

GENERATORS · STAGE V

EU STAGE V COMPLIANT MOBILE POWER

6 models · 4.4–120 kVA rated output

Diesel generating sets that meet EU Stage V emission limits, for construction, infrastructure and events in regulated and low-emission zones, with full rated power and the after-treatment built in.

4.4–120 kVA

RATED OUTPUT

4.4–96 kW

PRIME OUTPUT

230–400V

VOLTAGE

19.1 A

RATED CURRENT

APPLICATIONS

Construction sites

Urban projects

Low-emission zones

Infrastructure

Events

Rental fleets

WP-YN6PXD

4.4 kVA

WP-YN40PXD

40 kVA

WP-JC60PXD

60 kVA

4.4 **kVA**
RATED OUTPUT

Stage V compliant power for sites where emissions are regulated. The after-treatment is built in, so the set runs where older machines cannot.

PRIME POWER

4.4 kVA

RATED CURRENT

19.1 A

PRIME OUTPUT

4.4 kW

VOLTAGE

230V

YANMAR · MECCALTE



Yanmar L100V

APPLICATIONS

Construction sites · Urban projects · Low-emission zones · Infrastructure · Events · Rental fleets

TECHNICAL SPECIFICATION

OUTPUT

Prime power	4.4 kVA / 4.4 kW
Voltage, frequency, phase	230 V, 50 Hz, 1 ph
Rated current	19.1 A

ENGINE

Engine	Yanmar L100V
Mechanical output	5.7 kW
Configuration	1 cylinder in-line, 0.435 L
Aspiration and cooling	Naturally aspirated, air cooled
Emission standard	EU Stage V
Starting	12V / 1kW electric, 12V-45Ah lead acid, cold start aid

ALTERNATOR AND CONTROL

Alternator	Meccalte S20W 95
Control	Deep Sea Electronics DSE 3110
Outgoing protection	ABB 25A MCB
Sockets	1x16A, 1x32A at 230 V, 2x16A, 1x32A at 110 V

FUEL AND RUNNING

Consumption at 75 / 100%	0.8 / 1.2 L/h
Fuel tank	25 L
Runtime at 75% load	31 h

ENCLOSURE AND HANDLING

Noise level	68 dB(A) at 7 m
Dimensions (L x W x H)	960 x 580 x 815 mm
Weight	209 kg
Enclosure	Silent, CRCA

THE ENGINE

BUILT AROUND THE ENGINE.

Yanmar L100V drives this set: 0.435 litres, 1 cylinder, naturally aspirated.

DISPLACEMENT

0.435 L

CYLINDERS

1

CONSUMPTION

1.2 L/h

ASPIRATION

Naturally aspirated

40 **kVA**
RATED OUTPUT

Stage V compliant power for sites where emissions are regulated. The after-treatment is built in, so the set runs where older machines cannot.

PRIME POWER

40 kVA

VOLTAGE

400V

PRIME OUTPUT

32 kW

PHASE

3ph

YANMAR · MECCALTE



Yanmar 4TNV98CT

APPLICATIONS

Construction sites · Urban projects · Low-emission zones · Infrastructure · Events · Rental fleets

TECHNICAL SPECIFICATION

OUTPUT

Prime power	40 kVA / 32 kW
Voltage, frequency, phase	400 V, 50 Hz, 3-phase

ENGINE

Engine	Yanmar 4TNV98CT
Configuration	4 cylinder in-line, 3.319 L
Aspiration and cooling	TC, water cooled
Emission standard	EU Stage V
Starting	12V-100Ah lead acid

ALTERNATOR AND CONTROL

Alternator	Meccalte ECP322S 4V
Control	Deep Sea Electronics DSE 7320 / 7420
Outgoing protection	ABB 63A MCCB
Sockets	1x32A at 400 V, 3x32A at 230 V

FUEL AND RUNNING

Consumption at 75 / 100%	5.4 / 7.1 L/h
Fuel tank	190 L
Runtime at 75% load	35 h

ENCLOSURE AND HANDLING

Noise level	75 dB(A) at 7 m
Dimensions (L x W x H)	2100 x 1000 x 1615 mm
Weight	1120 kg
Enclosure	Silent, Galvanised steel, 275 gsm

THE ENGINE

BUILT AROUND THE ENGINE.

Yanmar 4TNV98CT drives this set: 3.319 litres, 4 cylinders, TC.

DISPLACEMENT

3.319 L

CYLINDERS

4

CONSUMPTION

7.1 L/h

ASPIRATION

TC

60 **kVA**
RATED OUTPUT

Stage V compliant power for sites where emissions are regulated. The after-treatment is built in, so the set runs where older machines cannot.

