

Generating the **DEUTZ** way

12.5 kVA (PRP) to 500 kVA (PRP) at 50 Hz



DEUTZ DIESELPOWER

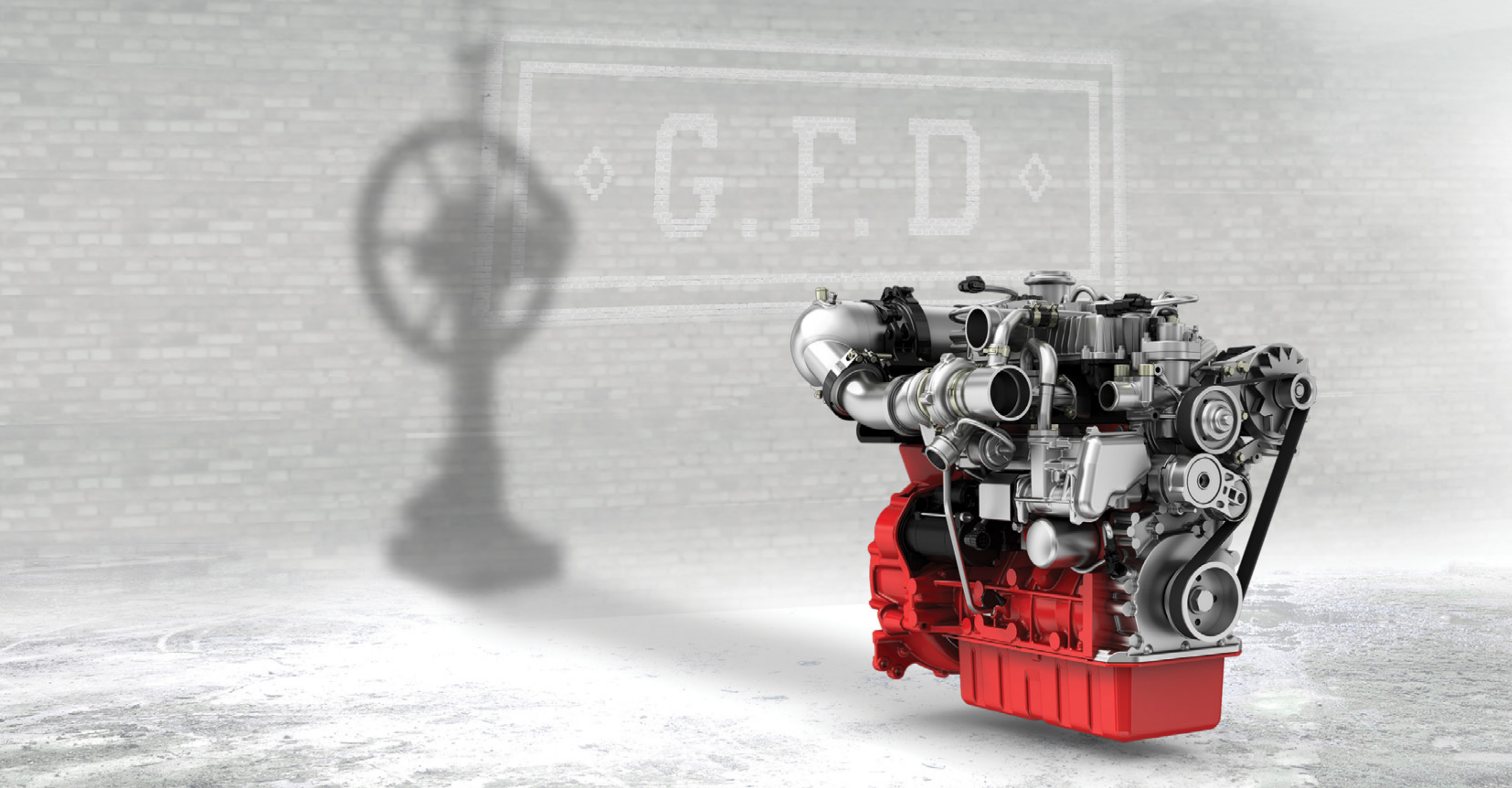
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DEUTZ is a worldwide known company associated with quality, unbelievable reliability and legendary durability. Now experience these features in our in-house developed electricity power generating sets with **DEUTZ** air and liquid cooled diesel engines.

