

SCHEDA TECNICA / TECHNICAL DATA SHEET / FICHE TECHNIQUE / FICHA TECNICA

GP3100

1500 rpm - 50 Hz
 1800 rpm - 60 Hz
MTU

3^{ph}

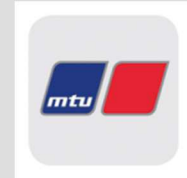
Trifase
 Three phase
 Triphasé
 Trifásico



Raffreddato ad acqua
 Water cooled
 Refroidi à eau
 Refrigerado por agua



Motore Diesel
 Engine Diesel
 Moteur Diesel
 Motor Diesel



GP3100A/M



| PRESTAZIONI DEL GRUPPO | EQUIPMENT SPECIFICATION | PERFORMANCES DU GROUP | PRESTACIÓN DEL GRUPO | 50Hz | 60Hz |
|----------------------------------|------------------------------------|---|---------------------------------|------------------|------------------|
| PRP | PRP | PRP | PRP | 2800 kVA | / |
| LTP | LTP | LTP | LTP | 3080 kVA | / |
| Fattore di Potenza | Power factor | Facteur de puissance | Factor de potencia | 0,8 | |
| PRP | PRP | PRP | PRP | 2240 kW | / |
| LTP | LTP | LTP | LTP | 2464 kW | / |
| Tensione disponibile ai morsetti | Voltage available to the terminals | Voltage disponible aux bornes de sortie | Tensión disponible a la bornera | 400/230 V | 460/265 V |

According to the following directives:

Machinery directive: 2006/42/EC
 Low Voltage Directive: 2014/35/UE
 CEM Directive: 2014/30/UE
 Noise directive: 2000/14/EC
 Ratings definitions according to ISO8528-1:2005
 Reference conditions: Altitude: 100 m / Temperature: 30 °C / Relative humidity: 30%

Standards

Application, ratings and performance of generating set : ISO 8528 – 1 à 10
 Application, ratings and performance of generating set : EN 12601

PRP - Prime Power: It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the prime power. A 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation.

LTP - Limited-Time running Power: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.



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 ●○● MADE IN ITALY



| MOTORE | ENGINE | MOTEUR | MOTOR | 50Hz | 60Hz |
|-------------------------------------|---------------------------------|--|-------------------------------------|--|-------------|
| Costruttore e tipo | Brand and model | Constructeur et modèle | Constructor y tipo | MTU 20V 4000 G24F | |
| Regolatore di giri | Governor type | Régulateur de tours | Regolator de giros | Electronico Electronic Électronique Electrónico | |
| Batteria al piombo | Lead acid batteries | Batterie de mise en marche au Pb | Bateria en plombo | 24V 220Ah | |
| Livello di emissioni | Emission level | Niveau d'émissions | Nnivel de emisiones | Not Emissioned | |
| Potenza Max | Max power | Puissance max | Potencia max | 3620 Hp | / |
| N. giri/min | R.P.M. | N. tours/min. | N. giros/min. | 1500 | 1800 |
| N. cilindri | Cylinders | N. cylindres | N. cilindros | 20 | |
| Cilindrata | Displacement | Cylindrée totale | Cilindrada | 95400 cc | |
| Consumo specifico al 75% del carico | Fuel consumption at 75% of load | Consommation spécifique à 75% de la charge | Consumo de combustible al 75% carga | 410 L/h | / |

According to the standards : ISO 3046 / BS 5514 / DIN 6271



| ALTERNATORE | ALTERNATOR | ALTERNATEUR | ALTERNADOR | 50Hz | 60Hz |
|---|--|--|---|------------------------------------|----------|
| Costruttore e tipo | Brand and model | Constructeur et modèle | Constructor y tipo | MARELLI MJB 560 LA4 (*) | |
| Sincrono con regolazione elettronica della tensione | Synchronous with electronic governor voltage | Synchrone avec régulation électronique de la tension | Sincrónico con regulación electrónica de la tensión | ±0,5% | |
| N° poli | Pole | N° pôles | N° polos | 4 | |
| Classe aumento di temperatura | Temperature rise class | Class de échauffement | Clase de aumento de la temperatura | H | |
| Classe isolamento statore/rotore | Stator/rotator insulation | Classe isolation stator/rotor | Clase de aislamiento estador/rotor | H | |
| Grado di protezione | Protection level | Degré de protection | Grado de protección | IP23 | |
| Potenza continua | Continuous power | Puissance continue | Potencia continua | 3200 kVA | / |

