


JCB ENERGY ELECTRIC POWER INDUSTRY

📍 MADRID / SPAIN





GENERATOR GENERAL INFORMATION

Generator	Frequency	Voltage	Power Factor	Speed	Diesel Engine		Alternator			Type Of	Generator Output			
Model	Hz	V	Cos Q	Rpm	Brand	Model	Series	Brand	Model	Series	Operation	kVA	kW	A
JCN 475	50	231/400	0.8	1500	JCN	C587JCI	CII		JCB	315MX	Standby	475,0	380,0	686,4
				Prime							431,8	345,5	624,0	
				Continuous							302,3	241,8	436,8	
JCN 475	60	277/480	0.8	1800						315S	Standby	475,0	380,0	686,4
				Prime							431,8	345,5	624,0	
										Continuous	302,3	241,8	436,8	

- Diesel Engines with Advanced Technology and Quality
- Alternators with Advanced Technology and Quality
- Low Exhaust Emission
- Control Panel Suitable for Flexible Application
- Patented Compact Designed and Sound proof Canopy
- Low Operating Cost, Suitable for Heavy-Duty
- Durability, Low Noise Level

- Tropical 50 °C Radiator, First Class Product Support
- Fuel Filter with Water and Particle Separator
- Low Fuel Consumption, Low Oil Consumption
- Global Technical Service and Maintenance Support
- Wide Range of Affordable Spare Parts
- High Quality and Reliable Technology
- Half Century Experience in Generator Manufacturing

STAND BY POWER RATING – (ESP):

ESP is applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. Under no condition is an engine allowed to operate in parallel with the public utility at the Stand by Power rating. This rating should be applied where reliable utility power is available. A Stand By rated engine should be sized for a maximum of an 70% average load factor and 200 hours of operation per year. This includes less than 25 hours per year at the Stand by Power rating. Stand By ratings should never be applied except in true emergency power outages. Negotiated power outages contracted with a utility company are not considered an emergency.

PRIME POWER RATING – (PRP):

Applicable for supplying electric power in lieu of commercially purchased power. Prime Power applications must be in the form of one of the following two categories:

UNLIMITED TIME RUNNING PRIME POWER (ULTP):

PRP (Prime Power) is available for an unlimited number of hours per year in a variable load application. Variable load should not exceed a 70% average of the Prime Power rating during any operating period of 250 hours. The total operating time at 100% Prime Power shall not exceed 500 hours per year. A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation. Total operating time at the 10% overload power shall not exceed 25 hours per year.

LIMITED TIME RUNNING PRIME POWER (LTP):

LTP (Limited Time Prime Power) is available for a limited number of hours in a no variable load application. It is intended for use in situations where power outages are contracted, such as in utility power curtailment. Engines may be operated in parallel to the public utility up to 750 hours per year at power levels never to exceed the Prime Power rating. The customer should be aware, however, that the life of any engine will be reduced by this constant high load operation. Any operation

CONTINUOUS POWER RATING (COP):

COP is the power that the engine can continue to use under the prescribed speed and the specified environment condition in the normal maintenance period stipulated in the manufacturing plant. And Continuous Power is applicable for supplying utility power at a constant 100% load for an unlimited number of hours per year. No overload capability is available for this rating.

PAY ATTENTION TO THE POINTS BELOW IN PICKING AND USING THE GENERATOR

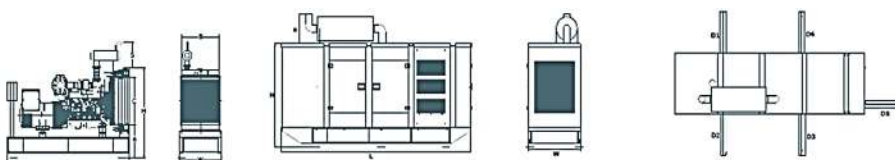
- * Generators can work on Continuous Power at 70% of Prime power value if only all maintenances are done on time with original spare parts and high-quality oils that manufacturer advice.
- * Generators should not operate below 50% of Prime Power value. In such a case, the engine will burn excessive oil and eventually have irreparable damage.
- * If your need is 1000 kVA or above, you should prefer Synchronic Systems with 2-3 generators with failure back up and simultaneous aging.
- * These points will provide advantage for you with purchasing and operating the generator.

