



## Low Voltage Alternators - 4 pole

**TRACTELEC TF3 / TM3**

Stand-alone PTO generator

**Leroy-Somer**™

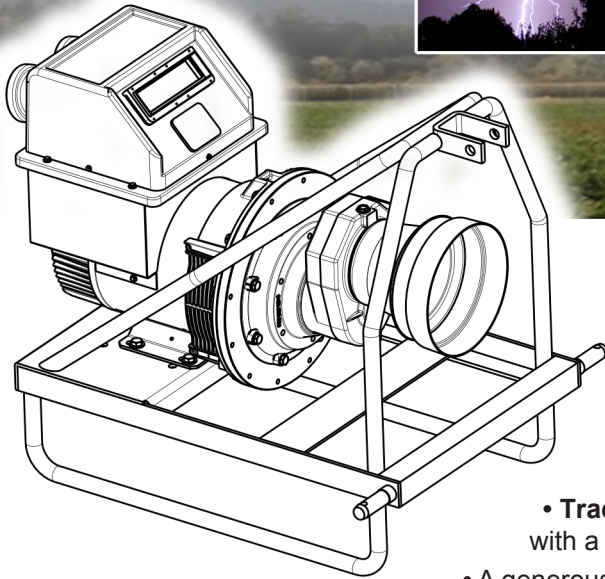
  
**EMERSON**™  
Industrial Automation



*Don't be left without power*

## TRACTELEC TF3 / TM3 range

*An alternative source of energy production is essential in most cases as a safeguard in the event of a power failure or for use in areas with no access to the grid.*



- **Leroy-Somer** has designed the Tractelec so that you can produce the electricity you need where there is no access to main electricity.

- **Leroy-Somer** has been providing generator sets to the agricultural sector for more than 30 years.

- **Tractelec** has been designed to be used directly on your tractor's 3-point linkage.

- **Tractelec** is an alternator driven by your tractor's power take-off shaft with a universal joint (not supplied).

- A generously-sized oil-filled gearbox adapts the tractor R.P.M. that required by the alternator.

- The regulation system provides voltage accuracy to  $\pm 0.5\%$  at constant speed. It incorporates a special setting to adapt to the constraints of the tractors variable speed control (U/F control).

- **Tractelec** exists in 2 versions:

- The Mobile version (TM version), with a 3-point chassis.
- The 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 4-pole thermal magnetic protection circuit-breaker,
- a single-phase thermal magnetic protection circuit-breaker,
- a 30 mA residual current protection switch,
- a single-phase male + female socket (2P + E),
- a three-phase male + female socket (3P + N + E),
- a voltmeter which can be seen from the tractor + a frequency meter.



**A current reversing switch must without fail be placed between the mains supply and the TRACTELEC. This should be done by a qualified electrician.**

### TF3 / TM3 3 phase range : kVA - 50 Hz - 400 V - P.F. 0.8 - 4 pole

Type	Continuous output kVA	Stand-by kVA	Starting capacity* kVA	Power take-off shaft speed R.P.M.	Alternator speed R.P.M.	Mini. power (take-off shaft) H.P.	Protection circuit-breaker rating A	Alternator
<b>TF3 / TM3 - 16.5</b>	15	16.5	36	429	1500	25	25	LSA 40 - S3 - J6/4
<b>TF3 / TM3 - 20</b>	18.2	20	44	429	1500	30	32	LSA 40 - S4 - J6/4
<b>TF3 / TM3 - 27.5</b>	25	27.5	52	429	1500	40	40	LSA 42.3 - VS1 - J6/4
<b>TF3 / TM3 - 30</b>	27	30	56	429	1500	45	40	LSA 42.3 - VS2 - J6/4
<b>TF3 / TM3 - 35</b>	32	35	68	429	1500	50	50	LSA 42.3 - VS3 - J6/4
<b>TF3 / TM3 - 38.5</b>	35	38.5	92	429	1500	55	50	LSA 42.3 - S4 - J6/4
<b>TF3 / TM3 - 45</b>	40	45	92	429	1500	60	63	LSA 42.3 - S5 - J6/4
<b>TF3 / TM3 - 50</b>	45	50	104	429	1500	65	80	LSA 42.3 - M7 - J6/4
<b>TF3 / TM3 - 55</b>	50	55	115	429	1500	70	80	LSA 42.3 - M8 - J6/4
<b>TF3 / TM3 - 66</b>	60	66	138	429	1500	80	100	LSA 42.3 - L9 - J6/4

