



## TRACTELEC TF3 / TM3



Tractor PTO generator

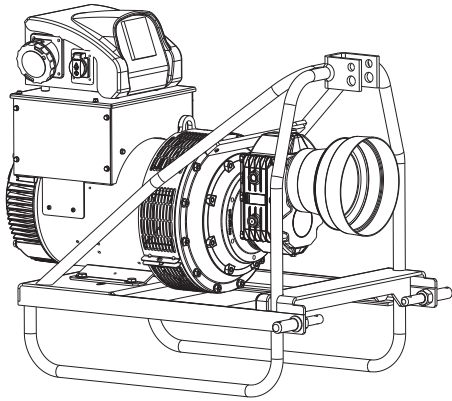
**LEROY-SOMER**™

**Nidec**  
All for dreams



Don't be left without power!

# TRAC<sup>⚡</sup>ELEC



## TRACTOR PTO GENERATOR

TRACTELEC designed to protect your farm in the event of a power cut. It is easily transportable thanks to its three-point fitting system, TRACTELEC quickly connects to your tractor hitch and PTO.

In only a few minutes, you get emergency power supply for all your installations, in three-phase or single-phase.

TRACTELEC is suitable for most tractors on the market. It is compatible with category 1 or 2 three-point hitch systems for a shaft output power up to 92 kW.

Thanks to its adjustable differential switch, TRACTELEC adapts to your needs to provide the right electric current to your equipment, without interruption.

Total safety: in the event of a load impact, TRACTELEC automatically limits the voltage to preserve the tractor engine. Protective circuit breakers complete the safety of the system.

Nidec Leroy-Somer has been supplying energy production systems to the agricultural world for over 30 years. With TRACTELEC, you are sure to have the right equipment with a proven, robust and durable design.

### ▶ TRACTELEC exists in 2 versions:

- the TRACTELEC Mobile version (TM version), on a chassis for use on category 1 or 2 three-point hitch system (ISO 730 standard), with power take out torque power up to 92 kW
- the TRACTELEC Fixed version (TF version), without a chassis for use as a fixed unit



### ▶ TRACTELEC is equipped with electrical protection and a distribution board incorporating:

- a security differential switch with adjustable threshold, factory setting of 30 mA
- a four-pole thermal magnetic protection circuit breaker
- a two-pole thermal magnetic protection circuit breaker
- a single-phase male + female socket (2P + E)
- a three-phase male + female socket (3P + N + E)
- a voltmeter and a frequency meter which can be seen from the tractor



**A current reversing switch must without fail be placed between the mains supply and the TRACTELEC. It can be proposed as an option, and should be connected by a qualified electrician. Any modification of the differential security switch threshold beyond 30 mA is the sole responsibility of the user.**

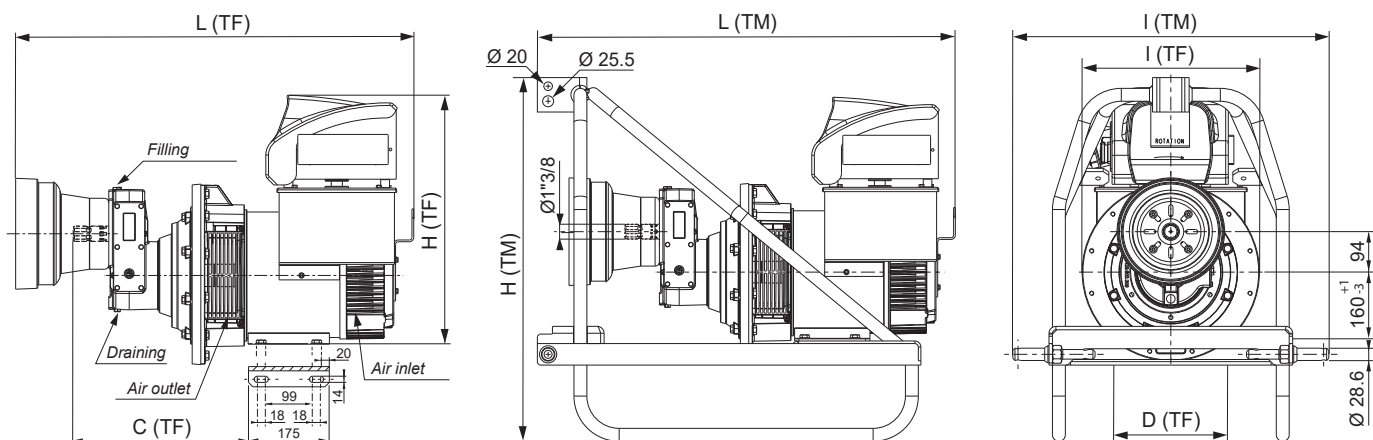
Nidec Leroy-Somer TRACTELEC range meets all key international standards and regulations, including IEC 60034, NEMA MG 1.32-33, ISO 8528-3, UL 1446 and bears EC marking. TRACTELEC is designed, manufactured and marketed in an ISO 9001 and ISO 14001 quality assurance environment.