GENERATOR DIMENSIONS AND TECHNICAL DRAWINGS



VALUES		OPEN TYPE GENERATOR	CANOPY TYPE GENERATOR
WIDTH	mm	1200	1140
LENGTH	mm	3374	4100
HEIGHT	mm	1953	1900
WEIGHT (NET)	Kg	2761	3620
FUEL TANK CAPACITY	L	673	678

SYMBOL	OPEN	CANOPY
L	3374	4100
W	1200	1140
H	1953	2000
S		600
A	775	
B	940	
C	1000	
D1		860
D2		860
D3		860
D4		860
D5		860



FUEL CONSUMPTION

PERCENT OF PRIME POWER	1500 rpm	1800 rpm
	l/hr	l/hr
110 %	94,12	94,12
100 %	85,94	85,94
75 %	65,13	65,13
50 %	45,01	45,01

DIESEL ENGINE MAIN TECHNICAL PARAMETERS

GENERAL

Number of Cylinders		6
Configuration		Vertical, In Line
Aspiration		Turbocharged & Intercooled
Combustion System		Direct Injection
Compression Ratio		17:1
Bore	mm	126
Stroke	mm	155
Displacement	L	11,596
Governing Type		Electronic
Governing Class		G3
Rotation		Counterclockwise
Firing Order		1-5-3-6-2-4
Emission		Tier II
Moments of Rotation Inertia		
Engine	Kg - m ²	3,02
Flywheel	Kg - m ²	2,35
Performance Rating		
Speed Droop	%	≤0,5
Steady State Speed Band	%	≤0,5

FILTERS

Air Filter		Dry Type, Replaceable
Fuel Filter		With Water Separator
Oil Filter		Element Type, Particulate Trap

FLYWHEEL HOUSING AND FLEX COUPLING

Flywheel Housing	SAE (J620)	1
Flex Coupling Disc	Inch (")	14

TEST CONDITIONS

Ambient Temperature	%	25
Atmospheric Pressure	KPa	100
Relative Humidity	Rh (%)	30
Max. Operating Intake Resistance	KPa	5
Exhaust Backpressure Limit	KPa	10
Fuel Temperature (Fuel Inlet Pump)	°C	38±2

OVERALL DIMENSIONS

Length*	mm	1884
Width	mm	1006
Height	mm	1323
Dry Weight	kg	1212

*From front end of radiator to near end of air filter

FAN

Diameter	mm	840
Drive Ratio		1,2:1
Number of Blades		6
Material		Metal
Type		Blowing

DIESEL ENGINE MAIN TECHNICAL PARAMETERS

COOLING SYSTEM

Radiator Type	50°C	Tropical
Total Coolant Capacity	L	55
Max. Perm. Coolant Outlet Temperature	°C	103
Max. Perm. Flow Resist. (Cool. System And Piping)	bar	0,5
Max. Temperature of Coolant Warning	°C	95
Max. Temperature of Coolant Shutdown	°C	98
Thermostat Operation Temperature - Initial Open	°C	68
Thermostat Operation Temperature - Full Open	°C	71
Delivery of Coolant Pump	m ³ / h	5,60
Min. Pressure Before Coolant Pump	bar	0,5
Radiator Face Area	m ²	0,94
Rows	Row	5
Matrix Density	Per / Inch	15,5
Material		Aluminum
Width of Matrix	mm	1100
Height of Matrix	mm	1000
Pressure Cap Setting	kPa	90
Estimated Cooling Air Flow Reserve	kPa	0,125
Engine Pre Heater-Tube (with Circulation Pump)	W	3000

LUBRICATION SYSTEM

Total System	L	26
Minimum Oil Level	L	24
Nominal Motor Operating Temperature	°C	40
Lubricating Oil Pressure (Rated Speed)	bar	5
Relief Valve Opens	kPa	300-400
Oil / Fuel Consumption Ratio	%	≤0,36
Normal Oil Temperature	°C	105

ELECTRICAL SYSTEM

Voltage	V	24
Starter	kW	8,5
Alternator Output Ampers	A	55
Alternator Output Voltage	V	28
Batteries Capacity	Ah	2X135

