



TRACTELEC TF3 / TM3



Tractor PTO generator

LEROY-SOMER™

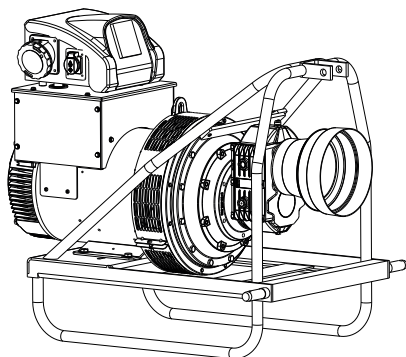
Nidec
All for dreams



Don't be left without power!

TRACTELEC

An alternative source of energy production is as a safeguard in the event of a power fail



- **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** is an alternator driven by your tractor's power take-off shaft with a universal joint (not supplied). It is designed for direct use on the «3-point» hitch of your tractor.
- **A generously sized** oil bath speed multiplier provides the right speed for the alternator based on the engine speed of the tractor.
- **Motor protection:** below 47.5 Hz, voltage will drop automatically to help the engine during a high load impact.

• **Tractelec** exists in 2 versions:

- the Tractelec Mobile version (TM version), on a 3-point chassis
- 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 four-pole thermal magnetic protection circuit-breaker
- a two-pole 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 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.

The Tractelec range complies with the main international standards: EC marking, IEC 60034, NEMA MG 1.32-33, UL 1446, ISO 8528-3. It is designed, manufactured and marketed in an ISO 9001 and ISO 14001 environment.

TF3 / TM3 3 phase range: 50 Hz - 400 V - P.F. 0.8 - 4 pole - 1500 R.P.M.

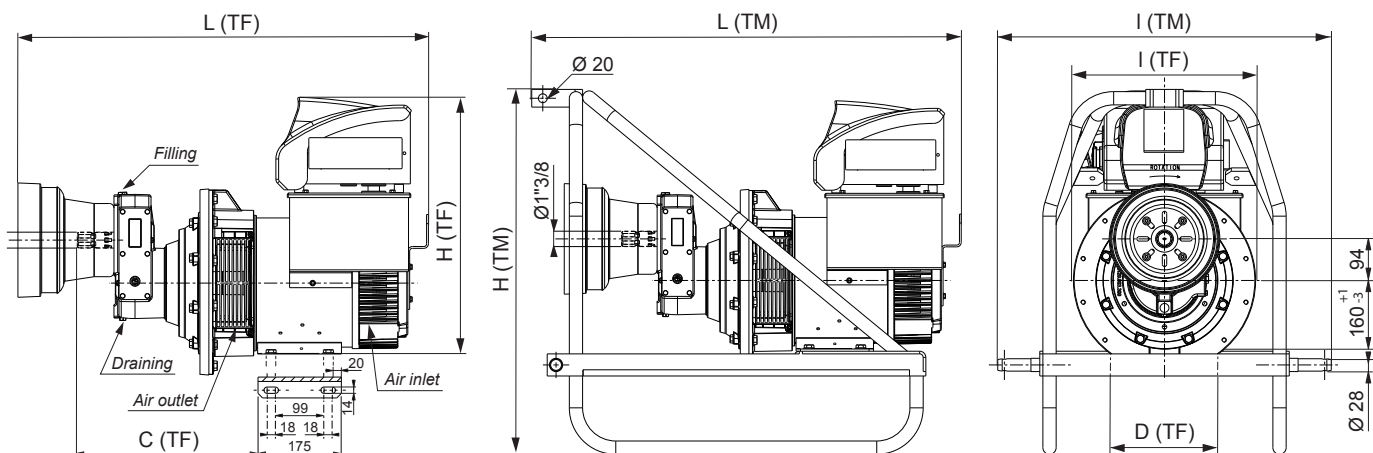
Type	Continuous output 40°C kVA	Stand-by 27°C kVA	Starting capacity* kVA 30%	Power take-off shaft speed R.P.M.	Min. power (take-off shaft) H.P.	Protection circuit-breaker rating A
TF3 / TM3 16.5	15	16.5	28	429	22	25
TF3 / TM3 20	17.5	20	34	429	27	32
TF3 / TM3 27.5	25	27.5	37	429	36	40
TF3 / TM3 30	27	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

EC range

essential in modern agricultural operations,
 for use in areas without electricity.

