

INDUSTRIAL LINE

**power**  
**and innovation**

**designed and created  
for your needs**

Designed to provide  
an exceptional level  
of performance  
for every work on site  
ensuring the right  
balance between power  
and ease of use

**500 L**  
**Fuel Tank**  
**capacity**

**MGTP**  
**320 SS-FI**



**more sustainable  
and environmentally  
friendly future**

**TRIME**  
Power Division

# MGTP 320 SS-FI

GENSET MODEL

FPT IVECO



## APPLICATIONS



Constructions



Mining operations



Events



Military applications

## FEATURES

- ✓ Hard wires connection protected
- ✓ Electrical panel ComAp AMF25 mounted on board with safety cover
- ✓ Circuit breaker
- ✓ Internal exhaust gas silencer and insulated manifold
- ✓ Engine oil extraction pump and fuel decanter filter
- ✓ 12V Battery with battery switch
- ✓ Bunded tank
- ✓ Lifting hooks and side forklift pockets

### Options factory installed

220V Electric pre-heater

KIT socket TPS01:

1x32A, 1x16A 3Ph  
1x16A 1Ph + 1x16A Schuko

KIT socket TPS03:

1x63A, 1x32A, 1x16A 3Ph  
1x16A 1Ph + 1x16A Schuko  
125A breaker with adj. earth fault relay

Kit AMF and ATS panel

Predisposition for quick release fitting for external fuel tank

Oversize fuel tank



easy handling & transportability

|                                                                                                                                                     |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Code                                                                                                                                                | IP204-320TS0             |
| Mechanical version<br>Silenced version with galvanized steel sheet and powder-painted canopy, compact base frame, with bunded tank and leak control |                          |
| <b>Dimensions</b>                                                                                                                                   |                          |
| L x W x H (mm)                                                                                                                                      | 4270 x 1350 x 2370       |
| Weight (Kg)                                                                                                                                         | 3610                     |
| <b>Technical Data</b>                                                                                                                               |                          |
| Prime Power (PRP)(kVA)                                                                                                                              | 320                      |
| Prime Power (PRP)(kW)                                                                                                                               | 256                      |
| Limited Power (LTP)(kVA)                                                                                                                            | 345                      |
| Limited Power (LTP)(kW)                                                                                                                             | 276                      |
| Rated Power Factor (cos φ)                                                                                                                          | 0.8                      |
| Windings                                                                                                                                            | Three phases Series Star |
| Rated three-phase concatenated Voltage (V)                                                                                                          | 400                      |
| Rated phase-neutral voltage (V)                                                                                                                     | 230                      |
| Rated frequency (Hz)                                                                                                                                | 50                       |
| Fuel Tank Capacity (l)                                                                                                                              | 500                      |
| Fuel type                                                                                                                                           | Diesel                   |
| Sound pressure 7 m. (dBA)                                                                                                                           | 73                       |
| <b>Fuel Consumption</b>                                                                                                                             |                          |
| Fuel Cons. at 100% (LTP)(l/h)                                                                                                                       | 72,4                     |
| Fuel Cons. at 100% (PRP)(l/h)                                                                                                                       | 66,6                     |
| Fuel Cons. at 75% (PRP)(l/h)                                                                                                                        | 49,3                     |
| Fuel Cons. at 50% (PRP)(l/h)                                                                                                                        | 37,3                     |
| <b>General Alternator data</b>                                                                                                                      |                          |
| Alternator brand                                                                                                                                    | STAMFORD                 |
| Alternator model                                                                                                                                    | S4L1D-E                  |
| PRP Power (kVA)                                                                                                                                     | 360                      |
| LTP Power (kVA)                                                                                                                                     | 415                      |
| Winding                                                                                                                                             | Three phases Series Star |
| Terminals Number                                                                                                                                    | 12                       |
| IP Protection                                                                                                                                       | 23                       |
| Electronic regulator                                                                                                                                | AS440                    |
| Precision                                                                                                                                           | ± 1.00 %                 |
| <b>General Engine data</b>                                                                                                                          |                          |
| Engine brand                                                                                                                                        | FPT IVECO                |
| Engine model                                                                                                                                        | C87TE4                   |
| Cylinders                                                                                                                                           | 6                        |
| R.P.M.                                                                                                                                              | 1500                     |
| Cubic capacity                                                                                                                                      | 8700                     |
| Air intake                                                                                                                                          | Turbo                    |
| Standard voltage (Vdc)                                                                                                                              | 24                       |
| Sae                                                                                                                                                 | 1 - 14                   |
| BMEP (kPa)                                                                                                                                          | 0                        |
| Cooling                                                                                                                                             | Water                    |
| Flywheel P.R.P. Power (kW)                                                                                                                          | 275                      |
| Flywheel Stand-by Power (kW)                                                                                                                        | 299                      |
| Electronic regulator                                                                                                                                | Standard                 |
| Precision class                                                                                                                                     | G3                       |
| Oil quantity (l)                                                                                                                                    | 28                       |
| EU Stage                                                                                                                                            | Non emission certified   |



**TRIME®**

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