JCB ENERGY DIESEL ENGINE POWER RATINGS

ENGINE MODEL	C587JCI	ENGINE FAMILY	JC23	ENGINE SERIES	CII		
Speed (Rpm)	Type of Operation	TYPICAL GENERATOR OUTPUT (NET)		ENGINE POWER			
				Gross		Net	
		kVA	kWe	KWm	Hp	kWm	Hp
1500	Stand By(Maximum)	475,0	380,0	426,0	571,8	404,0	542,3
	Prime	432,0	345,0	389,0	522,1	368,0	494,0
1800	Stand By(Maximum)	475,0	380,0	426,0	571,8	404,0	542,3
	Prime	432,0	345,0	389,0	522,1	368,0	494,0

DIESEL ENGINE MATCHING PARAMETERS - 50 HZ

50 HZ @ 1500 R/MIN		STAND BY	PRIME
Gross Engine Power	kW	426,0	389,0
Net Engine Power	kW	404,0	368,0
Fan Power Consumption (Belt Pulley Driven)	kW	20,0	20,0
Other Power Loss	kW	2,0	1,5
Mean Effective Pressure	MPa	2,94	2,68
Intake Air Flow	m ³ / min	26,25	25,00
Exhaust Temperature Limit	°C	650	650
Exhaust Flow	m ³ / min	50,75	48,33
Boost Pressure Ratio		3,26	3,09
Mean Piston Speed	m / s	7,8	7,8
Cooling Fan Air Flow	m ³ / min	650,0	650,0
Typical Generator Output Power	kVA	475	432
HEAT REJECTION		STAND BY	PRIME
Energy in Fuel (Heat of Combustion)	kW	1065,0	973,0
Gross Heat to Power	kW	426,0	389,0
Energy to Coolant and Lubricating Oil	kW	213,0	195,0
Heat Dissipation Capacity *	kW	75,0	68,0
Energy to Exhaust	kW	309,0	282,0
Heat to Radiation	kW	43,0	39,0

*Intake Intercooled system

DIESEL ENGINE MATCHING PARAMETERS - 60 HZ

60 HZ @ 1800 R/MIN		STAND BY	PRIME
Gross Engine Power	kW	426,0	389,0
Net Engine Power	kW	400,0	363,5
Fan Power Consumption (Belt Pulley Driven)	kW	24,0	24,0
Other Power Loss	kW	2,0	1,5
Mean Effective Pressure	MPa	2,45	2,24
Intake Air Flow	m ³ / min	26,25	25,00
Exhaust Temperature Limit	°C	650	650
Exhaust Flow	m ³ / min	50,75	48,33
Boost Pressure Ratio		3,20	3,10
Mean Piston Speed	m / s	9,3	9,3
Cooling Fan Air Flow	m ³ / min	650,0	650,0
Typical Generator Output Power	kVA	470	427
HEAT REJECTION		STAND BY	PRIME
Energy in Fuel (Heat of Combustion)	kW	1067,0	951,0
Gross Heat to Power	kW	426,0	366,0
Energy to Coolant and Lubricating Oil	kW	213,0	195,0
Heat Dissipation Capacity *	kW	74,0	68,0
Energy to Exhaust	kW	309,0	282,0
Heat to Radiation	kW	45,0	41,0

*Intake Intercooled system

JCB ALTERNATOR TECHNICAL PARAMETERS AND SPECIFICATIONS






ALTERNATOR TECHNICAL PARAMETERS				
Insulation Class	H	Field Control System	Self-Excited	
Winding Pitch	2/3 - (N° 6)	A.V.R. Model	Standard	SX440
Wires	12	Voltage Regulation	%	± 1
Protection	IP 23	Sustained Short-Circuit Current	10 sec	300% (3 IN)
Altitude	m	Total Harmonic (*) TGH / THC	%	< 4
Overspeed	rpm	Wave Form: NEMA = TIF - (*)		< 50
Air Flow	m ³ /sec.	Wave Form: I.E.C. = THF - (*)	%	< 2
Bearing Drive	N/A	Bearing Non-Drive	Bearing	6314-2RZ
Rotor Winding	100%	Copper	Stator Winding	100% Copper