The new product spectrum covers the closely meshed power range from 12.5 to 500 kVA (at cos phi 0, 8) for main power frequencies of 50 Hz.

Join the leaders in diesel powered generator sets.

DEUTZ DIESELPPOWER, established in 1981 and a member of the HUDACO Group is the Sole Distributor of **DEUTZ** products and services for South Africa and certain key Anglophone African countries.





DEUTZ DIESELPOWER is an innovative, technology driven local company, who has the sole distribution rights for all DEUTZ products and services covering South Africa and certain key Anglophone African countries. We use our cutting edge innovation and value added service commitment to manufacture complete power generation solutions, supporting our local customer requirements.

All our power generation solutions are manufactured to ISO 9001 standards, using only premium quality products and services.

Following commissioning, our worldwide service network supports you with experienced specialist personnel backed up by genuine DEUTZ engine parts supply.

Customers, who choose a power generation solution from DEUTZ DIESELPOWER today, make a sound investment in the future.

A further commitment to our quality product and service commitment is unconditional backed with support from an engine manufacturer (DEUTZ) that has been in operation for 150 years.

DEUTZ DIESELPOWER

your reliable diesel-powered generator supplier

Unique selling points:

- ▶ Having the peace of mind knowing that you have Genuine Deutz products and service
- ▶ A complete 50 Hz generating set, built to supply seamless, reliable, durable and high-quality prime and continuous power supply
- ▶ Leading edge designs, both mechanical and electrical;
- ▶ Local design and manufactured, ensuring full, optimised local sales and supports channels
- ▶ World leading genuine DEUTZ air and liquid cooled engines
- ▶ Optimised service accessibility leading to lower optional costs
- ▶ Word leading load acceptance to ensure immediate power supply
- ▶ Optimised project management for seamless integration

Standard package includes:

- ▶ Mechanical and Electronic governor systems (engine model specific)
- ▶ Integrated fuel storage tank in the base frame with high quality flexible fuel lines, fuel level indicator, breather and fittings included
- ▶ Anti vibration rubber engine/base mountings
- ▶ Manual starting system (Base load)
- ▶ Engine monitoring:
 - ▶ Shut down at low oil pressure
 - ▶ Shut down at high engine temperature
 - ▶ Air cooled engines – v-belt break switch
- ▶ Frequency indicator
- ▶ Generator protection 3 poles
- ▶ Voltage indictor
- ▶ Ampere indicator
- ▶ Operating hour meter
- ▶ Visual alarm display
- ▶ Engine silencer system
- ▶ Mounted air cleaner system, with service indicator
- ▶ 12/24 volt battery at correct specification
- ▶ Standard SAE housing and flywheel connection (SAE 0 – 5)
- ▶ Mounted fuel and engine oil DEUTZ filter
- ▶ Engine operating and spare parts manual
- ▶ Control panel diagram and load test report
- ▶ Base frame – heavy duty with engine and alternator directly coupled

Additional value-added package includes:

- ▶ Automatic mains failure (AMF):
 - ▶ Change-over contactors with electrical and mechanical interlocks
 - ▶ Emergency power off
 - ▶ Alternator protection circuit breaker
 - ▶ Voltage indication
 - ▶ Current indication
 - ▶ Frequency indication
 - ▶ Hours-run indication
 - ▶ Power on warning light
 - ▶ Generator on load warning light
 - ▶ Shutdown protection with alarm display
 - ▶ Battery charger
- ▶ Controller options (Deep Sea, Lovato, Woodward – customer specific)
- ▶ Weather and sound attenuated enclosures:
 - ▶ Mild steel (treated and then powder coated), stainless steel options available (3CR12, or 304)
 - ▶ Standard sound attenuation (70dBA @ 7 meters) or optimised ultra low sound attenuated packages (50-60 dBA @ 7 meters)
 - ▶ Vermin proof
 - ▶ Large, heavy duty doors, with industrial rated hinges,
 - ▶ Shatterproof glass for optimal visual inspection of the control panel
- ▶ Automatic diesel fuel filling systems
- ▶ Large separate customised fuel tanks
- ▶ Remote starting, using latest technology
- ▶ Hybrid energy solution (contact our sales department for more information)
- ▶ Electricity tariff saving solutions (contact our sales department for more information)
- ▶ Synchronised systems with multiple generators in parallel
- ▶ Road ordinance trailer options
- ▶ Mobile lighting plants
- ▶ Variable speed option



