

ULTRA SILENT LINE  
STAGE 5

**power**  
**and innovation**

**designed and created  
for your needs**

**STAGE 5**  
**CERTIFIED**

**240 L**  
**Fuel Tank**  
**capacity**

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

**MGTP**  
**42 USL-K**



**more sustainable  
and environmentally  
friendly future**

**TRIME**  
Power Division

# MGTP 42 USL-K

GENSET MODEL



**NOISE**  
**level 55**  
dB(A) at 7m

## APPLICATIONS



Constructions



Mining operations



Events



Military applications

## FEATURES

- ✓ Autostart logic panel DSE 7310 for Manual version
- ✓ 4-poles magnetothermic switch
- ✓ Adjustable ELCB circuit breaker
- ✓ Power terminal block protection microswitch
- ✓ Oil extraction pump
- ✓ Battery disconnect switch
- ✓ Mechanical fuel level gauge on tank
- ✓ 3-way valve for diesel circuit from ext. tank (quick couplings excluded)
- ✓ Side rubber bumper protection
- ✓ Water / Diesel separator filter
- ✓ Central lifting hook
- ✓ Doors closing by compression
- ✓ Radiator in separate compartment
- ✓ Heavy duty air filter
- ✓ Liquid collection tank with alarm
- ✓ Tank inspection flange
- ✓ Reinforced chassis for Rental use
- ✓ Alternator with butadiene protection System 2 Leroy Somer or Total Plus MeccAlte



easy handling & transportability



**TRIME®**

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|                                                                                                                                                                                        |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Code                                                                                                                                                                                   | RP343-42TS0                |
| ULTRA SILENCED version, galvanized and powder-painted canopy, compact base frame, with bunded tank and leak control                                                                    |                            |
| <b>Dimensions</b>                                                                                                                                                                      |                            |
| L x W x H (mm)                                                                                                                                                                         | 2300x980x1450              |
| Weight (Kg)                                                                                                                                                                            | 1600                       |
| <b>Technical Data</b>                                                                                                                                                                  |                            |
| Prime Power (PRP) (kVA)                                                                                                                                                                | 42                         |
| Prime Power (PRP) (kW)                                                                                                                                                                 | 33,6                       |
| Limited Power (LTP) (kVA)                                                                                                                                                              | 46                         |
| Limited Power (LTP) (kW)                                                                                                                                                               | 36,8                       |
| Rated Power Factor (cos $\Phi$ )                                                                                                                                                       | 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 type                                                                                                                                                                              | Diesel                     |
| Fuel tank capacity (l)                                                                                                                                                                 | 240                        |
| <b>Fuel consumption</b>                                                                                                                                                                |                            |
| Fuel Cons. at 100% (L.T.P.) (l/h)                                                                                                                                                      | 12,1                       |
| Fuel Cons. at 100% (P.R.P.) (l/h)                                                                                                                                                      | 10,8                       |
| Fuel Cons. at 75% (P.R.P.) (l/h)                                                                                                                                                       | 8,3                        |
| Fuel Cons. at 50% (P.R.P.) (l/h)                                                                                                                                                       | 5,8                        |
| <b>Alternator</b>                                                                                                                                                                      |                            |
| Alternator brand                                                                                                                                                                       | Leroy-Somer                |
| Alternator model                                                                                                                                                                       | LSA42.3M7                  |
| P.R.P. Power (kVA)                                                                                                                                                                     | 45                         |
| L.T.P. Power (kVA)                                                                                                                                                                     | 49                         |
| Winding                                                                                                                                                                                | Three phases Series Star   |
| Terminals Number                                                                                                                                                                       | 12                         |
| IP Protection                                                                                                                                                                          | 23                         |
| Voltage regulator                                                                                                                                                                      | AVR $\pm 0,25\%$ D350 AREP |
| Short-circuit current                                                                                                                                                                  | 300 %: 10s                 |
| <b>Engine</b>                                                                                                                                                                          |                            |
| Engine brand                                                                                                                                                                           | KOHLER                     |
| Engine model                                                                                                                                                                           | KDI2504TCR CAC             |
| Cylinders                                                                                                                                                                              | 4                          |
| R.P.M. (rpm)                                                                                                                                                                           | 1500                       |
| Cubic capacity (cc)                                                                                                                                                                    | 2482                       |
| Air intake                                                                                                                                                                             | Turbo                      |
| Standard voltage (Vdc)                                                                                                                                                                 | 12                         |
| Sae                                                                                                                                                                                    | -                          |
| BMEP (kPa)                                                                                                                                                                             | 684                        |
| Cooling                                                                                                                                                                                | Water                      |
| Flywheel P.R.P. Power (kW)                                                                                                                                                             | 42,2                       |
| Flywheel Stand-by Power (kW)                                                                                                                                                           | 46,5                       |
| Electronic regulator                                                                                                                                                                   | Yes                        |
| Precision class                                                                                                                                                                        | G2                         |
| Oil quantity (l)                                                                                                                                                                       | 11,3                       |
| <b>Options: Rental Kit</b>                                                                                                                                                             |                            |
| 4 x 16A 230V + 1 x 32A 400 V with ELCB protection                                                                                                                                      |                            |
| <b>Sound Pressure 7m (0% load)</b>                                                                                                                                                     | dBA 55                     |
| <b>Standard reference conditions</b>                                                                                                                                                   |                            |
| Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional |                            |