ALTERNATOR SPECIFICATIONS

50 HZ / 231-400V COSQ 0,8 / 1500 RPM

STANDARD USING ALTERNATOR




OPTIONAL USING ALTERNATOR

BRAND/MODEL		JCB 315MX				TAL047B			S4L1DG
DUTY		Continuous					Stand By		
AMBIENT	C°	40°C					27°C		
CLASS / TEMP. RISE	C°	H/ 125° K					H/ 163° K		
SERIES STAR	V	380/220	400/231	415/240	1 Phase	380/220	400/231	415/240	1 Phase
PARALLEL STAR	V	190/110	200/115	208/120	220	190/110	200/115	208/120	220
SERIES DELTA	V	220	230	240	230	220	230	240	230
OUTPUT POWER	kVA	432,0	432,0	448,0	-	475,0	475,0	493,0	-
OUTPUT POWER	kW	345,6	345,6	358,4	-	380,0	380,0	394,4	-

60 HZ / 277-480V COSQ 0,8 / 1800 RPM

STANDARD USING ALTERNATOR

OPTIONAL USING ALTERNATOR

BRAND/MODEL		JCB 315S				TAL046H			HC4E
DUTY		Continuous				Stand By			
AMBIENT	C°	40°C				27°C			
CLASS / TEMP. RISE	C°	H / 125° K				H / 163° K			
SERIES STAR	V	416/240	440/254	480/277	1 Phase	416/240	440/254	480/277	1 Phase
PARALLEL STAR	V	208/120	220/127	240/138	-	208/120	220/127	240/138	-
SERIES DELTA	V	240	254	277	240	240	254	277	240
OUTPUT POWER	kVA	421,0	443,0	466,0	-	463,0	487,0	513,0	-
OUTPUT POWER	kW	336,8	354,4	372,8	-	370,4	389,6	410,4	-

CONTROL MODULE ALERTS

Emergency Stop Malfunction
High Generator Frequency
Low Generator frequency, Low Load
Over Current, Unbalanced Current
Low Generator Voltage
High generator Frequency
Phase sequence error
Overload, Heat Sensor Broken
Low Water Level (Optional)
Low Oil Pressure, Reverse Power
Low Water Temperature

Start Error, Stop Error
Magnetic Pickup Error
Charge Alternator Error
Unbalanced Load
Maintenance Time Alarm
Low Speed, High Speed
Broken Oil Sensor Cable
High Oil Temperature (Optional)
Low Fuel Level (Optional), High Battery Voltage
Low Battery Voltage, High Water Temperature
Electronic Can bus Errors (ECU)

CONTROL PANEL SPECIFICATIONS



- Powder Painted Steel Panel with Lockable Door
- ATS (Automatic Transfer Panel)-Optional
- Control Module
- Battery Charger
- Emergency Stop Button
- Terminal Blocks
- Load Output Terminal
- System Protection MSBs
- Circuit Breaker-Optional
- LCD Screen
- Control Relays
- Backlit, 128x64 Pixels

CONTROL MODULE TECHNICAL PARAMETERS

Brand	JOENERGY [®]	Brand	Trans-MIDIAMF.232.GP
Dimensions	120mmx94mm.	Protection Class	IP65 From the Front
Weight	260 gr.	Environmental Conditions	2000 meters above sea level
Ambient Humidity	Max. %90.	Ambient Temperature	-20°C to +70°C
DC Battery Supply Voltage	8 - 32 V	Battery Voltage Measurement	8 – 32 V
Network Frequency	5 - 99,9 Hz	Mains Voltage Measurement	3 - 300 V phase -Neutral, 5 - 99,9 Hz
Generator Voltage Measurement	3 - 300 V	Generator Frequency	5 - 99,9 Hz
Current Transformer Secondary	5A	Working Period	Continuous
Charge Alternator Voltage Measurement	8 - 32 V	Charge Alternator Excitation	210mA &12V, 105mA &24V Nominal 2.5W
Communication Interface	RS-232	Analog Sender Measurement	0 - 1300ohm
Generator Contactor Relay Output	5A & 250V	Mains Contactor Relay Output	5A & 250V
Solenoid Transistor Outputs	1A with DC Supply	Start Transistor Outputs	1A with DC Supply
Configurable-3 Transistor Outputs	1A with DC Supply	Configurable-4 Transistor Outputs	1A with DC Supply

