dimensions (LxWxH)	2710x1100x1500mm	3160x1120x1820mm	3610x1200x1980mm
Weight	1680 kg	2450 kg	2850 kg

Generators

SD7500 diesel generator

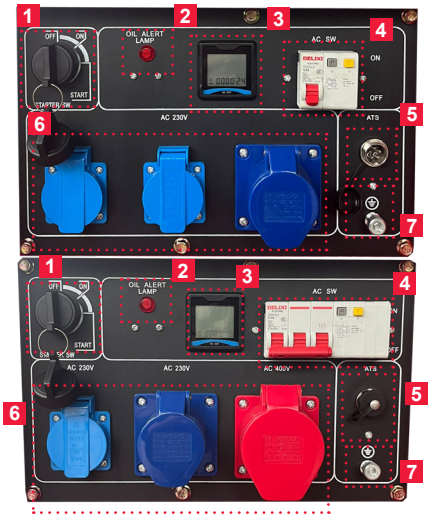
The SD-7500 diesel generator is available in 400 V three-phase and 230 V single-phase versions. It has a durable OEM JAVAC engine with counterbalance, quality ball bearings and a flywheel dynamo. An oil sensor automatically stops the engine if the oil level is too low, while clean combustion minimises smoke.
The alternator has pure electrolytic-copper windings and AVR control for stable voltage suitable for sensitive equipment. A powerful starter ensures easy starting. Standard equipment includes residual-current protection, an earthing point, a digital hour meter and all necessary connections.
Two large doors make the compact enclosure easy to service; four wheels provide mobility. For best performance, we recommend extra-grade red diesel and fully synthetic 5W40 oil.

Features

- Large doors for convenient maintenance
- Very economical engines: only 1 L/hour
- Warranty: two years or 1000 operating hours, whichever comes first
- Four wheels concealed within the bodywork
- Electric start with battery
- Electronic hour meter
- Ideal for linear loads



Model	SD-7500A	SD-7500B
Power	6 kW	6 kW
Max. power	6.5 kW	6.5 kW
Current	25 A	3x8.6 A
Voltage	230 V	230/400 V
Speed	3000 rpm	3000 rpm
Tank capacity	18 L	18 L
Fuel consumption	≤ 2.2 L/h	≤ 2.2 L/h
Frequency	50 Hz	50 Hz
Noise level	72 dB at 7 metres	72 dB at 7 metres
Dimensions (LxWxH)	900x500x695mm	900x500x695mm
Weight	160 kg	160 kg
Phases	1-phase	3-phase



Number	Description
1	Ignition switch
2	Oil alarm
3	Hour meter
4	Residual-current breaker
5	ATS controller
6	A: 2 Schuko + 1 CEE 230 V B: 1 Schuko + 1 CEE 230 V + 1 CEE 400 V
7	Earthing point

Generators

SD8500 diesel generator

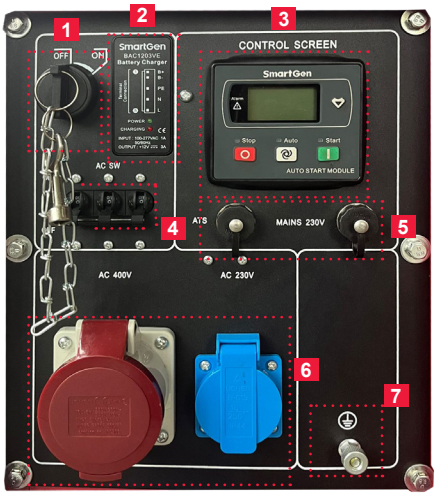
The SD-8500 is a newly designed, ultra-quiet diesel generator offering maximum performance and comfort. Its innovative U-shaped air duct keeps operation exceptionally quiet, even at full load.
The reinforced frame reduces vibration and improves durability. A 100% copper alternator with Class F insulation ensures a long service life and high reliability.
Intelligent AVR control delivers stable voltage with minimal distortion, ideal for sensitive electronics and professional use.

Features

- Unique design
- Extra-strong structure
- Smooth output
- Four-stroke diesel engine
- Direct fuel injection
- Recoil starter or optional electric starter
- Automatic voltage regulator (AVR)
- NFB circuit protection
- AC and DC outputs
- Low-oil-level alarm



Model	SD-8500
Power	6.9 kW
Max. power	8 kW
Current	9.9 A
Voltage	230/400 V
Speed	3000 rpm
Tank capacity	14.5 L
Fuel consumption	≤ 2.2 L/h
Frequency	50 Hz
Noise level	65 dB
Battery capacity	32 A
Dimensions (LxWxH)	994x642x750mm
Weight	185 kg
Phases	3-phase



Number	Description
1	Ignition switch
2	Battery charger
3	SmartGen Controller
4	Circuit breaker
5	ATS Controller
6	1 Schuko + 1 CEE 400 V
7	Earthing point

Generators

SD12000

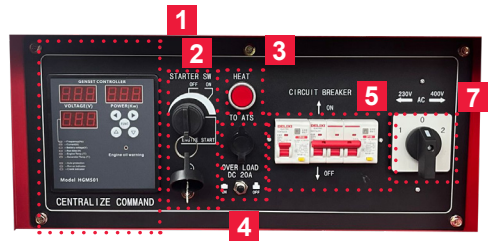
The JAVAC SD-12000 diesel generator is a powerful, durable solution for prolonged use. A water-cooled V-twin engine with direct injection provides efficient operation and a long service life.

The SD-12000 has an automatic voltage regulator (AVR) that regulates engine torque. This allows the generator to deliver the power required by the load. The electric starter starts the diesel engine easily, even at low temperatures.

Features

- Compact 3000 rpm generator for smaller sites
- Water-cooled two-cylinder engine
- Low weight: suitable for service vehicles
- Very low fuel consumption
- Can be fitted with a central controller
- External sockets
- Well-insulated enclosure
- Competitive pricing
- Selector switch between 230 V and 400 V







Model	SD-12000
Power	10 kW
Max. power	10.5 kW
Current	16 A
Voltage	230/400 V
Speed	3000 rpm
Tank capacity	25 L
Fuel consumption	≤ 1.5-2 L/h
Frequency	50 Hz
Dimensions (LxWxH)	1130x630x880mm
Weight	210 kg
Phases	3-phase

Number	Description
1	Generator Controller
2	Ignition switch
3	Oil preheater
4	ATS Controller
5	Residual-current controller
6	1 CEE 230 V + 1 Schuko + 1 CEE 400 V
7	Main selector switch between single- and three-phase

Generators

NM Series

JAVAC Nanomag generators (3000 rpm) deliver powerful, reliably stabilised output from 6 to 9 kW for residential and professional use. Advanced technology provides exceptionally stable voltage and handles high peak loads and motor starting with ease. They are ideal for applications involving sensitive electronics, including sound systems, lighting, compressors, welding equipment, hydraulic power packs, mobile workshops and standby installations. Compact, economical and robust, Nanomag is an ideal power source for demanding environments.