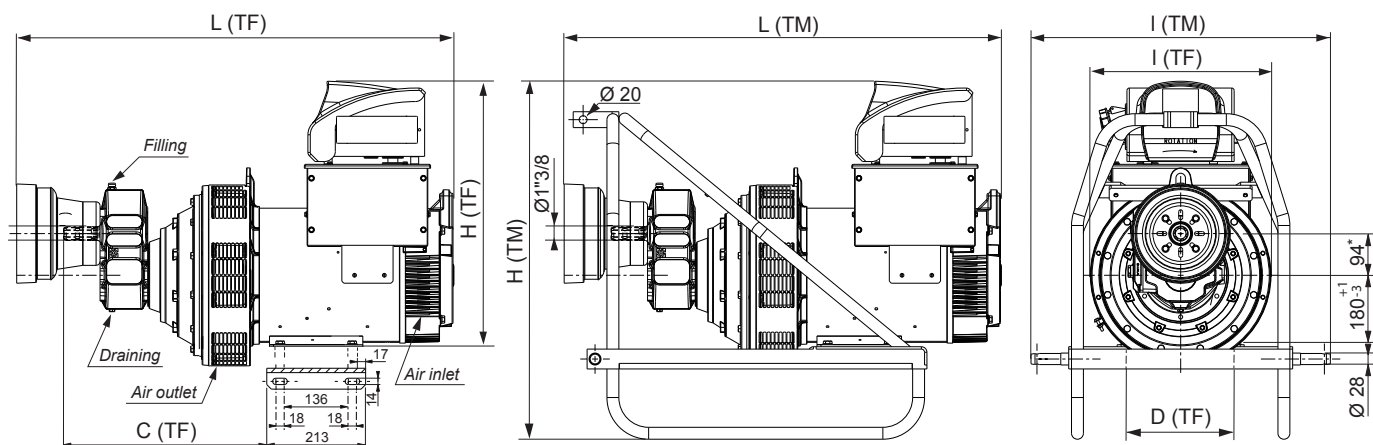
16.5 - 20 kVA range



Dimensions (mm) and Weight (kg)

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	825	971	754	150
TF3 / TM3 20	566	898	412	394	230	120	825	971	754	155

27.5 - 66 kVA range



* For 40, 45, 50, 55 and 66 KVA: 105 mm

Dimensions (mm) and Weight (kg)

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	754	188
TF3 / TM3 30	669	926	406	433.5	279	160	902	968	754	195
TF3 / TM3 35	669	926	406	433.5	279	169	902	968	754	204
TF3 / TM3 40	669	1008	406	495.75	279	195	902	1008	754	230
TF3 / TM3 45	669	1008	406	495.75	279	195	902	1008	754	230
TF3 / TM3 50	669	1048	406	495.75	279	209	902	1048	754	244
TF3 / TM3 55	669	1048	406	495.75	279	217	902	1048	754	249
TF3 / TM3 66	669	1101	455	518.75	279	227	902	1101	754	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-SOMERTM

www.leroy-somer.com/epg

[Linkedin.com/company/Leroy-Somer](https://www.linkedin.com/company/Leroy-Somer)
[Twitter.com/Leroy_Somer_en](https://twitter.com/Leroy_Somer_en)
[Facebook.com/LeroySomer.Nidec.en](https://www.facebook.com/LeroySomer.Nidec.en)
[YouTube.com/LeroySomerOfficiel](https://www.youtube.com/LeroySomerOfficiel)



Nidec
All for dreams

© Nidec 2018. The information contained in this brochure is for guidance only and does not form part of any contract. The accuracy cannot be guaranteed as Nidec have an ongoing process of development and reserve the right to change the specification of their products without notice.

Moteurs Leroy-Somer SAS. Siège : Bd Marcellin Leroy, CS 10015, 16915 Angoulême Cedex 9, France.
Capital social : 65 800 512 €, RCS Angoulême 338 567 258.