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●○● MADE IN ITALY



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

# GP33-SV

1500 rpm - 50 Hz  
1800 rpm - 60 Hz  
**YANMAR**

**3<sup>ph</sup>**

Trifase  
Three phase  
Triphasé  
Trifásico



Raffreddato ad acqua  
Water cooled  
Refroidi à eau  
Refrigerado por agua



Motore Diesel  
Engine Diesel  
Moteur Diesel  
Motor Diesel



## GP33 A/Y-SV



## GP33 S/Y-SV



| PRESTAZIONI DEL GRUPPO           | EQUIPMENT SPECIFICATION            | PERFORMANCES DU GROUP                   | PRESTACIÓN DEL GRUPO            | 50Hz      | 60Hz      |
|----------------------------------|------------------------------------|-----------------------------------------|---------------------------------|-----------|-----------|
| PRP                              | PRP                                | PRP                                     | PRP                             | 30 kVA    | /         |
| ESP                              | ESP                                | ESP                                     | ESP                             | 33 kVA    | /         |
| Fattore di Potenza               | Power factor                       | Facteur de puissance                    | Factor de potencia              | 0,8       |           |
| PRP                              | PRP                                | PRP                                     | PRP                             | 24 kW     | /         |
| ESP                              | ESP                                | ESP                                     | ESP                             | 26,4 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.

**ESP** – Emergency Standby Power: It is defined as the maximum power available during a variable electrical power sequence, under the stated operating condition, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hours of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.



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| MOTORE                              | ENGINE                          | MOTEUR                                     | MOTOR                               | 50Hz                                                               | 60Hz        |
|-------------------------------------|---------------------------------|--------------------------------------------|-------------------------------------|--------------------------------------------------------------------|-------------|
| Costruttore e tipo                  | Brand and model                 | Constructeur et modèle                     | Constructor y tipo                  | <b>YANMAR 4TNV98C</b>                                              |             |
| Regolatore di giri                  | Governor type                   | Régulateur de tours                        | Regolator de giros                  | <b>Elettronico<br/>Electronic<br/>Électronique<br/>Electrónico</b> |             |
| Batteria al piombo                  | Lead acid batteries             | Batterie de mise en marche au Pb           | Batería en plombo                   | <b>12V 100Ah</b>                                                   |             |
| Livello di emissioni                | Emission level                  | Niveau d'émissions                         | Nivel de emisiones                  | <b>Stage V</b>                                                     |             |
| Potenza Max                         | Max power                       | Puissance max                              | Potencia max                        | <b>48,5 Hp</b>                                                     | <b>/</b>    |
| N. giri/min                         | R.P.M.                          | N. tours/min.                              | N. giros/min.                       | <b>1500</b>                                                        | <b>1800</b> |
| N. cilindri                         | Cylinders                       | N. cylindres                               | N. cilindros                        | <b>4</b>                                                           |             |
| Cilindrata                          | Displacement                    | Cylindrée totale                           | Cilindrada                          | <b>3319 cc</b>                                                     |             |
| 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 | <b>6,8 L/h</b>                                                     | <b>/</b>    |

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                                  | <b>STAMFORD S0L2-P (*)</b> |          |
| 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 | <b>AS540 ±1%</b>           |          |
| N° poli                                             | Pole                                         | N° pôles                                             | N° polos                                            | <b>4</b>                   |          |
| Classe aumento di temperatura                       | Temperature rise class                       | Class de échauffement                                | Clase de aumento de la temperatura                  | <b>H</b>                   |          |
| Classe isolamento statore/rotore                    | Stator/rotator insulation                    | Classe isolation stator/rotor                        | Clase de aislamiento estador/rotor                  | <b>H</b>                   |          |
| Grado di protezione                                 | Protection level                             | Degré de protection                                  | Grado de protección                                 | <b>IP23</b>                |          |
| Potenza continua                                    | Continuous power                             | Puissance continue                                   | Potencia continua                                   | <b>30 kVA</b>              | <b>/</b> |

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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### GRUPPI APERTI

|                                                                                               |                                                                                              |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Telaio autoportante elettrosaldato in acciaio al carbonio 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 sotto al telaio                                       | Rete di protezione alette radiatore                                                          |
| Piedini / tasche per sollevamento con carrello elevatore                                      | Quadro elettrico in posizione posteriore                                                     |
| Foro per fissaggio gruppo al suolo sui piedini                                                |                                                                                              |

### OPEN TYPE

|                                                                              |                                                               |
|------------------------------------------------------------------------------|---------------------------------------------------------------|
| Heavy-duty electro welded carbon steel frame 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                                           |
| Forklift truck pockets                                                       | Electric control panel located on the back side of the genset |
| Hole on the legs to fix the genset to the ground                             |                                                               |

### GROUPES OUVERTS

|                                                                                                |                                                                                             |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Châssis autoportant soude électriquement en acier au carbone avec réservoir journalier intégré | Supports anti-vibrants entre moteur/alternateur y châssis 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 positionné sous le châssis                             | Filet de protection pour radiateur à ailettes                                               |
| Béquilles de levage                                                                            | Panneau électrique monté en position postérieure sur le groupe électrogène                  |
| Trou sur les béquilles pour fixation groupe au sol                                             |                                                                                             |