Features

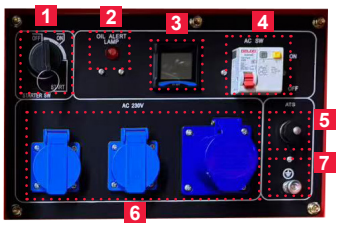
- Stabilised output prevents damage to electronics
- Handles peak power demand
- Very economical fuel consumption
- Residual-current circuit breaker
- Electronic hour meter
- The ideal site compressor
- Also ideal for domestic standby power
- Briefly delivers 150% power safely
- Long engine service life



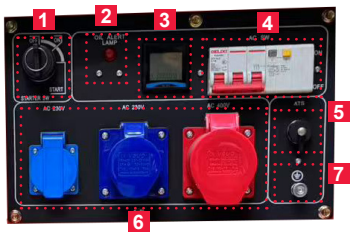


Model	NM-7500-A	NM-8500-B
Prime power	7.5 kVA	8.5 kVA
Max. power	8 kVA	9 kVA
Voltage	230 V	400/230 V
Rated current	25 A	3 x 10 A
Speed	3000 rpm	3000 rpm
Tank capacity	18 L	18 L
Phases	1-phase	3
Dimensions (LxWxH)	720x480x645mm	720x480x645mm
Weight	160 kg	170 kg

A: NM-7500



B: NM-8500



Number	Description
1	Ignition switch
2	Oil alarm
3	Hour meter
4	Residual-current breaker
5	ATS controller
6	A: 2 Schuko + 1 CEE 230 V B: 1 Schuko + 1 CEE 230 V + 1 CEE 400 V
7	Earthing point

Generators

Mobile Hybrid ESS

The Mobile Hybrid Energy Storage System is a compact, scalable energy solution for temporary, mobile and hybrid applications. It combines battery storage, an inverter and intelligent energy management in one robust unit. Designed for use with mains electricity, solar panels and diesel generators, it focuses on efficiency, flexibility and fuel savings.



Features

- 15 kW / 33 kWh per unit
- Expandable to 90 kW / 198 kWh (6 units in parallel)
- LiFePO4 battery: approx. 6000 cycles at 90% DoD
- Maximum 30 kW PV input (2 MPPTs)
- Single- and three-phase output (380/400 V)
- Automatic diesel-generator start/stop
- Up to 98% efficiency (PV to AC)
- IP54 protection rating
- Dimensions: 1040 × 1092 × 1157 mm
- Weight: 670 kg

Specification	AC output (discharge)	AC input (charge)
Rated power	15 kW (Max. 90 kW with 6 in parallel)	15 kW
Rated voltage	380/400 V	380/400 V
Rated current	3x21.8 A	22.5 A
Frequency	50/60 Hz	50/60 Hz
Single-phase option	220/230 V AC - 5 kW rated, 7.5 kW max. (1 h)	220/230 V - 22 A (optional)
Apparent power	22.5 kVA	-
Overload capacity	120% for 10 min 200% for 10 sec.	-
AC connection	3W+N	3W+N
THDi	-	≤ 3%
Additional option	-	Single- to three-phase converter (optional)

TOPSILENT 55 dB(A)

The Topsilent 55 dB(A) generator is designed for outdoor use, combining low noise with industrial reliability. Its galvanised-steel enclosure has an epoxy powder coating that withstands extreme weather. All parts are assembled using steel bolts and rivets rather than welding, providing a strong structure and easy maintenance access.



Features

- Topsilent 55 dB(A) is the top of the Javac generator range
- Maximum performance with minimal noise
- Sound pressure reduced to 55 dB(A) at 7 metres
- Enhanced version available at just 48 dB(A) at 7 metres
- Suitable for daytime and night-time city-centre use, even in quiet residential areas
- Entire structure in cold-galvanised steel, without welding
- Available from 8 to 250 kW
- Extremely compact design
- Fully customised to customer requirements, with a choice of RAL colours
- European-made product
- Baudouin engine and Stamford alternator

Model	SS20	SS40	SS60
Power	20 kVA	40 kVA	60 kVA
Voltage	400 V	400 V	400 V
Current	25.9 A	57.6 A	90 A
Noise level	55 dB	55 dB	55 dB
Frequency	50 Hz	50 Hz	50 Hz
Speed	1500 rpm	1500 rpm	1500 rpm
Tank capacity (L)	200 (400 optional)	200 (400 optional)	200 (400 optional)
50% load	2.6 L/h	5.7 L/h	7.7 L/h
100% load	5.2 L/h	10.7 L/h	15 L/h
Dimensions (LxWxH)	865x390x710mm	2200x1016x1958mm	2700x1015x1985mm
Weight	1000 kg	1200 kg	1300 kg

Generators

GAZ Series

The JAVAC GAZ series delivers reliable power from 6 to 35 kW, ideal for standby installations. Running on natural gas or LPG, it can start automatically through an ATS during a power failure. The GAZ series combines convenience, durability and safety without the need to store fuel.

Features

- Converted Suzuki engines
- Suitable for natural gas, LPG, propane or biogas
- Equipped with a controller
- Ideal for standby power when used with ATS
- Compact design
- Air- and water-cooled engines





ATS cabinet

Model	GAZ-6	GAZ-8	GAZ-15	GAZ-23	GAZ-35
Rated power LPG	6 kW (7.5 kVA)	9 kW (11 kVA)	16 kW (20 kVA)	22 kW (27.5 kVA)	35 kW (43.7 kVA)
Rated power Natural gas	5.5 kW (6.8 kVA)	8 kW (10 kVA)	15 kW (19 kVA)	20 kW (25 kVA)	33 kW (41 kVA)
Rated current LPG	26 A	39.1 A / 16.3 A	27.2 A	39.9 A	63.4 A
Rated current Natural gas	23.9 A	34.7 A / 14.5 A	27.2 A	36.2 A	60 A
Voltage	230 V single-phase	230 / 380 V	380 V	380 V	380 V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Rated speed	3000 rpm	3000 rpm	3000 rpm	3000 rpm	3000rpm
Battery	12 V 20 Ah	12 V 45 Ah	12 V 45 Ah	14 V 70 Ah	14 V 90 Ah
Phases	1-phase	Single (three-phase)	Three-phase	Three-phase	Three-phase
LPG consumption at 100% load	2.0 kg/h	3.6 kg/h	5.0 kg/h	7.6 kg/h	8.8 kg/h
Natural gas use at 100% load	2.9 m³/h	3.7 m³/h	5.8 m³/h	7.5 m³/h	12.1 m³/h
Dimensions (LxWxH)	1020x660x673 mm	1150x670x682mm	1376x810x960mm	1290x825x940mm	1615x810x956mm
Weight	180 kg	225 kg	345 kg	422 kg	approx. 500 kg

Generators

GFT Series - Biogas

The JAVAC Biogas Generator Series provides sustainable, reliable and efficient power generation. Designed for biogas, natural gas and other gas sources, these generators supply stable power for industry, agriculture, water treatment, waste processing and off-grid projects. Low emissions, robust technology and minimal maintenance make them a forward-looking solution for businesses seeking energy independence and environmentally responsible production.

Options

- Combined heat and power (CHP)
- Sound-attenuated, corrosion-protected enclosure
- SCR module to reduce NOx emissions



Model	GFT-15	GFT-50	GFT-60	GFT-100
Rated power	15 kW (18.75 kVA)	50 kW (62.5 kVA)	55 kW (68.75 kVA)	80 kW (100 kVA)
Rated engine power	20 kW	70 kW	70 kW	100 kW
Voltage	230/400 V	230/400 V	230/400 V	230/400 V
Gas inlet pressure	2kPa-50kPa	2kPa-50kPa	2kPa-50kPa	2kPa-50kPa
Speed	1500 rpm	1500 rpm	1500 rpm	1500 rpm
Displacement	3.6 L	5.2 L	5.2 L	7.8 L
Natural gas	LHV* > 31.4 MJ/m³	LHV > 31.4 MJ/m³	LHV > 31.4 MJ/m³	LHV > 31.4 MJ/m³
Biogas	LHV > 21 MJ/m³	LHV > 21 MJ/m³	LHV > 21 MJ/m³	LHV > 21 MJ/m³
Syngas	LHV > 5 MJ/m³	LHV > 5 MJ/m³	LHV > 5 MJ/m³	LHV > 5 MJ/m³
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Controller model	DSE 6020, Deepsea	DSE 7320, Deepsea	DSE 7320, Deepsea	DEIF brand
Phases	3P/4W	3P/4W	3P/4W	3P/4W
Dimensions (LxWxH)	1500x820x950mm	2250x800x1600mm	2250x800x1600mm	2300x970x1550mm
Weight	450 kg	1420 kg	1420 kg	1480 kg