### ▶ TF3 / TM3 three-phase range: 50 Hz - 400 V - P.F. 0.8 - 4 pole - 1500 R.P.M.

| Type           | Continuous output<br>40°C<br>kVA | Stand-by<br>27°C<br>kVA | Starting<br>capacity*<br>kVA 30% | Power take-off<br>shaft speed<br>R.P.M. | Min. power<br>(take-off shaft)<br>H.P. | Protection<br>circuit breaker rating<br>A |
|----------------|----------------------------------|-------------------------|----------------------------------|---|--|---|
| TF3 / TM3 16.5 | 15                               | 16.5                    | 28                               | 429                                     | 22                                     | 25  |
| TF3 / TM3 20   | 17.5                             | 19.5                    | 34                               | 429                                     | 27                                     | 32  |
| TF3 / TM3 27.5 | 25                               | 27.5                    | 37                               | 429                                     | 36                                     | 40  |
| TF3 / TM3 30   | 27                               | 30                      | 40                               | 429                                     | 39                                     | 40  |
| TF3 / TM3 35   | 32                               | 35                      | 48                               | 429                                     | 45                                     | 50  |
| TF3 / TM3 40   | 36                               | 40                      | 66                               | 420                                     | 51                                     | 63  |
| TF3 / TM3 45   | 40                               | 45                      | 66                               | 420                                     | 57                                     | 63  |
| TF3 / TM3 50   | 45                               | 50                      | 73                               | 420                                     | 63                                     | 80  |
| TF3 / TM3 55   | 50                               | 55                      | 86                               | 420                                     | 70                                     | 80  |
| TF3 / TM3 66   | 60                               | 66                      | 100                              | 420                                     | 83                                     | 100                                       |

