

STAR / WATER COOLED

MSW Series

10-45P



Designed to be multipurpose, strong and user friendly.
Suitable for numerous applications due to large list of optional extras.
High quality standards and reliability.



Main applications:

- Construction
- Mobile Workshop
- Emergency stand-by (residential / industry)
- Prime power applications



BASE FRAME MADE OF WELDED STEEL PROFILE, COMPLETE WITH:

- Steel base frame with support legs (welded or screwed)
- Anti-vibration mountings properly sized
- Grounding point to connect all metal parts of the generator



EXHAUST SILENCER WITH RAIN FLAP



MOVING AND ROTATING PARTS PROTECTION AGAINST ACCIDENTAL CONTACTS



NICHE FOR EXTERNAL EMERGENCY PUSH-BUTTON

GENERATING SET MSW10P MSW15P MSW22P MSW30P MSW45P

MAIN DATA

	kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe
POWER RATING										
STAND BY POWER - LTP	10,0	8,0	14,3	11,5	21,5	17,2	32,5	26,0	48,0	38,4
PRIME POWER - PRP	9,0	7,2	12,9	10,3	20,1	16,1	30,5	24,4	45,7	36,6
VOLTAGE	400/230V		400/230V		400/230V		400/230V		400/230V	
FREQUENCY	50Hz		50Hz		50Hz		50Hz		50Hz	

DIESEL ENGINE

	Perkins	Perkins	Perkins	Perkins	Perkins
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	403D-11G	403D-15G	404D-22G	1103A-33G	1103A-33TG1
NUMBER OF CYLINDERS / DISPLACEMENT (cc)	3 in line / 1131	3 in line / 1496	4 in line / 2216	3 in line / 3300	3 in line / 3300
ASPIRATION	Natural	Natural	Natural	Natural	Turbocharged
COOLING SYSTEM	Water	Water	Water	Water	Water
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12V	Electric / 12V	Electric / 12V	Electric / 12V	Electric / 12V
SPEED (rpm)	1500	1500	1500	1500	1500
SPEED GOVERNOR (Type)	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND-BY POWER (LTP) (kWm)	9,5	13,5	20,6	31,0	46,5
PRIME POWER (PRP) (kWm)	8,6	12,2	18,7	28,2	42,2
FUEL CONSUMPTION @ 75% PRP (l/h)	2,0	2,7	4,0	5,4	8,2

ALTERNATOR

	Brushless	Brushless	Brushless	Brushless	Brushless
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Digital	Digital	Digital	Digital	Digital

GENSET VERSION OPEN CANOPY OPEN CANOPY OPEN CANOPY OPEN CANOPY OPEN CANOPY

FUEL TANK

	-	Plastic	-	Plastic	-	Plastic	-	Plastic	-	Plastic
MATERIAL	-	Plastic	-	Plastic	-	Plastic	-	Plastic	-	Plastic
CAPACITY (L)	-	68	-	68	-	68	-	68	-	68
AUTONOMY @ 75% PRP (h)	-	34,2	-	24,8	-	17,1	-	12,6	-	8,3

NOISE LEVEL

NOISE POWER (LWA) - dB(A)	-	95	-	87	-	87	-	93	-	95
NOISE PRESSURE @ 7 m - dB(A)	-	66	-	58	-	58	-	64	-	66

OVERALL DIMENSIONS

LENGTH (mm)	-	1800	-	1800	-	1800	-	2000	-	2000
WIDTH (mm)	-	850	-	850	-	850	-	920	-	920
HEIGHT (mm)	-	1260	-	1260	-	1260	-	1310	-	1310
DRY WEIGHT (Kg)	-	745	-	745	-	730	-	877	-	958



MCP - Manual control panel

Mounted on the generator and complete of: analogue instrumentation, control, module for engine protection, secured with lockable door.

INSTRUMENTATION (ANALOGUE)

- Voltmeter (1 phase)
- Ammeter (1 phase)
- Hour meter

COMMANDS

- Start/stop selector switch with key
- Emergency stop button

PROTECTION WITH ALARM

- Low fuel level
- Battery charger failure
- Low oil pressure
- High engine temperature
- Earth Fault

PROTECTION WITH SHUTDOWN

- Low fuel level
- Battery charger failure
- Low oil pressure
- High engine temperature
- Circuit breaker protection: III poles
- Emergency stop button

OTHER PROTECTION

- Panel secured with lockable door

POWER OUTPUT

- Sockets kit with thermal protection
- n°1: 3P+N+T CEE 400V 63A (MSW30/45P)
- n°1: 3P+N+T CEE 400V 32A (MSW10/15/22P)
- n°1: 3P+N+T CEE 400V 16A
- n°1: 2P+T CEE 230V 16A
- n°1: 230V 16A SCHUKO



ACP - Automatic control panel

Automatic control panel mounted on the generator, complete with digital control unit AMF26P for monitoring, control and module for engine protection.

DIGITAL INSTRUMENTATION (AMF-26P)

- Mains voltage
- Generator voltage (3 phases)
- Generator frequency
- Generator current (3 phases)
- Battery voltage
- Hour meter

COMMANDS AND OTHER

- Four operation modes: OFF - Manual - Automatic - Automatic test
- Push-button for forcing Mains contactor or Generator contactor
- Push-buttons: start/stop, fault reset, up/down/page/enter selection
- Emergency stop button
- Remote starting availability
- DC system disconnection switch
- Automatic battery charger
- Password security option

PROTECTION

- Engine protection: low oil pressure, high engine temperature
- Generator protection: under/over voltage, overload, under/over battery voltage
- Circuit breaker protection: III poles
- Differential protection

OUTPUT PANEL ACP

- Plinth row for connection from ACP to LTS panel
- Sockets 3P+N+T CEE 400V 32A n 1 (Model: MSW10-15-22)
- Sockets 3P+N+T CEE 400V 63A n 1 (Model: MSW30-45)



www.masonsgenerators.com

MASONS DISTRIBUTOR IN YOUR AREA IS:

PR MIDDLE EAST FZE

1206 JAFZA View 18, P.O. Box 262478 - Jebel Ali Free Zone - South 1, Dubai
Tel.: +971 4 8865275 - Fax: +971 4 8865276