CONTROL MODULE FUNCTION

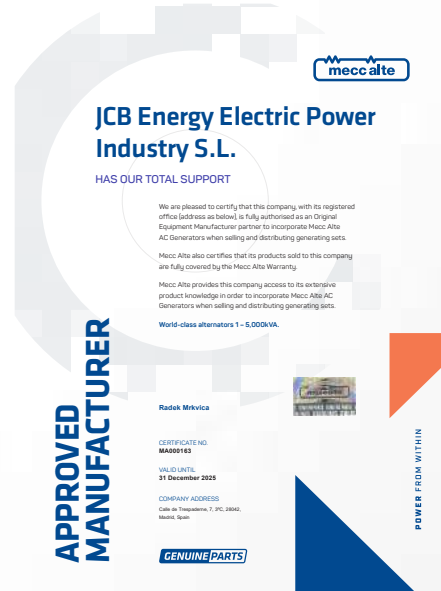
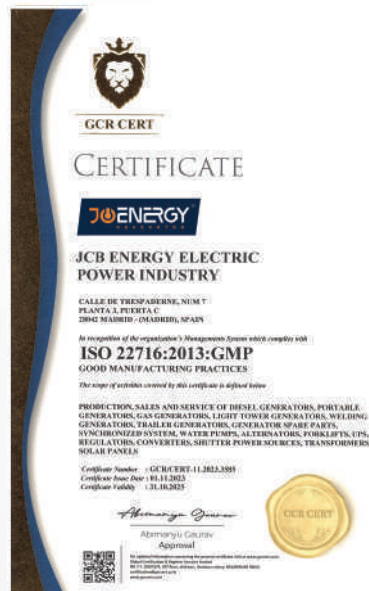
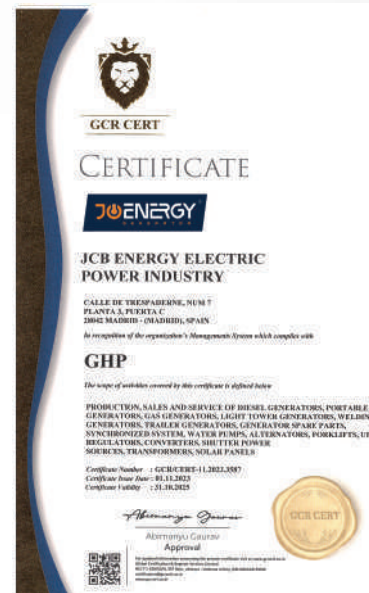
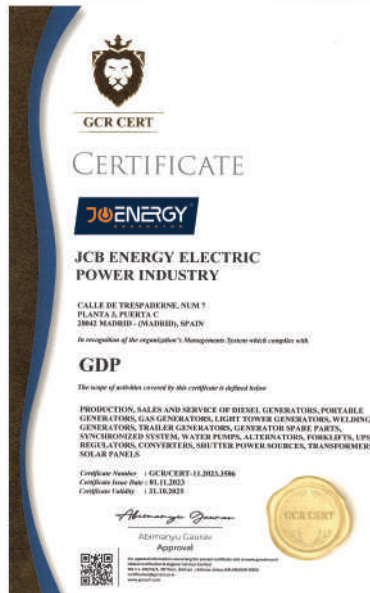
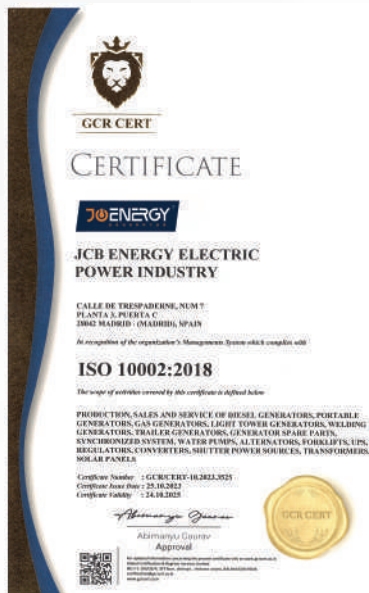
Mains Voltage Level Control	Generator Voltage Level Control	3 Phase Generator Protections	3 Phase AMF Function	Alarm Horn
Network Frequency Level Control	Generator Frequency level Control	- High / Low Voltage	- High / Low Frequency	Heater Tube Thermostat Control
Engine Operating Option Control	Generator Current Level Control	- High / Low Frequency	- High / Low Voltage	Modbus and SNMP
Engine Stop Option Control	Generator Powder Level Control	- Current / Voltage Asymmetry	- High / Low Water Temperature	Working Hour
Engine Speed (RPM) Level Control	Generator work Schedule and Timing Control	- Overcurrent / Overload	- High / Low Load	Ground Leakage
Battery Voltage Options Times	Oil Pressure Controllers Control	Overheat Control	Mains., Generator ATS Control	Analog Modem
Check Engine Maintenance Times	Configurable Analog Inputs and Outputs	1 Phase or 3 Phase, Phase Selection	Network, Voltage, Frequency Display	Ethernet, USB, RS232, RS485
Communication Interfaces GPRS, GSM	Keeping Error Records of Past Events	Parameter Setting via Control Module	Parameter Setting via Computer	Selectable Protection Alarm / Shutdown
Engine Speed, Voltage, Earning	Configurable Programmable Digital Inputs and Outputs	Water Temperature Current and Frequency	Hours of Operation Phase sequence	Battery Voltage Oil Pressure

