

PowerSources

GENERATOR MPL 550 A

1500 rpm - diesel - 50 Hz - three-phase 230/400 V - on skid - in 20' container,
dimensions (LxHxh): 6055x2437x2590 mm - watercooled - electric starting -
complete with automatic control panel type AM20

TECHNICAL FEATURES (AS PER ISO 8528/1 NORMATIVES)

cont. output P.F. 0.8	KVA 550
max output P.F. 0.8	KVA 605
frequency	50Hz
1500 rpm	
voltage	230/400V

ENGINE

type	PERKINS 3012 TG
	1500 rpm
	diesel - 4 stroke
	watercooled

SYNCHRONOUS ALTERNATOR

- of primary Italian trade mark
- insulation class for stator and rotor: H
- protection grade: IP 23
- self regulated, self excited
- 4 pole (3PH+N)

STANDARD EQUIPMENT

- engine: PERKINS 3012 TG
- oil and fuel filters
- starting battery included
- synchronous, self excited, self regulated alternator of primary Italian trade mark
- three-phase and single-phase output
- single support direct coupling
- base in electrowelded steel with engine/alternator block on vibration-damping mounts
- incorporated fuel tank according to fire service regulations
- exhaust muffler
- automatic control panel type AM20 (see enclosed)

PowerSources

GENERATOR MPL 700 A

1500 rpm - diesel - 50 Hz - three-phase 230/400 V - on skid - in 20' container,
dimensions (LxIxh): 6055x2437x2590 mm - watercooled - electric starting -
complete with automatic control panel type AM20

TECHNICAL FEATURES (AS PER ISO 8528/1 NORMATIVES)

cont. output P.F. 0.8	KVA 630
max output P.F. 0.8	KVA 693
frequency	50Hz
1500 rpm	
voltage	230/400V

ENGINE

type	PERKINS 3012 TAG 1A
	1500 rpm
	diesel - 4 stroke
	watercooled

SYNCHRONOUS ALTERNATOR

- of primary Italian trade mark
- insulation class for stator and rotor: H
- protection grade: IP 23
- self regulated, self excited
- 4 pole (3PH+N)

STANDARD EQUIPMENT

- engine: PERKINS 3012 TAG 1A
- oil and fuel filters
- starting battery included
- synchronous, self excited, self regulated alternator of primary Italian trade mark
- three-phase and single-phase output
- single support direct coupling
- base in electrowelded steel with engine/alternator block on vibration-damping mounts
- incorporated fuel tank according to fire service regulations
- exhaust muffler
- automatic control panel type AM20 (see enclosed)

PowerSources

GENERATOR MPL 800 A

1500 rpm - diesel - 50 Hz - three-phase 230/400 V - on skid - in 20' container,
dimensions (LxHxh): 6055x2437x2590 mm - watercooled - electric starting -
complete with automatic control panel type AM20

TECHNICAL FEATURES (AS PER ISO 8528/1 NORMATIVES)

cont. output P.F. 0.8	KVA 720
max output P.F. 0.8	KVA 792
frequency	50Hz
1500 rpm	
voltage	230/400V

ENGINE

type	PERKINS 3012 TAG 2A
	1500 rpm
	diesel - 4 stroke
	watercooled

SYNCHRONOUS ALTERNATOR

- of primary Italian trade mark
- insulation class for stator and rotor: H
- protection grade: IP 23
- self regulated, self excited
- 4 pole (3PH+N)

STANDARD EQUIPMENT

- engine: PERKINS 3012 TAG 2A
- oil and fuel filters
- starting battery included
- synchronous, self excited, self regulated alternator of primary Italian trade mark
- three-phase and single-phase output
- single support direct coupling
- base in electrowelded steel with engine/alternator block on vibration-damping mounts
- incorporated fuel tank according to fire service regulations
- exhaust muffler
- automatic control panel type AM20 (see enclosed)

PowerSources

GENERATOR MPL 1000 A

1500 rpm - diesel - 50 Hz - three-phase 230/400 V - on skid - in 30' container,
dimensions (LxHxh): 9125x2437x2590 mm - watercooled - electric starting -
complete with automatic control panel type AM20

TECHNICAL FEATURES (AS PER ISO 8528/1 NORMATIVES)

cont. output P.F. 0.8	KVA 1021
max output P.F. 0.8	KVA 1128
frequency	50Hz
1500 rpm	
voltage	230/400V