### GENERADORES ABIERTOS

|                                                                |                                                         |
|----------------------------------------------------------------|---------------------------------------------------------|
| Chasis electrosoldado en acero al carbono con tanque integrado | Soporte antivibratorios entre motor/alternator y chasis |
| Pintura en liquido RAL 9005                                    | Flotador tubular fácilmente extraíble                   |
| Tapón abastecimiento tanque de 2"                              | Silenciador industrial                                  |
| Tapón de drenaje tanque bajo el chasis                         | Renilla de protección aletas radiador                   |
| Pies para levantamiento con carretilla elevadora               | Cuadro 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 | 70 L          |
| Dimensioni (mm)                     | Dimensions (mm)      | Dimensions (mm)             | Dimensiones (mm)                   | 1750x700x1100 |
| Peso (Kg)                           | Weight (Kg)          | Poids (Kg)                  | Peso (Kg)                          | 570           |



## QUADRI MANUALI MANUAL CONTROL PANELS TABLEAUX MANUELS DE COMMANDE CUADRO DE CONTROL MANUAL



|                                     |                                     |                                 |                                         |                           |
|-------------------------------------|-------------------------------------|---------------------------------|-----------------------------------------|---------------------------|
| Interruttore magnetotermico         | Magnetothermal circuit breaker      | Disjoncteur magnétothermique    | Interruptor magnetotermico              | <b>50A</b>                |
| Differenziale                       | Earth fault device                  | Interrupteur différentiel       | Interruptor diferencial                 | <b>0,03 A</b>             |
| Presa                               | Socket                              | Prise                           | Enchufe                                 | <b>CEE 63A 400V 5P</b>    |
| Presa                               | Socket                              | Prise                           | Enchufe                                 | <b>CEE 16A 230V 3P</b>    |
| Presa                               | Socket                              | Prise                           | Enchufe                                 | <b>CEE 32A 400V 5P</b>    |
| Centralina manuale                  | Manual control unit                 | Unité de commande manuelle      | Unidad de control manual                | <b>LOVATO<br/>RGK 420</b> |
| Allaccio quadro automatico separato | Separate automatic panel connection | Connecteur pour coffret séparée | conexión para panel de control separado | <b>STANDARD</b>           |
| Pulsante di arresto di emergenza    | Emergency stop button               | Bouton d'arrêt d'urgence        | Botón de parada de emergencia           | <b>STANDARD</b>           |

### Centralina per gruppi ad avviamento manuale

Chiave con 3 posizioni (OFF, start locale, start remoto) rimovibile in posizione OFF e start remoto - Alimentazione: 7...33VDC - Ingressi VAC: Generatore L1-L2-L3-N - Controllo tensione monofase, bifase e trifase - Range misure voltmetriche: 100...480VLL (3PH+N) - Range misura frequenza: 45...65Hz - Ingresso amperometrico: 1PH, /5A or /1A - Display: LCD con icone (52x35mm/2.05x1.38") - Modalità risparmio energetico - Ingressi: 5 negativi + 1 positivo per emergenza - Uscite: 5 positive, 2A, protette - Rilevamento motore avviato: "D+", Hz - Ingressi per velocità motore: "W" o "Pick-up" - 1 ingresso analogico resistivo per pressione olio, temperatura motore o livello carburante - Allarmi e parametri in 5 lingue



**RGK420SA**



### Key start control unit

Key with 3 positions (OFF, local start, remote start) removable in OFF and remote start position - Power supply: 7...33VDC - VAC inputs: Generator L1-L2-L3-N - Single, two and three phase voltage control - Rated measurement voltage range: 100...480VLL (3PH+N) - Frequency measurement range: 45...65Hz - Current input: 1PH, /5A or /1A - Display: LCD with icons (52x35mm/2.05x1.38") - Powersave mode Inputs: 5 negative + 1 positive for emergency - Outputs: 5 positive, 2A, protected - Engine running detection: "D+", Hz - Engine speed inputs: "W" or Magnetic "Pick-up" - 1 analog ohmic input for oil pressure, engine temperature or fuel level control - Alarm and parameter text in 5 languages

### Coffret de control/command

Clé à 3 positions (OFF, démarrage local, démarrage à distance) extractible en position OFF et démarrage à distance - Alimentation : 7 à 33 V DC - Entrées V AC : L1-L2-L3-N générateur - Contrôle tension monophasée, biphasée et triphasée - Plage nominale de mesure de tension : 100 à 480VLL (triphase+N) - Plage de mesure de fréquence : 45 à 65Hz - Courant d'entrée : monophasé, /5A ou /1A - Afficheur : ACL à icônes (52x35 mm) - Mode d'économie d'énergie - Entrées : 5 négatives + 1 positive pour urgence - Sorties : 5 positives, 2 A, protégées - Détection de démarrage moteur : "D+", Hz - Entrées de vitesse moteur : "W" ou "Pick-up" magnétique - 1 entrée analogique résistive pour la pression de l'huile, la température du moteur ou le niveau de carburant - Textes des alarmes et paramètres dans 5 langues

### Panel de control manual

Selector de llave de 3 posiciones (OFF, encendido local, encendido remoto) extraíble en posición OFF y encendido remoto - Alimentación: 7...33 V DC - Entradas V AC: L1-L2-L3-N generador - Control tensión monofásica, bifásica y trifásica - Rango nominal medida de tensión: 100...480VLL (trifásica+N) - Rango medida de frecuencia: 45...65Hz - Corriente de entrada: monofásica, /5A o /1" - Display: LCD de iconos (52x35 mm) - Modo de funcionamiento con ahorro energético - Entradas: 5 negativas + 1 positiva para emergencia - Salidas: 5 positivas, 2 A, protegidas - Detección motor en marcha: "D+", Hz - Entradas velocidad motor: "W" o "Pick-up" magnética - 1 entrada analógica resistiva para presión aceite, temperatura motor o nivel combustible - Textos alarmas y parámetros en 5 idiomas