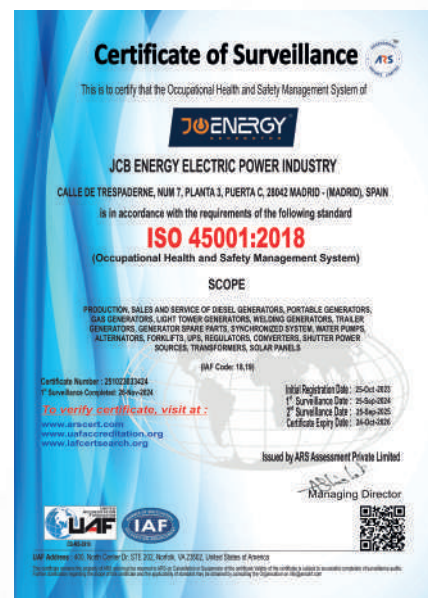
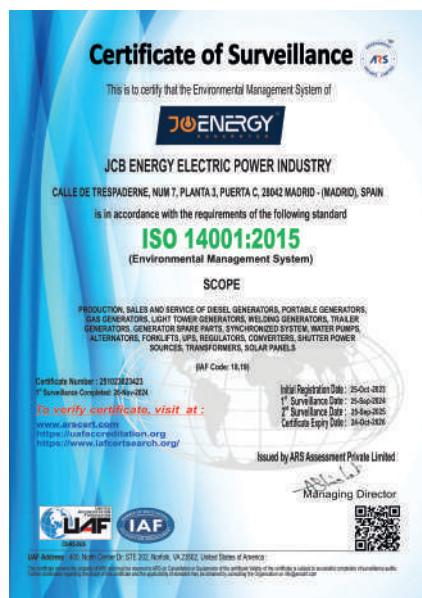
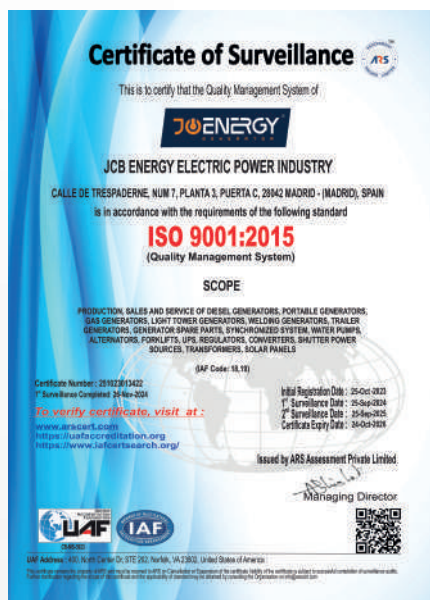
SOUND PROOF CANOPY AND BASE FRAME (CHASIS) SPECIFICATIONS