PRIME POWER

60 kVA

VOLTAGE

400V

PRIME OUTPUT

48 kW

PHASE

3ph

JCB · MECCALTE



JCB 430TAG-55

APPLICATIONS

Construction sites · Urban projects · Low-emission zones · Infrastructure · Events · Rental fleets

TECHNICAL SPECIFICATION

OUTPUT

Prime power	60 kVA / 48 kW
Voltage, frequency, phase	400 V, 50 Hz, 3-phase

ENGINE

Engine	JCB 430TAG-55
Mechanical output	53 kW
Configuration	4 cylinder in-line, 3 L
Aspiration and cooling	TCAE
Emission standard	EU Stage V
Starting	12V-150Ah

ALTERNATOR AND CONTROL

Alternator	Meccalte ECP322M 4V
Control	Deep Sea Electronics DSE 7320 / 7420
Outgoing protection	ABB 100A MCCB
Sockets	2x32A at 400 V, 3x32A at 230 V

FUEL AND RUNNING

Consumption at 75 / 100%	12 / 13.5 L/h
Fuel tank	310 L
Runtime at 75% load	26 h

ENCLOSURE AND HANDLING

Noise level	75 dB(A) at 7 m
Dimensions (L x W x H)	2900 x 1100 x 2070 mm
Weight	1900 kg
Enclosure	Silent, Galvanised steel, 275 gsm

THE ENGINE

BUILT AROUND THE ENGINE.

JCB 430TAG-55 drives this set: 3 litres, 4 cylinders, TCAE.

DISPLACEMENT

3 L

CYLINDERS

4

CONSUMPTION

13.5 L/h

ASPIRATION

TCAE

WP-JC80PXD

JCB · MECCALTE

80 **kVA**
RATED OUTPUT

Stage V compliant power for sites where emissions are regulated. The after-treatment is built in, so the set runs where older machines cannot.

PRIME POWER

80 kVA

VOLTAGE

400V

PRIME OUTPUT

64 kW

PHASE

3ph

JCB · MECCALTE



JCB 448TAG-81

APPLICATIONS

Construction sites · Urban projects · Low-emission zones · Infrastructure · Events · Rental fleets

TECHNICAL SPECIFICATION

OUTPUT

Prime power	80 kVA / 64 kW
Standby power	88 kVA / 70.4 kW
Voltage, frequency, phase	400 V, 50 Hz, 3-phase

ENGINE

Engine	JCB 448TAG-81
Mechanical output	77 kW
Configuration	4 cylinder in-line, 4.8 L
Aspiration and cooling	TCAE
Emission standard	EU Stage V
Starting	12V-150Ah

ALTERNATOR AND CONTROL

Alternator	Meccalte ECP341S 4V
Control	Deep Sea Electronics DSE 7320 / 7420
Outgoing protection	ABB 125A MCCB
Sockets	1x63A at 400 V, 3x32A at 230 V

FUEL AND RUNNING

Consumption at 75 / 100%	13 / 17.5 L/h
Fuel tank	310 L
Runtime at 75% load	24 h

ENCLOSURE AND HANDLING

Noise level	75 dB(A) at 7 m
Dimensions (L x W x H)	2900 x 1100 x 2070 mm
Weight	2000 kg
Enclosure	Silent, Galvanised steel, 275 gsm

THE ENGINE

BUILT AROUND THE ENGINE.

JCB 448TAG-81 drives this set: 4.8 litres, 4 cylinders, TCAE.

DISPLACEMENT

4.8 L

CYLINDERS

4

CONSUMPTION

17.5 L/h

ASPIRATION

TCAE

WP-JC100PXD

JCB · MECCALTE

100

kVA
RATED OUTPUT

Stage V compliant power for sites where emissions are regulated. The after-treatment is built in, so the set runs where older machines cannot.

PRIME POWER

100 kVA

VOLTAGE

400V

PRIME OUTPUT

80 kW

PHASE

3ph

JCB · MECCALTE



JCB 448TAG-112

APPLICATIONS

Construction sites · Urban projects · Low-emission zones · Infrastructure · Events · Rental fleets

TECHNICAL SPECIFICATION

OUTPUT

Prime power	100 kVA / 80 kW
Voltage, frequency, phase	400 V, 50 Hz, 3-phase

ENGINE

Engine	JCB 448TAG-112
Mechanical output	90 kW
Configuration	4 cylinder in-line, 4.8 L
Aspiration and cooling	TCAE
Emission standard	EU Stage V
Starting	12V-150Ah

ALTERNATOR AND CONTROL

Alternator	Meccalte ECP342S 4V
Control	Deep Sea Electronics DSE 7320 / 7420
Outgoing protection	ABB 160A MCCB
Sockets	1x32A, 1x63A at 400 V, 3x32A at 230 V

FUEL AND RUNNING

Consumption at 75 / 100%	15.5 / 21.5 L/h
Fuel tank	310 L
Runtime at 75% load	20 h

ENCLOSURE AND HANDLING

Noise level	75 dB(A) at 7 m
Dimensions (L x W x H)	2900 x 1100 x 2070 mm
Weight	2100 kg
Enclosure	Silent, Galvanised steel, 275 gsm

THE ENGINE

BUILT AROUND THE ENGINE.

