




Compagnia Tecnica Motori S.p.A.

I-20090 Cesano Boscone (Mi)
Via Magellano, 1
Tel. +39 02.450581 (20 linee r.a.)
Fax +39 02.45058260 / 262

Magazzino Ricambi:
Fax diretto +39 02.45058263
www.ctm.it
e-mail: ctm@ctm.it



 Salalah Methanol Project	PROJECT NAME: Salalah Methanol Project
	OWNER: Salalah Methanol Company, LLC (FZC)
	SITE : Salalah, Sultanate of Oman

BLACK START GENERATING SET TRAINING MANUAL

20-Z2501A/B (45 KVA – 400V – 50Hz)

Vendor: Compagnia Tecnica Motori S.p.A.	Purchase Order:
Vendor's Job: 6609	

A	11.03.09	Issued for approval with elec. DWG as built	F.T (TE)	E.T. (TE)	
REV.	DATE	Description	PRPD	CHKD	APPR



Compagnia Tecnica Motori S.p.A.

I-20090 Cesano Boscone (Mi)
Via Magellano, 1
Tel. +39 02.450581 (20 linee r.a.)
Fax +39 02.45058260 / 262

Magazzino Ricambi:
Fax diretto +39 02.45058263
www.ctm.it
e-mail: ctm@ctm.it



Black Start TRAINING MANUAL JOB 6609 REV.0

Index

1. **Engine**
 - 1.1. 1100 Series Perkins (Type 1103A-33TG2)
 - 1.2. Datasheet
2. **Alternator**
 - 2.1. Stamford (Type UC-I224D1)
3. **GE Control Panel**
 - 3.1. Generator Set Electric diagram 6609-E-400-2 (2008.041 Rev.2)
 - 3.2. Main Components on Control Panel
 - 3.2.1. DST4400 board
 - 3.2.2. EPG Electrically Powered Governor Woodward
4. **Auxiliary Generating Set (manual start)**
 - 4.1. Instruction Manual