30 – 140 kVA Air-cooled generator range

MODELS	DDPA 30	DDPA 35	DDPA 40	DDPA 47	DDPA 60	DDPA 72	DDPA 100	DDPA 135
Performance								
kVA – Prime	29	35	40	47	61	72	104	135
kVA – Standby	30	38	42	50	62	76	109	142
Power factor	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Engine								
Make	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model	F3L912	F3L914	F4L912	F4L914	F6L912	F6L914	BF6L914	BF6L914C

General	Origin	Germany	Germany	Germany	Germany	Germany	Germany	Germany
	Cooling System	Air	Air	Air	Air	Air	Air	Air
	Aspiration	Nat. asp	Nat. asp	Nat. asp	Nat. asp	Nat. asp	Turbo	Turbo
	kWm – Prime Power (Mechanical)	27,5	32,5	37	43	55	92	118,7
	kWm – Standby Power (Mechanical)	28	34,5	38	45,5	56	97	125
	No. of Cylinders	3	3	4	4	6	6	6
	Speed – RPM	1500	1500	1500	1500	1500	1500	1500
	Fuel Consumption @ full load L/H	7,2	7,4	9,7	10	14,5	21,7	29,1

Alternator	Make	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori
	Origin	Italy	Italy	Italy	Italy	Italy	Italy	Italy
	Model	MJB 160 MB4	MJB 200 SA4	MJB 200 SA4	MJB 200 SB4	MJB 200 MA4	MJB 225 MA4	MJB 225 LA4
	Alternator efficiency %	0,88	0,88	0,88	0,89	0,90	0,92	0,92

Dimensions in mm (Open set)

Length	1800	1800	1800	1800	2100	2100	2100	2700
Width	800	800	800	800	1000	1000	1000	1200
Height	1950	1950	1950	1950	1950	1950	2100	2100
Weight (Dry): Kg	800	800	900	900	1200	1200	1600	2000

Dimensions in mm (Sound and Weather Proof set)

Length	2400	2400	2400	2400	3300	3300	4000	4000
Width	1000	1000	1000	1000	1000	1000	1000	1000
Height	1950	1950	1950	1950	2250	2250	2250	2250
Weight (Dry): Kg	950	950	950	1150	1400	1400	1980	2380

We reserve the right to change specifications without prior notice.

** For our quality generator alternator specifications, please refer to the technical overview tables

“A perfect match
of tradition
and innovation”

Value added benefits:

► Optimised cost saving

- Reduced operating costs due to lower fuel and engine oil consumption
- Reduced downtime due to quality of product and service – direct cost savings
- Optimised compact designs, saving installation space and manufacturing costs
 - Direct customer benefits – reduced operation and maintenance costs.

► World leading reliability

- Designed for high duty cycle and continuous operation
- Designed for long service intervals
- Designed for extreme applications and conditions
 - Direct customer benefits – reduced downtime, overall costs and lifetime of the equipment.

► Extended service life

- High quality components and material used
- Tried and tested – in all conditions for optimal long service operations
- Engine designed for lowest possible operational cost to power output
 - Direct customer benefits – capital investments that have a reduced optimal payback period.

► Environmental protection

- Engines meeting all legal exhaust and noise emission regulations
- Low diesel fuel and oil consumption, leading to reduced CO₂ emissions
 - Direct customer benefits – geared for the future and environmentally responsible.