Model	GFT-150	GFT-200	GFT-500
Rated power	150 kW (187.5 kVA)	200 kW (250 kVA)	500 kW (625 kVA)
Rated engine power	170 kW	230 kW	500 kW
Voltage	230/400 V	230/400 V	230/400 V
Gas inlet pressure	2kPa-50kPa	5kPa-50kPa	5kPa-50kPa
Speed	1500 rpm	1500 rpm	1000 rpm
Displacement	10.3 L	12.9 L	39.6 L
Natural gas	LHV > 31.4 MJ/m³	LHV > 31.4 MJ/m³	LHV > 31.4 MJ/m³
Biogas	LHV > 21 MJ/m³	LHV > 21 MJ/m³	LHV > 21 MJ/m³
Syngas	LHV > 5 MJ/m³	LHV > 5 MJ/m³	LHV > 5 MJ/m³
Frequency	50 Hz	50 Hz	50 Hz
Controller model		DSE 7320, Deepsea	DEIF brand
Phases	3P/4W	3P/4W	3P/4W
Dimensions (LxWxH)	2850x1200x1800mm	3250x1400x2200mm	4700x2050x2350mm
Weight	2000 kg	2860 kg	9200 kg

*LHV = Lower heating value

Generators

Combined heat and power

JAVAC CHP systems generate electricity and heat simultaneously in one efficient installation. Integrated heat recovery converts up to 70% of waste heat into useful energy, significantly reducing energy consumption and CO2 emissions.
Our range includes gas and diesel versions for businesses, greenhouses, hospitals and residential installations. The systems are manufactured by an ISO-certified partner and are fully CE-approved, ensuring quality, safety and reliability.

Features

- CHP installations with gas and diesel engines
- Residential or industrial use
- Systems starting at 6 kW
- Available up to 500 kW
- Wide choice of engines
- Affordable alternative

Specification	Value
Engine type	4-stroke
Cooling	Water-cooled
Drive	Turbocharged
Combustion technology	Lean Burn
Gas consumption	0.3 m³/kWh
Oil consumption	≤0.4 g/kWh

Model	50 kW	60 kW	80 kW	100 kW	120 kW
Engine power	60 kW	70 kW	90 kW	138 kW	138 kW
Max. power	66 kW	80 kW	90 kW	138 kW	138 kW
Oil capacity	13 L	18 L	18 L	21 L	21 L
Dimensions (mm) (LxWxH)	2500x1100x1500	2500x1100x1600	2800x1100x1600	3250x1200x1770	3100x1300x1700
Weight	1350 kg	1680 kg	1760 kg	2050 kg	2160 kg

Model	160 kW	180 kW	200 kW	250 kW	260 kW
Engine power	180 kW	210 kW	235 kW	281 kW	300 kW
Max. power	200 kW	210 kW	255 kW	281 kW	330 kW
Oil capacity	35 L	35 L	32 L	32 L	52 L
Dimensions (mm) (LxWxH)	3500x1300x2000	3500x1500x2000	3600x1500x2000	3850x1600x2100	4000x1600x2200
Weight	2750 kg	2860 kg	3350 kg	3520 kg	4250 kg

Model	320 kW	360 kW	500 kW	700 kW
Engine power	400 kW	400 kW	625 kW	880 kW
Max. power	440 kW	440 kW	685 kW	880 kW
Oil capacity	56 L	56 L	170 L	210 L
Dimensions (mm) (LxWxH)	5200x2200x2500	5000x2200x2500	10000x2200x2500	8000x2200x2500
Weight	5280 kg	6350 kg	12800 kg	12500 kg

Generators

Combined heat and power

Main components

1) Cooling-water heat exchanger

- Recovers heat from engine cooling water.
- Usually supplies hot water at 70-90 °C.
- Also provides engine cooling.

2) Exhaust-gas heat exchanger

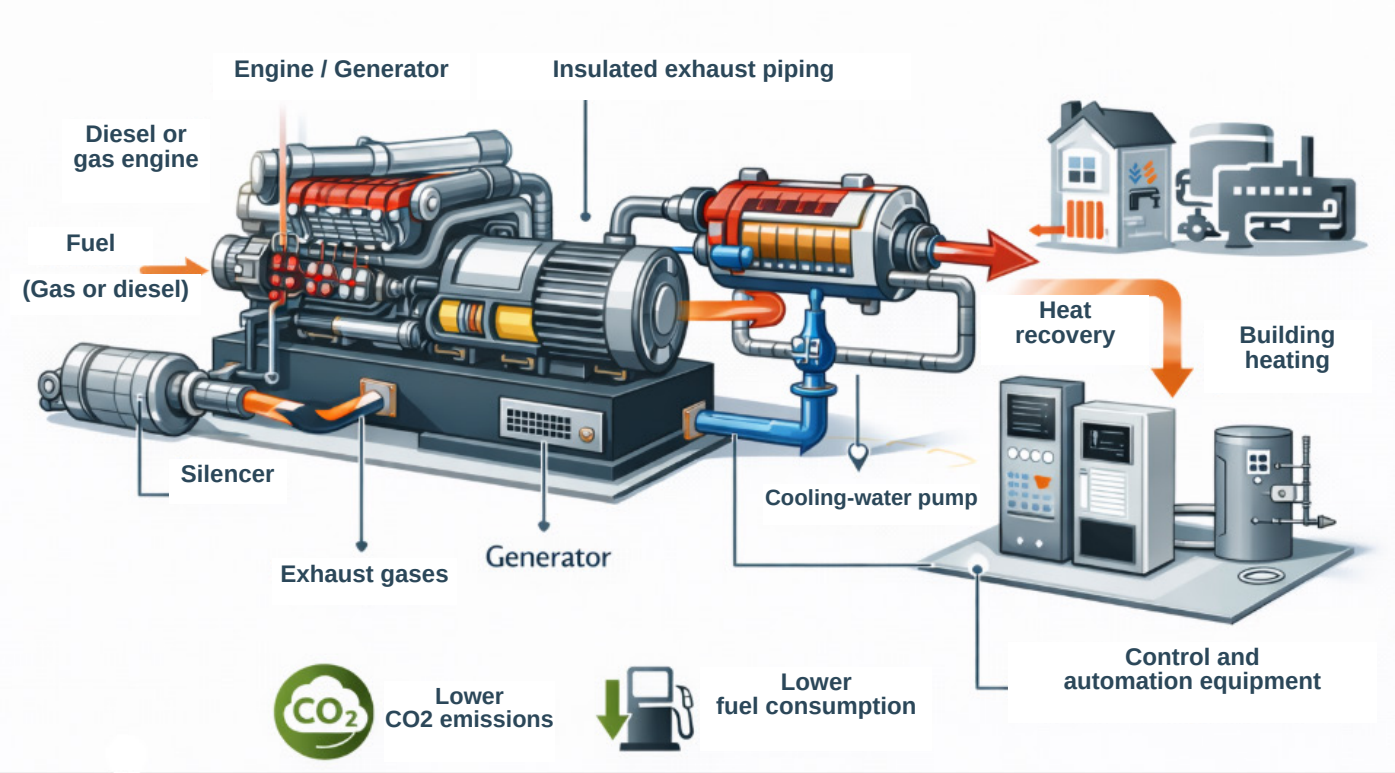
- Recovers heat from hot exhaust gases.
- Significantly improves overall efficiency.
- Can deliver higher temperatures than the cooling-water system.