- Special, Registered JCB Energy Design and Colour
- A1 Quality DKP / HRU / Galvanized Steel
- Sensitive Twist on Automatic Press Brake
- Delicate Cut on Automatic Punch and Laser Bench
- Sensitive Welding on Robotic Welding Bench
- Chemical Cleaning Nano Technology Before Painting
- Robotic Painting with Electrostatic Powder Paint
- Drying and stabilizing on 200 °C Ovens
- 1500 Hour Salt Test
- Glass wool Isolation, A1 Class Material -50/+500 °C
- Special Covering Over Glass Wool
- Best Sound Level (in DbA)
- Temperature Tests
- Rustproof Accessories
- Cable Exit Connectors and Glands
- Emergency Stop Button
- Fuel Level Gauge
- Fuel Drain Cap
- Fuel Inlet and Return Records
- Impermeability Test for Fuel Tank
- Vacuumed Rubber Mounted
- High Quality weatherstrips
- High Quality Shock Absorbers
- Fuel Filling Cap (with ventilation)
- Lifting and Carrying Equipment
- Internal Exhaust Mufflers (Silencers)
- External Exhaust Mufflers (Silencers)
- Radiator water Filling Cap
- Daily Fuel Tank, External Fuel Tank

OUR CERTIFICATES





MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 2372384

Valid until: 14 August 2021

Valid from: 14 October 2020 - 13 October 2021

This is to certify that the management system of **HD Hyundai Infracore Co., Ltd. Head Office & Incheon Plant** 489, Injung-ro, Dong-gu, Incheon, 22502, Republic of Korea and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard: **ISO 14001:2015**

This certificate is valid for the following scope: **Design, Development, Manufacture, Servicing of Internal Combustion Engine for use in Marine Industry, General Industry and Automotive Industry, and Earth Moving Equipment (Excavator, Wheel Loader, Dozer), Testing of Earth Moving Equipment (Excavator and Wheel Loader).**

Place and date: Barcelona, 09 October 2021

For the issuing office: DNV Business Assurance, Norway, 1300 LB Barcelona, Netherlands

DNV Kite Management Representative

Limit of liability of conditions as set out in the Certificate Agreement may render this Certificate invalid. ACCREDITED UNIT: DNV Business Assurance B.V., Containing: 1. DNV LB Barcelona, Netherlands, SL, +31-10-1032000, www.dnv.com/assess

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 2372385

Valid until: 13 January 2022

Valid from: 14 October 2020 - 13 October 2021

This is to certify that the management system of **HD Hyundai Infracore Co., Ltd. Head Office & Incheon Plant** 489, Injung-ro, Dong-gu, Incheon, 22502, Republic of Korea and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System standard: **ISO 45001:2018**

This certificate is valid for the following scope: **Design, Development, Manufacture, Servicing of Internal Combustion Engine for use in Marine Industry, General Industry and Automotive Industry, and Earth Moving Equipment (Excavator, Wheel Loader, Dozer), Testing of Earth Moving Equipment (Excavator and Wheel Loader).**

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CLAYTON DE WHITNEY
REGISTRO GENERAL
SALIDA
Nº de Registro: 945 / RG 645
Fecha: 29/07/2024 12:00:00

IRENE SANCHEZ ROMAN, MANAGER OF THE DEPARTMENT OF LEGAL ADVISORY SERVICES AND THE DATABASE OF THE OFFICIAL CHAMBER OF COMMERCE, INDUSTRY AND SERVICES OF MADRID, WITH REGISTERED OFFICE AT PLAZA DE LA INDEPENDENCIA 1, MADRID, SPAIN

CERTIFY: That, according to the background data on record at this Chamber and others produced by the Company:

JCB ENERGY ELECTRIC POWER INDUSTRY SL, a company with Tax ID: Number B13975954, and its registered office at street Tropezadero no: 7, 28042 Madrid is registered on 8 May 2024, under the heading of the 34 Section, companies, of the Economic Activities Tax Tariff Number 342 to perform the following activity:

- Manufacture of electrical material for use and equipment

In witness whereof, for the appropriate purpose, I have issued and signed this Certificate, to which I affix the stamp of this Chamber, in Madrid on 26 July 2024.

CLAYTON DE WHITNEY
REGISTRO GENERAL
SALIDA
Nº de Registro: 950 / RG 650
Fecha: 29/07/2024 12:00:00

IRENE SANCHEZ ROMAN, DIRECTORA DEL DEPARTAMENTO DE ASSESORIA JURIDICA Y CENSO DE LA CAMARA OFICIAL DE COMERCIO, INDUSTRIA Y SERVICIOS DE MADRID, CON DOMICILIO SOCIAL EN LA PLAZA DE LA INDEPENDENCIA Nº 1, MADRID - ESPAÑA

CERTIFICA: Que de los antecedentes que obran en esta Corporación y de otros exhibidos por la sociedad, resulta:

PRIMERO.- Que la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, es una sociedad mercantil de nacionalidad española, constituida mediante escritura pública de fecha 23 de junio de 2023, anotada por don José María Vázquez, Notario del Registro de Madrid con el número 1.257 de acuerdo de su protocolo, e inscrita en el Registro Mercantil al Tomo 45.424, Folio 40, Hoja M-799.035, Inscripción 1ª.