JCB 448TAG-112 drives this set: 4.8 litres, 4 cylinders, TCAE.

DISPLACEMENT

4.8 L

CYLINDERS

4

CONSUMPTION

21.5 L/h

ASPIRATION

TCAE

WP-JC120PXD

JCB · MECCALTE

120

kVA
RATED OUTPUT

Stage V compliant power for sites where emissions are regulated. The after-treatment is built in, so the set runs where older machines cannot.

PRIME POWER

120 kVA

VOLTAGE

400V

PRIME OUTPUT

96 kW

PHASE

3ph

JCB · MECCALTE



JCB 448TAG-129

APPLICATIONS

Construction sites · Urban projects · Low-emission zones · Infrastructure · Events · Rental fleets

TECHNICAL SPECIFICATION

OUTPUT

Prime power	120 kVA / 96 kW
Voltage, frequency, phase	400 V, 50 Hz, 3-phase

ENGINE

Engine	JCB 448TAG-129
Mechanical output	110.4 kW
Configuration	4 cylinder in-line, 4.8 L
Aspiration and cooling	TCAE
Emission standard	EU Stage V
Starting	12V-150Ah

ALTERNATOR AND CONTROL

Alternator	Meccalte ECP341M 4V
Control	Deep Sea Electronics DSE 7320 / 7420
Outgoing protection	ABB 200A MCCB
Sockets	1x63A, 1x125A at 400 V, 3x32A at 230 V

FUEL AND RUNNING

Consumption at 75 / 100%	18 / 24 L/h
Fuel tank	310 L
Runtime at 75% load	17 h

ENCLOSURE AND HANDLING

Noise level	75 dB(A) at 7 m
Dimensions (L x W x H)	2900 x 1100 x 2070 mm
Weight	2200 kg
Enclosure	Silent, Galvanised steel, 275 gsm

THE ENGINE

BUILT AROUND THE ENGINE.

JCB 448TAG-129 drives this set: 4.8 litres, 4 cylinders, TCAE.

DISPLACEMENT

4.8 L

CYLINDERS

4

CONSUMPTION

24 L/h

ASPIRATION

TCAE

THE PLATFORM

ONE CABINET · EVERYTHING INSIDE

Yanmar L100V

Naturally aspirated · 0.435 L displacement · 1 cylinder

Meccalte alternator

Delivers 4.4 kVA at 230V, 50Hz, 1ph.

Deep Sea Electronics DSE 3110 controller

Auto start controller, used on WP-YN6PXD (6 kVA Stage V).

Acoustic enclosure

CRCA · 68dBA @ 7m

CHOOSE YOUR MODEL

SPECIFICATION	WP-YN6PXD	WP-YN40PXD	WP-JC60PXD	WP-JC80PXD	WP-JC100PXD	WP-JC120
Rated output	4.4 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Prime output	4.4 kW	32 kW	48 kW	64 kW	80 kW	96 kW
Rated voltage	230V	400V	400V	400V	400V	400V
Phase	1ph	3ph	3ph	3ph	3ph	3ph
Brand	Yanmar	Yanmar	JCB	JCB	JCB	JCB
Model	L100V	4TNV98CT	430TAG-55	448TAG-81	448TAG-112	448TAG-129
Cylinders	1	4	4	4	4	4
Displacement	0.435 L	3.319 L	3 L	4.8 L	4.8 L	4.8 L
Bore × stroke	86 × 75 mm	98 × 110 mm	92 × 112 mm	106 × 135 mm	106 × 135 mm	106 × 135 mm
Aspiration	Naturally aspirated	EC	TCAE	TCAE	TCAE	TCAE

WHY STAGE V GENERATORS

STAGE V COMPLIANT

Meets EU Stage V emission limits, so the set is cleared to work where older machines are excluded.

FULL POWER, FEWER EMISSIONS

After-treatment is integrated into the canopy without giving up rated output or footprint.

ACOUSTIC CANOPY

Sound-attenuated enclosure built for noise-sensitive sites and long overnight running.

DIGITAL CONTROL

Digital controller with protection, metering and remote monitoring options as standard.

BUILT FOR RENTAL

Forklift pockets, single-point lift and external filling for fast turnaround between hires.

SERVICED LOCALLY

Parts, service and project support across Ireland, Benelux and the Nordics.

Ready to size your Stage V Generators system?

Sales, after-sales and project support across the North Sea Region: Ireland, Benelux and the Nordics.

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