3) Pump

- Circulates hot water to the heating system.
- Keeps the heating circuit stable.

4) Control and protection system

- Controls temperature, pressure and flow.
- Protects against overheating and pressure problems.



JAVAC

Interested in one of our products? Please feel free to contact us at

Contact info@javac.be or call +32 (0) 3 666 44 17. We are happy to help.

MIG/MAG

MINIMIG 200 and 200DP

A compact powerhouse! This ultra-light, very small, high-output electrode welding machine is mainly used for repairs. An exceptionally light, powerful MIG/MAG inverter with the latest technology and a synergic function.



Features

- Lightweight construction
- Also suitable for electrode welding
- Adjustable 2T/4T operation
- Digital display
- Reversible wire polarity
- Stepless adjustment
- IGBT technology
- Synergic function
- 5 kg wire spool
- MMA and Lift TIG functions

Model	MINIMIG 200	MINIMIG 200DP
Supply voltage	AC 220 ±15 V	Single-phase AC 220 V ±15%
Frequency	50/60 Hz	50/60 Hz
Input current	49 A	42.9 A
Open-circuit voltage	65 V	62 V
MIG output current	45-200 A	45-200 A
MIG operating voltage	14-24 V	14-24 V
TIG output current	10-200 A	10-200 A
TIG operating voltage	10-20 V	10-20 V
MMA output current	20-200 A	20-200 A
MMA operating voltage	20-28 V	20-28 V
Duty cycle	25% (30°C)	25% (30°C)
No-load loss	< 60 W	< 60 W
Efficiency	80%	80%
Power factor	0.75	0.75
Insulation class	F	F
Protection rating	IP21S	IP21S
Dimensions (LxWxH)	460x220x380mm	160x220x380mm
Arc ignition	Contact ignition	Contact ignition
Weight	10.8 kg	11.2 kg

MIG/MAG

STARMAX Series

Features

- Professional MIG welders with premium German quality
- Siemens IGBT semiconductors for reliable quality
- Four-roll wire feed for a precise, stable arc
- MIG, TIG and MMA: suitable for MIG and electrode welding
- High 60% duty cycle at 40 °C ambient temperature
- Available in 230 V and 400 V versions
- Strong wheelbase and wide cylinder trolley with industrial swivel and support wheels
- Clear digital panel with semi-synergic wire/power adjustment
- Large potentiometers adjust wire speed and output
- Supplied complete with matching MIG torch and earth cable



Model	STARMAX 160	STARMAX 200	STARMAX 250	STARMAX 315
Voltage	230 V single-phase		400 V 3 Phase	
Wire feed	4 drive rollers, 35 mm			
Mains fuse	16 A		16 A	20 A
Current at 60%	160 A	200 A	250 A	315 A
Power	6.7 kVA	7.4 kVA	8.4 kVA	11 kVA
Current range	20-160 A	20-200 A	20-250 A	20-315 A
Cos.Phi	0.93			
Welding voltage range	15-26 V	15-29 V	15-30 V	
Insulation class	F			
Protection rating	IP-21S			
Open-circuit voltage	58 V			
Welding wire diameter	0.6 & 0.8 mm	0.8 & 1.0 mm		0.8-1.2 mm
Wire feed speed	1-24 m/min			
Dimensions (mm)	880x300x690			
Weight	48 kg	48 kg	48 kg	50 kg
Welding torch	MB-15/4	MB-25/4		MB-36/4

MMA

LILIPUT Series

The popular Liliput series is used on construction sites and wherever the highest equipment performance is expected. These ultra-light welders use the latest NANO IGBT (nanotechnology) semiconductors, allowing welding cables exceeding 100 metres without power loss, for example in shipyards. The machine is enclosed between two impact-resistant plastic panels.

Features

- IGBT technology
- The most powerful, lightest machine on the market
- 400 AMP with absolute 100% short-circuit capability
- Programmable
- Low energy consumption
- Long supply or welding cables do not affect performance
- Generator-compatible
- Ideal for demanding construction sites
- LED display
- Very compact construction
- Requires only a 16 A mains supply
- Protection against phase failure, over/undervoltage and overheating
- Selector for welding current, Arc Force and Hot Start



Model	LILIPUT 200	LILIPUT 280	LILIPUT 400	LILIPUT 600
Voltage	220 V 50 Hz	220/380 V 50 Hz	400 V 50 Hz	
Power	7 kVA	10 kVA	20 kVA	33 kVA
Cos. Phi	0.9			
Current	200 A	280 A	400 A	630 A
Variable voltage	120 to 270 V	120 to 570 V	260 to 600 V	290 to 550 V
Duty cycle at 40°C over 10 min.	100% at 180 A	100% at 280 A	100% at 283 A	100% at 480 A
Open-circuit voltage	15+5V	15+5V	15+5V	63 V
Welding current	10-200 A	10-220 A	10-400 A	10-630 A
Electrodes	1.6 to 4.0 mm		2.0 to 5.0 mm	2.0 to 6.0 mm
Protection rating	IP-21	IP-23		
Insulation class	F			
Dimensions (mm)	247x148x229	294x158x320	390x186x320	443x230x371
Weight	3.22 kg	5.39 kg	13 kg	23 kg
Cooling	Forced-air cooling			

ATLAS 171 (+ case)

The Atlas 171 has been a JAVAC bestseller for years, offering an exceptional 100% duty cycle at 160 A for prolonged welding with 3.25 mm and even 4.0 mm electrodes. Large Dinse 35-50 connectors handle the heat generated in cables during intensive welding. Two potentiometers control output and the shunt setting for vertical and horizontal welding; a less fluid weld pool helps prevent runs. A clear LED display shows the output. Automatic Arc Force makes even difficult electrodes easy to strike. Few welders in this price range can match the ATLAS 171. The Atlas 171 SET also includes a carrying case.



Model	ATLAS 171
Voltage	230 V 50 Hz
Power	5.3 kVA
Cos. Phi	0.93
Current	170 A
Fuse	16 A tr.
Variable voltage	10-27 V
Duty cycle at 40°C over 10 min.	60% at 170 A
Open-circuit voltage	71 V
Welding current	20-170 A
Efficiency	90%
Electrodes	1.6-4.0 mm
Protection rating	IP-23
Insulation class	F
Dimensions (mm)	371x153x232
Weight	7.6 kg

Features

- Very compact design: only 6.6 kg
- 100% duty cycle, 230 V single-phase
- Panasonic IGBT semiconductors
- Low energy consumption
- Works easily with generators from 6 kW
- Lift-Arc TIG function
- Large Dinse 35-50 connectors
- Stepless output adjustment from 5 to 160 A
- Attractive, impact-resistant PVC housing
- Carrying-case option

TIG AC/DC

SUPERATLAS 181P

The AST makes professional stainless-steel welding easy. All required parameters can be set and stored using convenient single-knob control. The user-friendly LED display makes adjustment straightforward.