12 – 125 kVA Liquid-cooled generator range

MODELS	DDP 12	DDP 20	DDP 30	DDP 40	DDP 60	DDP 85	DDP 100	DDP 125
Performance								
kVA – Prime	12	20	29	40	60	87	102	125
kVA – Standby	13	21	31	42	63	93	108	140
Power factor	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Engine								
Make	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model	F2M2011	F3M2011	F4M2011	BF4M2011	BF4M2011C	BF4M1013E	BF4M1013EC	BF4M1013FC
General								
Origin	Germany	Germany	Germany	Germany	Germany	Germany	Germany	Germany
Cooling System	Oil	Oil	Oil	Oil	Oil	Water	Water	Water
Aspiration	Nat. asp	Nat. asp	Nat. asp	Turbo	Turbo	Turbo	Turbo	Turbo
kWm – Prime Power (Mechanical)	12	19	27,6	36,4	54	78,5	91,1	113
kWm – Standby Power (Mechanical)	12,6	20	29	38,2	56,9	82,5	96,1	124
No. of Cylinders	2	3	4	4	4	4	4	4
Speed – RPM	1500	1500	1500	1500	1500	1500	1500	1500
Fuel Consumption @ full load L/H	3,5	5,3	7,3	9,9	14,4	20,2	22,7	27,5
Alternator								
Make	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori
Origin	Italy	Italy	Italy	Italy	Italy	Italy	Italy	Italy
Model	MJB 160 XA4	MJB 160 SB4	MJB 160 MB4	MJB 200 SA4	MJB 200 MA4	MJB 225 SA4	MJB 225 MA4	MJB 225 LA4
Alternator efficiency %	0,85	0,87	0,88	0,88	0,90	0,91	0,92	0,92
Dimensions in mm (Open set)								
Length	1400	1600	1800	1800	2100	2100	2100	2100
Width	750	800	800	800	1000	1000	1000	1000
Height	1200	1300	1950	1950	1950	1950	2100	2100
Weight (Dry): Kg	530	670	800	900	1000	1200	1600	1850
Dimensions in mm (Sound and Weather Proof set)								
Length	1900	2300	2400	2400	3300	3300	4000	4000
Width	700	1000	1000	1000	1000	1000	1000	1000
Height	1300	1950	1950	1950	2250	2250	2250	2250
Weight (Dry): Kg	720	830	950	1150	1300	1580	1980	2230

150 – 500 kVA Liquid-cooled generator range

MODELS	DDP 150	DDP 200	DDP 250	DDP 300	DDP 350	DDP 400	DDP 450	DDP 500
Performance								
kVA – Prime	157	203	250	311	358	432	457	508
kVA – Standby	165	224	268	349	388	478	527	559
Power factor	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Engine								
Make	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model	BF6M1013EC	BF6M1013FC	TCD 2013 L06 4V	BF6M1015C	BF6M1015C2	BF8M1015C	BF8M1015C2	BF8M1015CP
General								
Origin	Germany	Germany	Germany	Germany	Germany	Germany	Germany	Germany
Cooling System	Water	Water	Water	Water	Water	Water	Water	Water
Aspiration	Turbo	Turbo	Turbo	Turbo	Turbo	Turbo	Turbo	Turbo
kWm – Prime Power (Mechanical)	137,8	175,8	217,8	304,3	369,3	432,7	457,9	508,9
kWm – Standby Power (Mechanical)	145,8	193,8	238,4	300,2	334,3	407,3	449,7	475,9
No. of Cylinders	6	6	6	6	6	8	8	8
Speed – RPM	1500	1500	1500	1500	1500	1500	1500	1500
Fuel Consumption @ full load L/H	32,9	47,1	49,9	72,4	75,9	90,4	99,2	114,7
Alternator								
Make	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori	Marelli Motori
Origin	Italy	Italy	Italy	Italy	Italy	Italy	Italy	Italy
Model	MJB 250 MA4	MJB 250 LA4	MJB 250 LB4	MJB 315 SA4	MJB 315 SB4	MJB 315 MA4	MJB 315 MB4	MJB 355 SA4
Alternator efficiency %	0,93	0,93	0,93	0,93	0,93	0,93	0,94	0,94
Dimensions in mm (Open set)								
Length	2700	3000	3000	3000	3000	3200	3200	3200
Width	1200	1300	1300	1300	1300	1300	1300	1300
Height	2100	2450	2450	2450	2450	2600	2600	2600
Weight (Dry): Kg	2000	2400	2600	3000	3300	3800	4000	4300
Dimensions in mm (Sound and Weather Proof set)								
Length	4000	4050	4050	4550	4550	4550	4550	5000
Width	1000	1300	1300	1300	1300	1300	1300	1650
Height	2250	2050	2050	2050	2050	2050	2050	2300
Weight (Dry): Kg	2380	3500	3700	4100	4600	5100	5300	5800

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The engine company.