According to the standards : EN 60034-1 / VDE 0530 / IEC 60034-1 / BS 4999-5000

(*) = o equivalente di marca primaria / or similar brand / ou équivalent / o equivalente de marca primaria



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GP3100A/M



GRUPPI APERTI

| | |
|---|--|
| Telaio autoportante elettrosaldato in acciaio al carbonio UPN con serbatoio giornaliero integrato | Supporti antivibranti tra motore/alternatore e telaio di serie su tutti i gruppi elettrogeni |
| Verniciatura a liquido RAL 9005 | Galleggiante tubolare facilmente estraibile |
| Tappo rifornimento serbatoio carburante da 2" | Marmitta industriale |
| Tappo di drenaggio serbatoio carburante sul telaio | Rete di protezione alette radiatore |
| Fori sul telaio per movimentazione gruppo | Quadro elettrico in posizione posteriore |
| Fori sul telaio per fissaggio al pavimento | |

OPEN TYPE

| | |
|--|---|
| Heavy-duty electro welded carbon steel frame UPN with integrated daily fuel tank | Antivibration mountings between engine/alternator and frame |
| Liquid Painting RAL 9005 | Tubular float easily extractable |
| 2" tank cap | Industrial silencer |
| Drainage tank cap under the frame | Fan radiator guards |
| Holes on the frame for handling genset | Electric control panel located on the back side of the genset |
| Holes on the frame to fix the genset to the ground | |

GROUPES OUVERTS

| | |
|--|---|
| Châssis autoportant soude électriquement en acier au carbone UPN avec réservoir journalier intégré | Supports anti-vibrants entre moteur/alternateur y châssis standards sur tous les groupes électrogènes |
| Peinture liquide RAL 9005 | Flotteur tubulaire facilement extractible |
| Bouchon de ravitaillement du réservoir du carburant de 2" | Silencieux de type industriel |
| Bouchon de drainage réservoir carburant sur le châssis | Filet de protection pour radiateur à ailettes |
| Trou sur le châssis pour movimentation du groupe | Panneau électrique monté en position postérieure sur le groupe électrogène |
| Trou sur les châssis pour fixation au sol | |

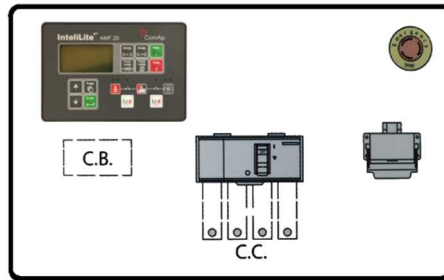
GENERADORES ABIERTOS

| | |
|--|---|
| Chasis electrosoldado en acero al carbono UPN con tanque integrado | Soporte antivibratorios entre motor/alternator y chasis |
| Pintura en liquido RAL 9005 | Flotador tubular fácilmente extraible |
| Tapón abastecimiento tanque de 2" | Silenciador industrial |
| Tapón de drenaje tanque bajo el chasis | Renilla de protección aletas radiador |
| Foros en el chasis para movimentación grupo | Quadro eléctrico en posición posterior |
| Foro para fijación grupo al suelo | |

| | | | | |
|-------------------------------------|----------------------|-----------------------------|------------------------------------|------------------------------------|
| Serbatoio incorporato nel basamento | Integrated fuel tank | Réservoir carburant intégré | Tanque incorporado en el basamento | 600 L |
| Dimensioni (mm) | Dimensions (mm) | Dimensions (mm) | Dimensiones (mm) | Approx.. 6000x3000x3000 |
| Peso (Kg) | Weight (Kg) | Poids (Kg) | Peso (Kg) | N.A. |