Model	ATLAS 181
Max. output	180 A
Voltage	230 V single-phase 50 Hz
TIG/MMA power	4.2 kW/ 5.2 kW
Efficiency	80%
Semiconductors	IGBT
TIG torch supplied	SR-17/8UF
Ignition of the arc	HF
TIG current range	5-180 A
MMA current range	180 A
Welding of basic electrodes	yes, up to 3.25
Open-circuit voltage	63 V
Duty cycle	40% at 180 A
Up/downslope time	0-5 sec
Pulse frequency	0.5-100 Hz
Gas post-flow time	3-10 sec
Pre-gas	0-1 sec
Post-gas	0-10 sec
Protection rating	IP-23
Dimensions (mm)	400x140x230
Weight	7.5 kg

Features

- DC pulse TIG / electrode welding
- IGBT and PWM technology; AST 201 with PFC
- Digital control
- Digital display
- HF / Lift-Arc (TIG)
- Adjustable downslope, upslope, gas pre-flow/post-flow and pulse frequency
- Intelligent protection against overvoltage, undervoltage, overcurrent and overheating

TIG AC/DC

ASTOR Series

ASTOR TIG AC/DC welders are German-made, use Siemens semiconductors and are very competitively priced. These high-tech machines compare with models costing twice as much. AC mode welds aluminium (all alloys), magnesium and brass; DC mode welds mild steel, copper, titanium and stainless steel. PFC technology provides full output (200 A / 60% duty cycle) from a 16 A fuse on a 230 V single-phase supply. The comprehensive digital panel includes memory, pulse, double pulse and mixed pulse, with settings for gas pre-flow/post-flow, pulse, upslope and downslope. Optional: SR 26 torch with an 8-metre, smooth silicone-rubber coaxial cable and a leather sleeve over the first half-metre, appreciated by professional welders. Its sustained output supports intensive industrial welding of aluminium up to 9 mm wall thickness. Use 100% argon shielding gas in AC and DC modes.

Features

- Lightweight, compact design
- HF or Lift-Arc ignition
- All ferrous and non-ferrous metals
- Excellent welding characteristics
- Siemens semiconductors
- PFC technology: high output at 220 V
- Pulse and mixed pulse
- Nine welding memories



Model	ASTOR 200 SQW	ASTOR 320	ASTOR 500
Max. output at 60%	200 A	320 A	500 A
Voltage	230 V	400 V	
Fuse rating	16 A	13 A	35 A
TIG output	20-200 A	20-320 A	20-500 A
MMA output	140 A	270 A	400 A
Power in kW	6.4 kW	15 kW	20 kW
Efficiency	84%	95 %	
Semiconductors	IGBT SIEMENS		
Open-circuit voltage	56 V	61 V	65 V
Arc ignition	HF + lift arc		
Pulse frequency range	0.5-50 Hz	0.2-20 Hz	
PFC technology	yes	N/A	
Insulation class	F	H	
Upslope time	0.1 second		
Downslope time	3-10 sec	0-99 sec	
Protection rating	IP-23		
Cooling	air-cooled	water-cooled	
Pre-gas	yes		
Post-gas	yes		
Dimensions (mm)	475x200x410	530x240x445	
Weight	14.2 kg	30,5 kg	32 kg

Plasma cutters

AVALON 40 portable single-phase plasma cutter

Cuts carbon steel, stainless steel, aluminium, copper and more. The AVALON 40 is a lightweight, convenient plasma-cutting system with high cutting performance and excellent cut quality. Low weight and easy operation make it ideal for trades, workshops and industry. It cuts cleanly and reliably. The AVALON 120 is a dependable partner for demanding applications. Use the wheeled AVALON 120 for severance cuts up to 60 mm thick. It produces high-quality cuts up to 40 mm; severance cuts up to 70 mm are also possible. The cut-out piece shown here at 1:1 scale was cut manually with a Javac PT 100 torch in 60 mm material.

Model		Avalon 40 PFC	Avalon 41 PFC
Voltage 50 Hz		230 V	
Power		4.2 kW	
Air consumption		4.5 bar 230 l/m	
Fuses		16 A	
Ignition		HF	
Duty cycle at 40°C over 10 min, 35%		40 A	
Max. piercing capacity		14 mm	20 mm
Usable cutting capacity	steel	12 mm	14 mm
	SS	8 mm	12 mm
	ALU	6 mm	10 mm
	CU	5 mm	8 mm
Open-circuit voltage		480 V	
Power source		IGBT	
Protection rating		IP-23S	
Insulation class		F	
Plasma torch		LT-50	TECMO PT61
Air pressure gauge fitted		internal	
Cooling		air	
Dimensions (mm)		27x16x45	50x13x30
Weight		7.5 kg	1.5 kg



The AV 41 is ideal for cutting perforated sheet.

Features

- Latest IGBT technology
- Compact, lightweight and portable
- Wide input-voltage range
- HF ignition
- Stepless current control
- Air-pressure gauge
- Compensates for mains fluctuations
- Intelligent protection with WARNING INDICATOR:
- Overload
- Undervoltage
- Overcurrent



Plasma cutters

AVALON 400 V plasma cutters







Model		AVALON 60	AVALON 100 PT	AVALON 100 PL	AVALON 120 PL
Voltage		400 V 50 Hz			
Power		6.75 kW	11 kW		18 kW
Air consumption		4.5 bar 230 l/m			4.5 bar 180 l/m
Fuses		16 A tr			30 A tr
Ignition		HF		PILOT	
Duty cycle at 40°C, 80%		35 A	70 A	100 A/100%	120 A/60% 90 A/100%
Duty cycle at 40°C, 35%		60 A	100 A		
CNC interface		no		yes	no
Max. steel piercing capacity		15 mm	40 mm	55 mm	70 mm
Usable cutting capacity	steel	20 mm	30 mm	45 mm	
	SS	15 mm	18 mm	25 mm	
	ALU	13 mm	15 mm	20 mm	
	CU	11 mm	13 mm	15 mm	
Open-circuit voltage		315 V	350 V		160 V
Power source		IGBT			
Protection rating		IP-21S			
Insulation class		F			
Plasma torch		PTI-80		PT-100	no
Air pressure gauge fitted		internal	external		
Cooling		forced-air cooling			
Dimensions (mm)		520x240x400	490x240x470		600x370x650
Net weight		24 kg	28 kg	45kg	55 kg

Welding positioners

PRO 1

Welding positioners are essential for efficient positioning and rotation of workpieces. Our range includes horizontal, vertical, tilting and hydraulically height-adjustable versions, allowing every workpiece to be placed in the ideal welding position to improve accuracy and productivity.
Our popular PRO series provides extremely precise drive control, even with eccentric workpieces, and can be used with HF TIG welders without interference. Different controls and reduction gearboxes provide suitable speeds for each model. Add a matching self-centring chuck for a complete solution. Many other versions are available for different applications.

Features

- Tilts and locks from 0° to 90°
- Start/stop via a freely positioned foot switch
- Adjustable rotation: clockwise/counterclockwise
- Adjustable rotation time
- Chrome-plated surface protects against weld spatter
- Adjustable table speed
- Welding machine can be controlled by the turntable control
- Earth contact rated 300 A / 100%
- Separate turntable and control unit
- HF-protected

Model	PRO 1
Supply voltage	AC 230V / 50Hz
Earth connection	300A / 100%
Tilt range	0°-90°
Table diameter	300mm
Hollow shaft	20mm
Mounting hole circle Ø	110mm to max. 264mm
Speed	• A: 0.2-2 rpm • B: 1.2-12 rpm
Turntable slot width	14mm
Rotation directions	clockwise / anticlockwise (cw / ccw)
Torque	• A: 24.5 Nm • B: 4.4 Nm
Max. load A	100 kg
Dimensions (mm)	480x325x470
Weight	50 kg