\*30% voltage dip - P.F. 0.6

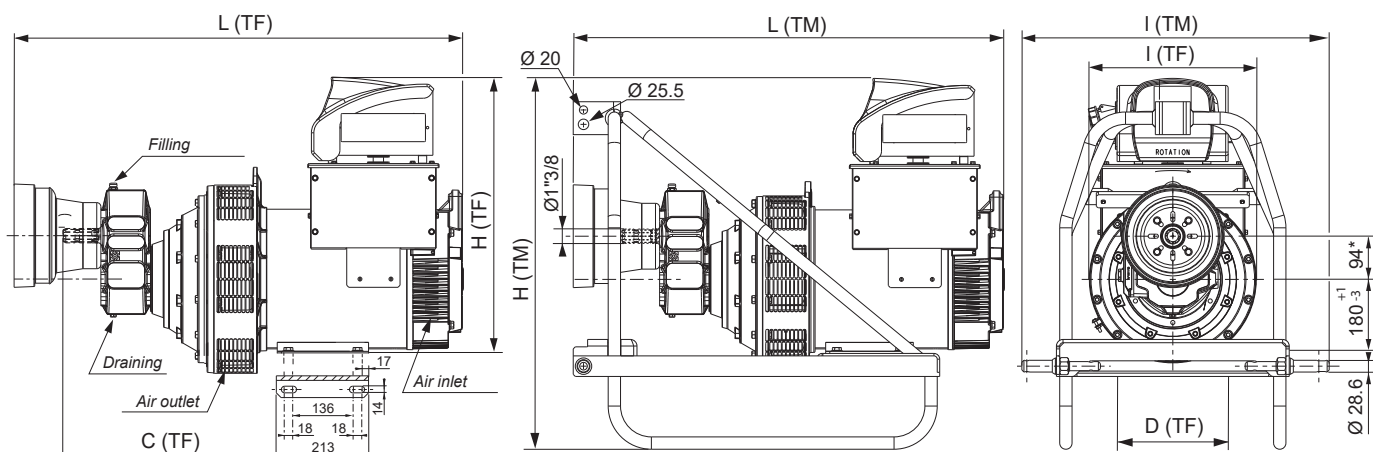
## ► 16.5 and 20 kVA range



**Dimensions and weight**

| Type           | TF3 (fixed version) |        |        |        |        |             | TM3 (mobile version) |        |        |             |
|----------------|---------------------|--------|--------|--------|--------|-------------|----------------------|--------|--------|-------------|
|                | H (mm)              | L (mm) | I (mm) | C (mm) | D (mm) | Weight (kg) | H (mm)               | L (mm) | I (mm) | Weight (kg) |
| TF3 / TM3 16.5 | 566                 | 898    | 412    | 394    | 230    | 115         | 845                  | 971    | 734    | 150         |
| TF3 / TM3 20   | 566                 | 898    | 412    | 394    | 230    | 120         | 845                  | 971    | 734    | 155         |

## ► 27.5 to 66 kVA range



**Dimensions and weight**

| Type           | TF3 (fixed version) |        |        |        |        |             | TM3 (mobile version) |        |        |             |
|----------------|---------------------|--------|--------|--------|--------|-------------|----------------------|--------|--------|-------------|
|                | H (mm)              | L (mm) | I (mm) | C (mm) | D (mm) | Weight (kg) | H (mm)               | L (mm) | I (mm) | Weight (kg) |
| TF3 / TM3 27.5 | 669                 | 926    | 406    | 433.5  | 279    | 152         | 902                  | 968    | 734    | 188         |
| TF3 / TM3 30   | 669                 | 926    | 406    | 433.5  | 279    | 160         | 902                  | 968    | 734    | 195         |
| TF3 / TM3 35   | 669                 | 926    | 406    | 433.5  | 279    | 169         | 902                  | 968    | 734    | 204         |
| TF3 / TM3 40   | 669                 | 1008   | 406    | 495.75 | 279    | 195         | 902                  | 1008   | 734    | 230         |
| TF3 / TM3 45   | 669                 | 1008   | 406    | 495.75 | 279    | 195         | 902                  | 1008   | 734    | 230         |
| TF3 / TM3 50   | 669                 | 1048   | 406    | 495.75 | 279    | 209         | 902                  | 1048   | 734    | 244         |
| TF3 / TM3 55   | 669                 | 1048   | 406    | 495.75 | 279    | 217         | 902                  | 1048   | 734    | 249         |
| TF3 / TM3 66   | 669                 | 1101   | 455    | 518.75 | 279    | 227         | 902                  | 1101   | 734    | 262         |

**NOTE:** Dimensions are for information only and may be subject to modifications. Contractual 2D (.pdf format) drawings can be downloaded from the Leroy-Somer site, 3D drawing files are available upon request.

**LEROY-SOMER**<sup>TM</sup>

[www.leroy-somer.com/epg](http://www.leroy-somer.com/epg)

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