QUADRI AUTOMATICI AUTOMATIC CONTROL PANELS TABLEAUX AUTOMATIQUES DE COMMANDE CUADRO DE CONTROL AUTOMÁTICO

“A”



| | | | | |
|--|--|--|---|-----------------------|
| Interruttore magnetotermico | Magnetothermic circuit breaker | Disjoncteur magnétothermique | Interruptor magnetotermico | 5000 A |
| Allaccio diretto al magnetotermico | Direct connection to the circuit breaker | Connexion directe au disjoncteur | Conexión directa al interruptor magnetotérmico | STANDARD |
| Centralina avviamento automatico bordo macchina senza commutazione | Autostart on board w/o change over | Panneau de commande automatique sans inverseur de source | Cuadro de arranque automático a borde máquina sin conmutación | COMAP AMF 25NT |
| Carica batterie automatico | Automatic battery charger | Chargeur del Batterie Autom. | Cargador de batería automático | 10 A |
| Allaccio commutazione | Change over connection | Connexion pour inverseur de source | Conexión para conmutación | STANDARD |
| Pulsante di arresto di emergenza | Emergency stop button | Bouton d'arrêt d'urgence | Botón de parada de emergencia | STANDARD |


AMF25NT



Centralina elettronica a microprocessore programmabile, display grafico LCD retro illuminato

Funzioni MAN / TEST / AUTO / OFF, visualizzazione di tutti i parametri elettrici del motore e del generatore, delle funzioni, stati del gruppo elettrogeno, comando manuale e automatico delle commutazioni, Lettura delle 3 tensioni rete, 3 tensioni gruppo, 3 correnti gruppo, Hz rete e gruppo, contagiri, Vdc, Vd+, KW - KVA - KWh - Cosfi. 25 segnalazioni allarmi e 9 preallarmi. Storico allarmi, Protezioni integrate di min e max tensione, frequenza, sovraccarico e corto circuito. Uscita seriale RS232 per programmazione da pc. Software gestione MODEM per telecontrollo (optional)

Electronic control unit and a programmable microprocessor, LCD display with backlight

Off/Auto/test controls, Display of all parameters of the engine and alternator. Diagnostic information of the gen set, Automatic and manual control of the contactors, Mains voltage (on 3 phases), gen set voltage (on 3 phases), 3 gen set current, mains and gen set frequency, RPM counter, Vdc Battery, D+Voltage, KW - KVA - KWh - Cosfi. Average 25 alarm messages and 9 pre-alarm. Alarm history, Overvoltage / under voltage shutdown, overfrequency shutdown, overload shutdown. Short circuit shutdown. Serial interface RS 232 for PC. Software for MODEM (available on request)

Coffret électronique avec microprocesseur programmable, Ecran de visualisation LCD

Mode de Fonctionnement MAN/TEST/AUTO/OFF, Visualisations des paramètres du moteur et de l'alternateur, des mesures et état du groupe électrogène, Commande manuel et automatique des contacteurs, Lecture de 3 tensions de réseau, 3 courants du groupe, fréquence côté réseau et côté groupe, Compte tours, Vdc, VD+, KW - KVA - KWh - Cosfi. 25 signalisation des alarmes et 9 pre-alarmes. Histoire des alarmes, Protections min/max tension, fréquence, surcharge, court-circuit. Porte RS 232 et programmation du computer. Software pour le branchement d'un MODEM (sur demande)

Central electrónica para grupos con microprocesador programable, Pantalla LCD gráfica,

Funciones MAN / TEST / AUTO / OFF, Visualización de todos los parámetros eléctrico del motor y del generador, de las funciones y de los estados del grupo elctrógenos, Mando manual y automático de los tableros de transferencia Lectura de las 3 tensiones red, 3 tensiones de grupo, 3 corrientes de grupo Hz, red y grupo, cuentavueltas, Vdc, Vd+, KW - KVA - KWh - Cosfi. 25 señalizaciones de alarmas y 9 prealarmas. Historia de los alarmas, protección min/max tensión, frecuencia, sobrecarga y cortocircuito. Interfaz RS232 para programación del ordenador. Software para MODEM para control remoto (accesorio)

Su richiesta è disponibile la nostra gamma completa di accessori – Full range of optional available on request

Tous les accessoires son disponibles sur demande – està disponible, bajo petición, nuestra gama de accesorios



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