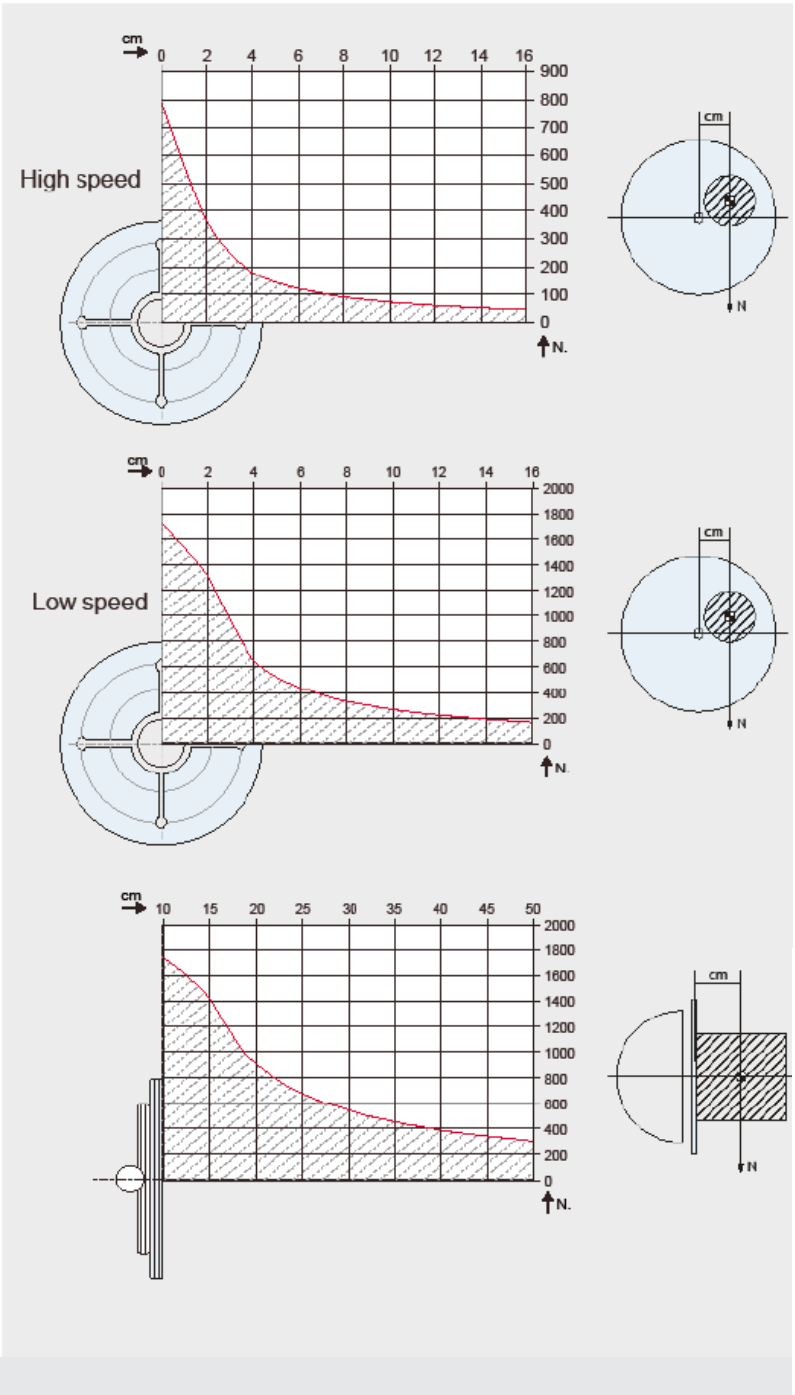


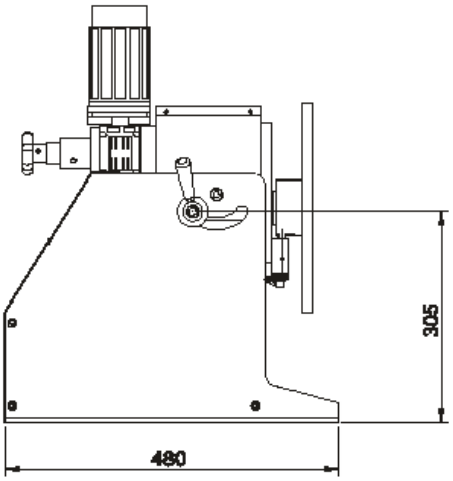


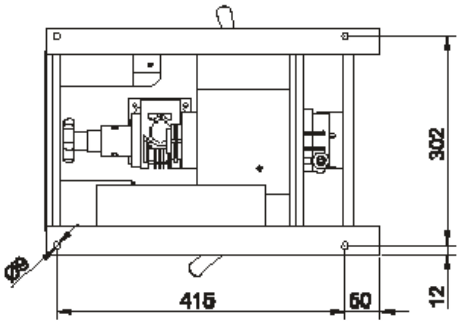


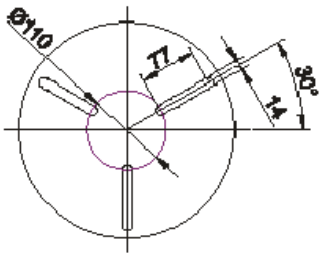
Welding positioners

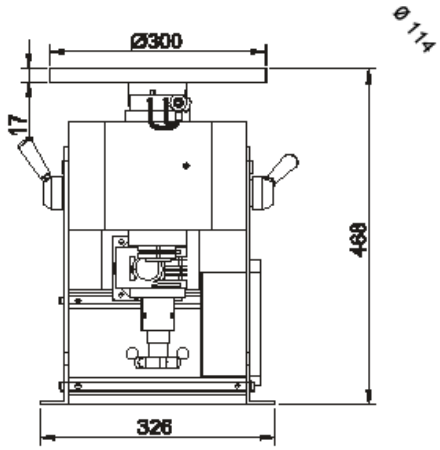
PRO 1











When selecting your positioner, always consider:
- the centre of gravity of the workpiece;
- the weight of the clamping fixture.

Welding positioner

PRO 2

Features

- Tilts from 0° to 90° and locks in any position
- Start/stop via a remote foot switch
- Clockwise and counterclockwise rotation
- Adjustable rotation time
- 60 mm hollow shaft
- 340 mm turntable diameter
- Chrome-plated surface protects against weld spatter
- Stepless speed adjustment: 0.6-6 rpm
- Welding machine can be controlled through the turntable controller
- Earth contact rated 300 A at 100% duty cycle
- Separate turntable and control units
- HF protection against high-frequency interference

The PRO 2 turntable has a maximum horizontal load capacity of 160 kg.







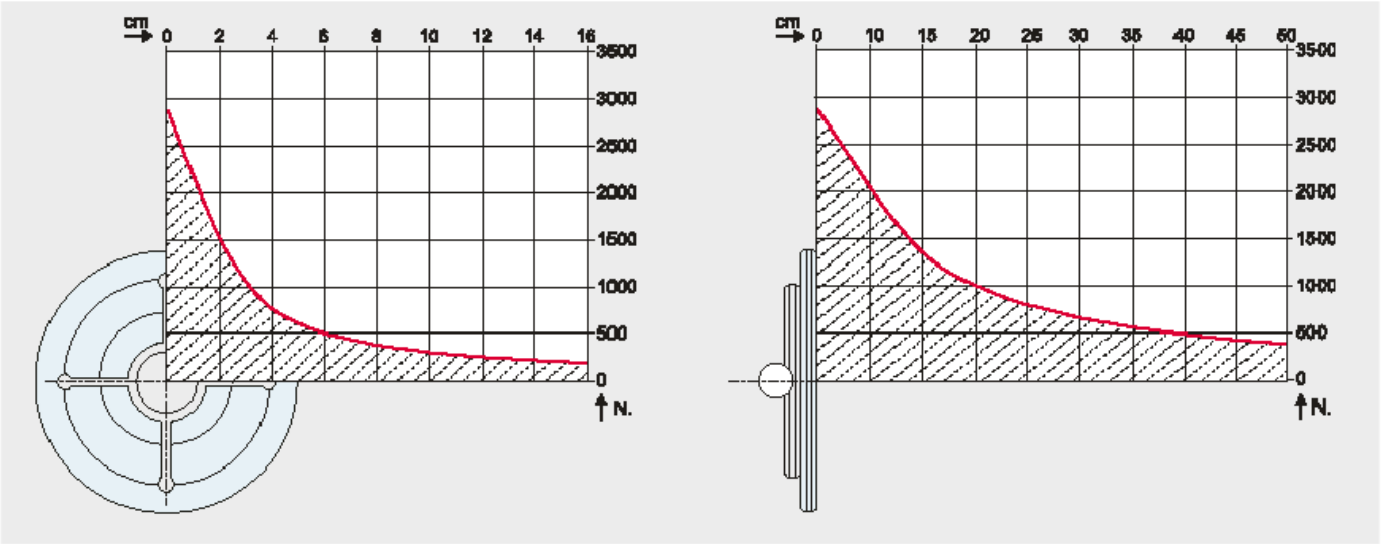
Model	PRO 2
Supply voltage	AC 230V / 50Hz
Earth connection	300A / 100%
Tilt range	0°-90°
Table diameter	340mm
Hollow shaft	60mm
Mounting hole circle Ø	114mm to max. 302mm
Speed	0.6-6 rpm
Turntable slot width	14mm
Rotation directions	clockwise / anticlockwise
Max. workpiece diameter	approx. 510mm
Max. horizontal load	160 kg
Dimensions (mm)	385x340x375
Weight	62 kg