ENGINE

type	CUMMINS KTA 38 G5
	1500 rpm
	diesel - 4 stroke
	watercooled

SYNCHRONOUS ALTERNATOR

- of primary Italian trade mark
- insulation class for stator and rotor: H
- protection grade: IP 23
- self regulated, self excited
- 4 pole (3PH+N)

STANDARD EQUIPMENT

- engine: CUMMINS KTA 38 G5
- oil and fuel filters
- starting battery included
- synchronous, self excited, self regulated alternator of primary Italian trade mark
- three-phase and single-phase output
- single support direct coupling
- base in electrowelded steel with engine/alternator block on vibration-damping mounts
- incorporated fuel tank according to fire service regulations
- exhaust muffler
- automatic control panel type AM20 (see enclosed)

PowerSources

GENERATOR MPL 1300 A

1500 rpm - diesel - 50 Hz - three-phase 230/400 V - on skid - in 30' container,
dimensions (LxIxh): 9125x2437x2590 mm - watercooled - electric starting -
complete with automatic control panel type AM20

TECHNICAL FEATURES (AS PER ISO 8528/1 NORMATIVES)

cont. output P.F. 0.8	KVA 1276
max output P.F. 0.8	KVA 1430
frequency	50Hz
1500 rpm	
voltage	230/400V

ENGINE

type	CUMMINS KTA 50 G3
	1500 rpm
	diesel - 4 stroke
	watercooled

SYNCHRONOUS ALTERNATOR

- of primary Italian trade mark
- insulation class for stator and rotor: H
- protection grade: IP 23
- self regulated, self excited
- 4 pole (3PH+N)

STANDARD EQUIPMENT

- engine: CUMMINS KTA 50 G3
- oil and fuel filters
- starting battery included
- synchronous, self excited, self regulated alternator of primary Italian trade mark
- three-phase and single-phase output
- single support direct coupling
- base in electrowelded steel with engine/alternator block on vibration-damping mounts
- incorporated fuel tank according to fire service regulations
- exhaust muffler
- automatic control panel type AM20 (see enclosed)

**DESCRIPTION OF CONTROL PANEL TYPE AM20
FOR MPL OVER 125 KVA**

Control unit with microprocessor for measurements and controls of the generating set.

INSTRUMENTS:

- analogical ammeter
- electronic alarm horn
- concatenate net voltage L1-L2/L2-L3/ L3-L1
- concatenate group voltage L1-L2
- frequency
- voltage
- hourmeter
- alarm and monitoring panel
- 3-digit display indicating: measures
alarms
messages
errors

FUNCTIONS:

- control of relay voltage -30% +20% and of dissymmetry
- engine stop during energising and dropout
- delay for automatic starting by voltage absence
- five automatic starting attempts
- possibility to program horn sound time
- gen use delay
- net/gen switching delay
- net return delay for verification of planned values
- engine cooling time before stop
- automatic stop
- pauses for automatic test (periodic test)
- planned maintenance pause
- low engine functioning
- glow plug pre-heating
- indication of started engine D+/Hz/Volt
- automatic battery charger: 2A 0/125 KVA
5A 150/500 KVA
8A 600/1000 KVA
10A 1100/2000 KVA

CONTROLS:

- buttons for functioning choice (off-man-aut-test)
- start/stop buttons in manual mode
- on/off buttons for manual switching
- button for reset and measure display
- alarms in memory

PROTECTIONS:

- A01 low oil pressure
- A02 engine overheating
- A03 low fuel level
- A04 starting failure
- A05 low battery voltage
- A06 high battery voltage
- A07 charger alternator failure
- A08 min. & max. generator voltage
- A09 max. gen frequency
- A10 min. gen frequency
- A11 generator overload
- A12 engine stop failure
- A13 emergency stop
- A14 unforeseen stop
- A15 maintenance requested
- A16 net contactor anomaly
- A17 gen contactor anomaly
- A18 possible anomaly 1
- A19 possible anomaly 2
- A20 possible anomaly 3
- A21 possible anomaly 4

FUNCTION CODES:

- Sta - automatic start
- Sto - automatic stop
- Co0 - cooling time
- A.te. - automatic test
- E.te. - remote automatic start