



## **BASIC LINE 60 – 220 kVA**

# THE NEW ENDRESS BASIC LINE

Problem-free use, also in winter through use of a standard engine and coolant prewarming

Manual / Automatic instrument panel

Individually fused sockets

Base frame with continuous fork-lift plates



Large steel tank

## CUMMINS FEATURES

The main battery switch



Second tank indicator on the fitting



Touch protection for rotating parts



Large maintenance doors



Prepared for access to the aggregate via smartphone, PC & tablet



## FEATURES OF RENTAL LINE RS

### Equipment features

Manual/Automatic instrument panel

Base frame with continuous fork-lift plates

Large steel tank

Problem-free use, also in winter through use of a standard engine and coolant prewarming

Prepared for access to the aggregate via smartphone, PC & tablet

The main battery switch



## THE NEW OPERATING UNIT



60 - 220 kVA

### Instrument panel

Displays	Digital
Operating mode	Auto / manual
Display - operation	
Start / Stop	Auto / buttons
Monitoring the mains voltage	✓
Alternator voltage 3-	✓
Alternator voltage 1-	✓
Current strength 3-	✓
Current strength 1-	✓
Frequency meter	✓
Operating hours counter	✓
Output	✓
Oil pressure	✓
Engine speed	✓
Warning messages - switching off	
Alternator over-/undervoltage	<b>A</b>
Alternator over-/underfrequency	<b>A</b>
Battery over-/undervoltage	<b>W</b>
Engine over / under rotational speed	<b>A</b>
Overload	<b>A</b>
Battery charger fault	<b>W</b>
Low fuel level	<b>W / A</b>
Low oil pressure	<b>A</b>
Start attempt failed	<b>W</b>
Fuses	
4-pole line circuit breaker	✓
FI circuit breaker	✓
EMERGENCY-STOP button	✓
Further equipment features	
E-RMA SIM	Option
E-RMA LAN	Option
Sockets	
CEE 400 V / 63 A	1
CEE 400 V / 32 A	1
CEE 400 V / 16 A	1
CEE 230 V / 16 A	1
230 V / 16 A	1

✓: Yes | **W**: Warning | **A**: Switching off

# TECHNICAL SPECIFICATIONS

## BASIC LINE 60 - 220 kVA

Model	ESE 65 CW/AS	ESE 80 CW/AS	ESE 110 CW/AS	ESE 150 CW/AS
Order No.	333 343	333 344	333 345	333 347
Max. output [LTP] kVA/kW 3-	61.6 / 49.3	88.0 / 70.4	110.0 / 88.0	148.5 / 118.8
Continuous power output [PRP] kVA/kW 3-	56.0 / 44.8	80.0 / 64.0	100.0 / 80.0	135.0 / 108.0
Alternator model	MeccAlte	MeccAlte	MeccAlte	MeccAlte
Design	Synchronous	Synchronous	Synchronous	Synchronous
Insulation	Class H	Class H	Class H	Class H
Rated voltage	400 V 3- /230 V 1-	400 V 3- /230 V 1-	400 V 3- /230 V 1-	400 V 3- /230 V 1-
Nominal current / Cos φ	80.8 / 0.8	115.5 / 0.8	144.3 / 0.8	194.9 / 0.8
Frequency / Regulation	50 / Electronic	50 / Electronic	50 / Electronic	50 / Electronic
Engine type	<b>CUMMINS</b> 4BTA3.9-G2(SO)	<b>CUMMINS</b> 4BTA3.9-G11(SO)	<b>CUMMINS</b> 6BT5.9-G1(SO)	<b>CUMMINS</b> 6BTA5.9-G2(S1)
Design	4-cylinder 4-stroke	4-cylinder 4-stroke	6-cylinder 4-stroke	6-cylinder 4-stroke
Cooling system	Water-cooled	Water-cooled	Water-cooled	Water-cooled
Displacement	3900 cm <sup>3</sup>	3900 cm <sup>3</sup>	5900 cm <sup>3</sup>	5900 cm <sup>3</sup>
Engine output (PRP)	50	70	86	106
Rotational speed (rpm) / regulation	1500 / Electronic	1500 / Electronic	1500 / Mechanical	1500 / Electronic
Fuel / tank capacity (litre)	Diesel / 90	Diesel / 90	Diesel / 160	Diesel / 220
Consumption / running time at 75% load of about <sup>(1)</sup>	10.1 l / 8.9 h	13.2 l / 6.8 h	17 l / 9.4 h	20 l / 11.0 h
Starting system / battery	E-Start / 2 x 12 V	E-Start / 2 x 12 V	E-Start / 2 x 12 V	E-Start / 2 x 12 V
Weight (kg)	1180	1360	1646	1712
Dimensions L × W × H (mm)	2345 x 1060 x 1260	2345 x 1060 x 1260	2910 x 1130 x 1675	3055 x 1130 x 1720

## BASIC LINE 60 - 220 kVA

Model	ESE 175 CW/AS	ESE 200 CW/AS	ESE 220 CW/AS
Order No.	333 348	333 349	333 350
Max. output [LTP] kVA/kW 3-	176.0 / 140.8	198.0 / 158.4	220.0 / 176.0
Continuous power output [PRP] kVA/kW 3-	160.0 / 128.0	180.0 / 144.0	200.0 / 160.0
Alternator model	MeccAlte	MeccAlte	MeccAlte
Design	Synchronous	Synchronous	Synchronous
Insulation	Class H	Class H	Class H
Rated voltage	400 V 3- /230 V 1-	400 V 3- /230 V 1-	400 V 3- /230 V 1-
Nominal current / Cos φ	230.9 / 0.8	259.8 / 0.8	288.7 / 0.8
Frequency / regulation	50 / Electronic	50 / Electronic	50 / Electronic
Engine type	<b>CUMMINS</b> 6BTA5.9-G12(SO)	<b>CUMMINS</b> 6CTA8.3-G1(S1)	<b>CUMMINS</b> 6CTA8.3-G2(S1)
Design	6-cylinder 4-stroke	6-cylinder 4-stroke	6-cylinder 4-stroke
Cooling system	Water-cooled	Water-cooled	Water-cooled
Displacement	5900 cm <sup>3</sup>	8300 cm <sup>3</sup>	8300 cm <sup>3</sup>
Engine output (PRP)	140	163	163
Rotational speed (rpm) / regulation	1500 / Electronic	1500 / Mechanical	1500 / Electronic
Fuel / tank capacity (litre)	Diesel / 290	Diesel / 360	Diesel / 360
Consumption / running time at 75% load of about <sup>(1)</sup>	26 l / 11.2 h	31 l / 11.6 h	34 l / 10.5 h
Starting system / battery	E-Start / 2 x 12 V	E-Start / 2 x 12 V	E-Start / 2 x 12 V
Weight (kg)	1814	2300	2360
Dimensions L × W × H (mm)	3055 x 1130 x 1720	3415 x 1160 x 1945	3415 x 1160 x 1945

<sup>(1)</sup> These data are average values; deviations can occur in individual cases which is why they are not binding

# ENDRESS

## Power Generators

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