Welding positioner

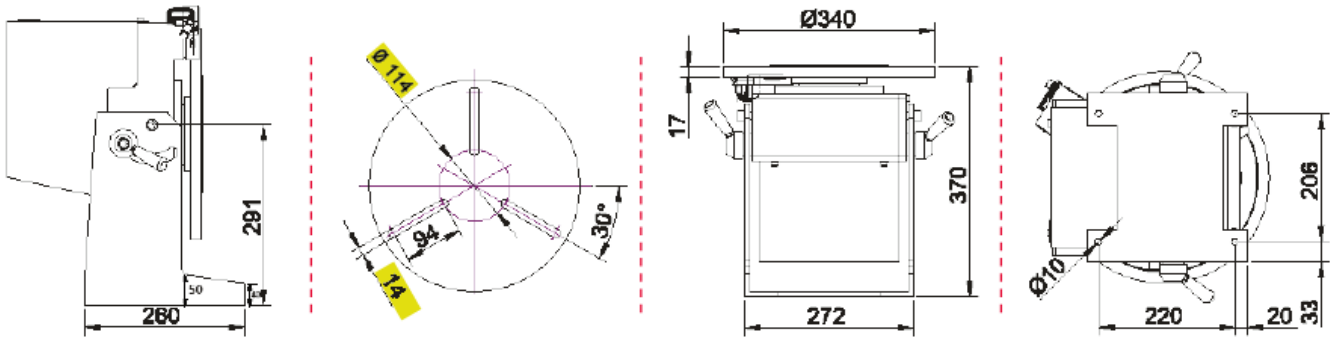
PRO 2

Perfectly positioned
When selecting a turntable, always consider the rotational and tilting torque. The distance between the workpiece centre of gravity and the mounting plate is important, as is its eccentric offset from the centre. Remember the weight of the clamping fixture, which is often greater than the workpiece itself.

A rotating and tilting table positions workpieces optimally for welding, significantly increasing productivity and weld quality.



When selecting your positioner, always consider:
- the centre of gravity of the workpiece;
- the weight of the clamping fixture.



Welding positioner

PRO 3

Features

- Tilts from 0° to 90° and locks in any position
- Start/stop via a freely positioned foot switch
- Clockwise or counterclockwise rotation
- Adjustable rotation time
- 60 mm hollow shaft
- 340 mm turntable diameter, with chrome plating to protect against weld spatter
- Stepless speed adjustment: 0.6-6 rpm
- Welding machine can be controlled through the turntable controller
- Earth contact rated 300 A at 100% duty cycle
- Separate turntable and control units
- HF protection against high-frequency interference



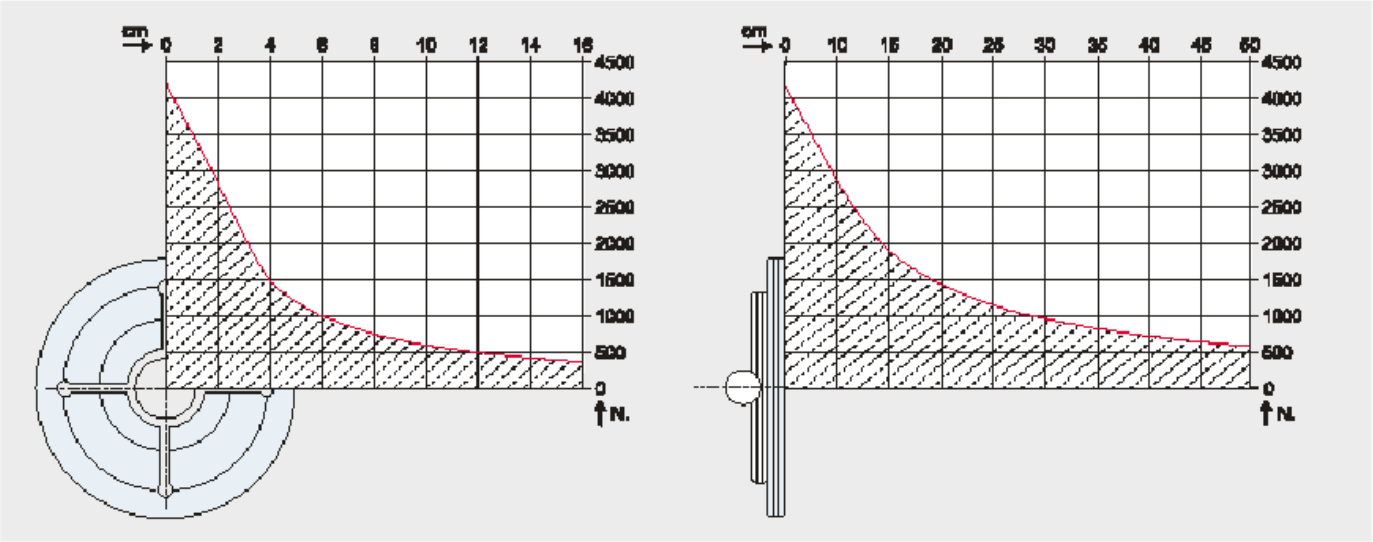
Model	PRO 3
Mains voltage	AC 230V / 50Hz
Rotation motor	90 V DC65W
Earth connection	300 A / 100%
Tilt range	0°-90°
Turntable diameter	340mm
Max. workpiece diameter	approx. 580mm
Torque	120 kg-cm
Rotation speed	0.6-6 rpm
Rotation direction	Clockwise and anticlockwise
Max. horizontal load	290 kg
Mounting bolt circle Ø	114mm to at max. 302mm
Hollow shaft	60mm
Turntable slot width	14mm
Dimensions (mm)	380x340x425
Weight	65 kg