\*20% voltage dip - P.F. 0.8

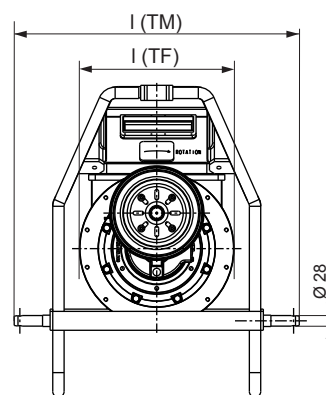
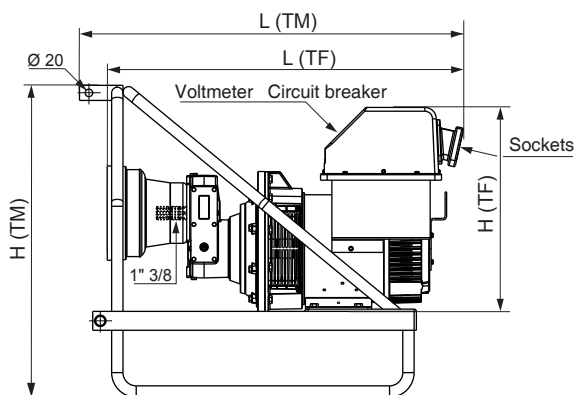


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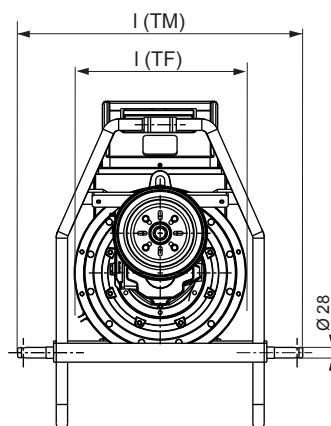
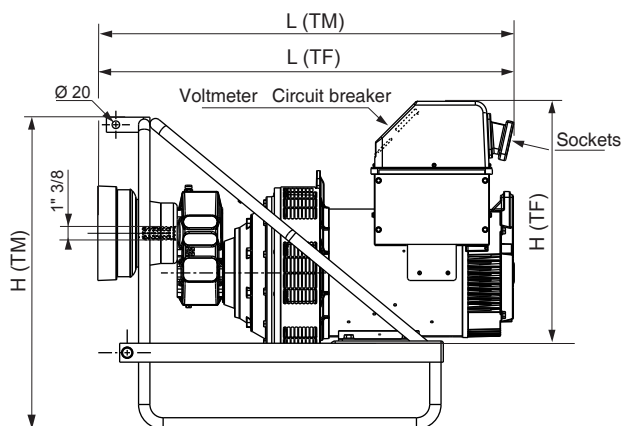
modern agricultural operations, as a  
without electricity.

Leroy-Somer™



### Dimensions (mm) and weight (kg)

Type	TF3				TM3			
	H	L	I	Weight kg	H	L	I	Weight kg
TF3 / TM3 - 16.5	545	940	408	115	825	1015	754	150
TF3 / TM3 - 20	545	940	408	120	825	1015	754	155



### Dimensions (mm) and weight (kg)

Type	TF3				TM3			
	H	L	I	Weight kg	H	L	I	Weight kg
TF3 / TM3 - 27.5	640	925	406	152	825	965	754	188
TF3 / TM3 - 30	640	925	406	160	825	965	754	195
TF3 / TM3 - 35	640	925	406	169	825	965	754	204
TF3 / TM3 - 38.5	640	1006	406	195	825	1006	754	230
TF3 / TM3 - 45	640	1006	406	195	825	1006	754	230
TF3 / TM3 - 50	640	1048	406	209	825	1048	754	244
TF3 / TM3 - 55	640	1048	406	217	825	1048	754	249
TF3 / TM3 - 66	640	1100	455	227	825	1100	754	262

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

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