

Vs. rif. Orders 0070006142

Protocollo B7006173

Data March 22, 2017

L.E.F. s.r.l.

Via Rodolfo Morandi 12 50019
SESTO FIORENTINO (FI) Italy

*Att.n: Mr. Lorenzo Cerbai
phone: +39 055 4217727*

subject: Confirmation letter

Dear Sirs,

You will find here enclosed the confirmation concerning the tests performed on your following objects on March 10, 2017:

Not-Enclosed three-phase dry-type power transformer, with encapsulated windings, for continuous duty, with cooling by air natural convection (AN): ECO DESIGN RESIN TRANSFORMER - 630 kVA, 20 kV/0,4 kV

Yours faithfully,

Mr. Lorenzo ARCIDIACO

CESI S.p.A.

Testing & Certification Division
Testing Operations Area
"Milan Platform"
Manager



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Capitale sociale € 8.550.000 interamente versato
C.F. e numero iscrizione Reg. Imprese di Milano 00793580150
P.I. IT00793580150
N. R.E.A. 429222



Test Confirmation

DOCUMENT NO.	B7006173		
CLIENT	L.E.F. s.r.l. Via Rodolfo Morandi 12 50019 SESTO FIORENTINO (FI) Italy		
MANUFACTURER	Toshiba Transmission & Distribution Systems Asia Sdn. Bhd.		
APPARATUS	L.E.F. s.r.l.		
SERIAL NUMBER	101702		
DESIGNATION	ECOTRO630Y4001		
DATE(S) OF TESTS	March 10, 2017		
STANDARD	IEC 60076-11 (5/2004)		
RATED CHARACTERISTICS GIVEN BY THE CLIENT	Rated voltage of the primary winding		20 kV \pm 2 x 2,5 % kV
	Rated voltage of the secondary winding		400 V
	Rated frequency		50 Hz
	Rated power		630 kVA
	Rated current of the primary winding		18,21 A
	Rated current of the secondary winding		910,4 A
	Short-circuit impedance at 75°C		6,0%
	Connection symbol		Dyn11
	Cooling method		AN
	No load loss		\leq 1100 W
	Load loss		\leq 7600 W
TESTS PERFORMED	Measurement of winding resistance Measurement of no-load loss and current Measurement of short-circuit impedance and load loss		
TESTS RESULT	With reference to the Standards/specifications above and the characteristics assigned by the Client, the measurement of no-load loss (Po) and load loss (Psc) passed SUCCESSFULLY and are compliant with the COMMISSION REGULATION (EU) No. 548/2014		

22/03/2017
Date

P. Magistris
Verified/Prepared

L. Arcidiaco
Approved



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