Welding positioner

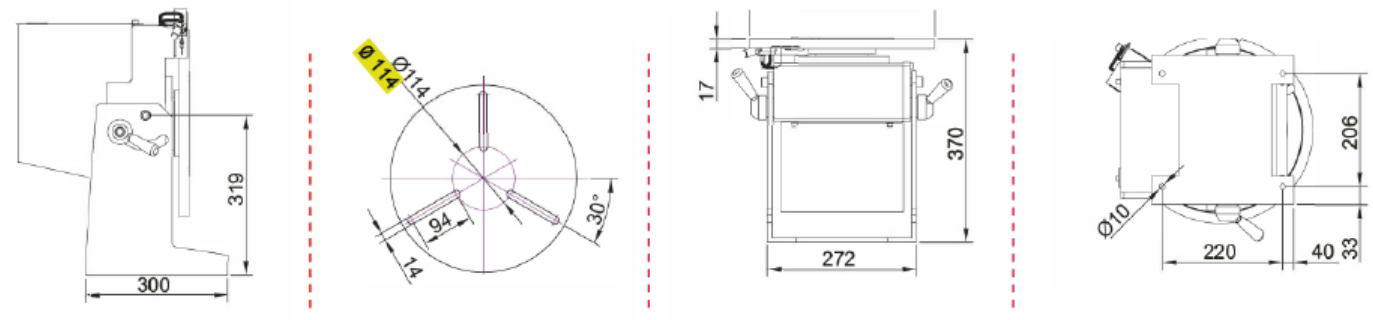
PRO 3

Perfectly positioned
When selecting a turntable, always consider the rotational and tilting torque. The distance between the workpiece centre of gravity and the mounting plate is crucial, as is its eccentric offset from the centre. Remember the weight of the clamping fixture, which is often greater than the workpiece itself.

A rotating and tilting table positions workpieces optimally for welding, significantly increasing productivity and weld quality.



When selecting your positioner, always consider:
- the centre of gravity of the workpiece;
- the weight of the clamping fixture.

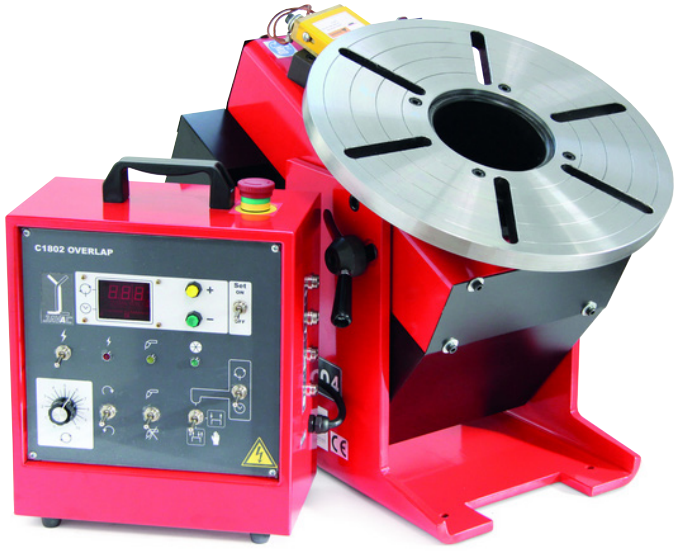


Welding positioner

PRO 4

Features

- Tilts from 0° to 90° and locks in any position
- Start/stop via a remote foot switch
- Clockwise and counterclockwise rotation
- Adjustable rotation time
- 120 mm hollow shaft
- 400 mm turntable diameter
- Chrome-plated surface protects against weld spatter
- Stepless speed adjustment: 0.2-2 rpm
- Welding machine can be controlled through the turntable controller
- Earth contact rated 300 A at 100% duty cycle
- Separate turntable and control units
- HF protection against high-frequency interference



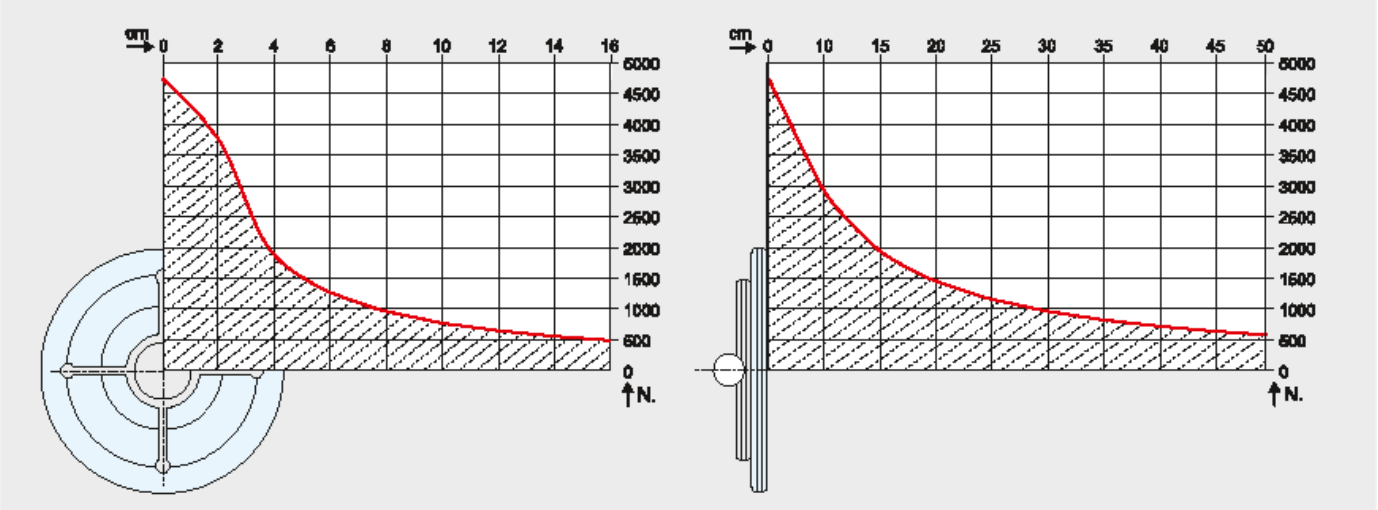
Model	PRO 4
Supply voltage	AC 230V / 50Hz
Earth connection	300A / 100%
Tilt range	0°-90°
Table diameter	400mm
Hollow shaft	120mm
Mounting hole circle Ø	180mm to max. 360mm
Speed	0.6-6 rpm
Turntable slot width	17mm
Rotation directions	clockwise / anticlockwise
HF protection	92%
Max. horizontal load	400 kg
Dimensions (mm)	480x400x425
Weight	100 kg

Welding positioner

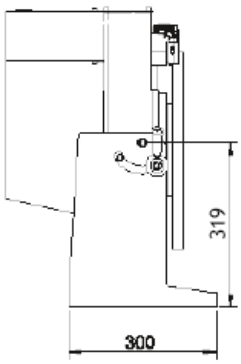
PRO 4

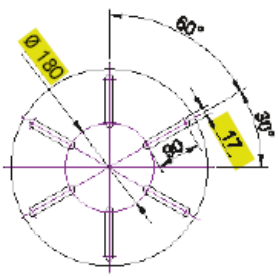
Perfectly positioned
When selecting a turntable, always consider the rotational and tilting torque. Check how far the workpiece centre of gravity lies from the mounting plate and the centre of rotation. Remember the weight of the clamping fixture, which is often greater than the workpiece itself.

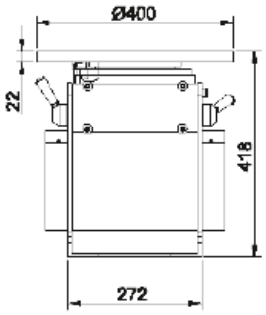
A rotating and tilting table places a workpiece in the ideal welding position, improving both productivity and weld quality.

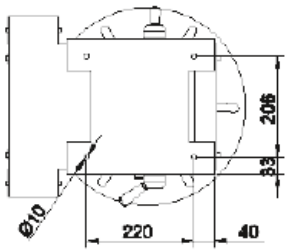


When selecting your positioner, always consider:
- the centre of gravity of the workpiece;
- the weight of the clamping fixture.









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