SEGUNDO.- Que según se desprende de la mercantilización de constitución, en el artículo 3 de los Estatutos de la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, resulta que tiene por objeto social:

"Actividad principal 27.11. Fabricación de motores, generadores y transformadores eléctricos".

TERCERO.- Que según consta en la escritura de constitución, el capital social de la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, se fija en la cantidad de 19.005,00 € (DIECINUEVE MIL NOVECIENTOS CINCO EUROS), dividido en 19.005 participaciones sociales, de 1,00 € (UN EURO) de valor nominal cada una, distribuidas proporcionalmente del 1 al 19.005, ambas, inclusive, que son íntegramente asumidas y desembolsadas por el socio fundador.

CUARTO.- Que según consta en la escritura de constitución citada en párrafos anteriores, la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, opta por el sistema de Administración Única y nombra por tiempo indefinido a don Mohamed A.M. Eladiri, con Número de Identidad Extranjera Y42M33279, para que actúe en nombre y representación de la mercantil, con cuantas facultades legales y estatutariamente correspondan a dicho cargo, prestando el administrador nombrado a la aceptación del mismo.

QUINTO.- Que la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, con domicilio en calle Tropezadero número 7, 28042 Madrid y presunta de Número de Identificación fiscal B13975954, consta dada de alta en el grupo empresarial 342 de la Sección 1ª empresarial de las Tarifas del Impuesto sobre Actividades Económicas, que le habilita para ejercer la actividad "Fabricación de material eléctrico de utilización y equipamiento".

CE

CE DECLARATION OF CONFORMITY

JCB ENERGY ELECTRIC POWER INDUSTRY SL
C/ ALFREDO MARQUESE, 10, PUERTA A, PLANTA 1 BARCELONA MADRID

Description Of The Product: GENERATORS AND PUMPS

Product Brand/Model/Type: (DIESEL GENERATORS, GAS GENERATORS, PORTABLE GENERATORS, LIGHT TOWERS, WATERS PUMPS, PUMPSETS, UPS, REGULATORS, CONVERTERS, ALTERNATORS, WELDING GENERATORS, TAILGATE GENERATORS, BATTERY POWER SOURCES)

Applicable harmonized standards: EN ISO 15245:2015 EN ISO 15246:2015 EN ISO 15247:2015 EN ISO 15248:2015 EN ISO 15249:2015 EN ISO 15250:2015 EN ISO 15251:2015 EN ISO 15252:2015 EN ISO 15253:2015 EN ISO 15254:2015 EN ISO 15255:2015 EN ISO 15256:2015 EN ISO 15257:2015 EN ISO 15258:2015 EN ISO 15259:2015 EN ISO 15260:2015 EN ISO 15261:2015 EN ISO 15262:2015 EN ISO 15263:2015 EN ISO 15264:2015 EN ISO 15265:2015 EN ISO 15266:2015 EN ISO 15267:2015 EN ISO 15268:2015 EN ISO 15269:2015 EN ISO 15270:2015 EN ISO 15271:2015 EN ISO 15272:2015 EN ISO 15273:2015 EN ISO 15274:2015 EN ISO 15275:2015 EN ISO 15276:2015 EN ISO 15277:2015 EN ISO 15278:2015 EN ISO 15279:2015 EN ISO 15280:2015 EN ISO 15281:2015 EN ISO 15282:2015 EN ISO 15283:2015 EN ISO 15284:2015 EN ISO 15285:2015 EN ISO 15286:2015 EN ISO 15287:2015 EN ISO 15288:2015 EN ISO 15289:2015 EN ISO 15290:2015 EN ISO 15291:2015 EN ISO 15292:2015 EN ISO 15293:2015 EN ISO 15294:2015 EN ISO 15295:2015 EN ISO 15296:2015 EN ISO 15297:2015 EN ISO 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