



CE30 RETARDER

IDENTIFICATION	EB21....	INSULATED EARTH	
ELECTRICAL	Current Draw per Stage	12 Volt 24 Volt	35.0 Amps 18.0 Amps
	Resistance per Circuit	12 Volt 24 Volt	0.34 Ohms 1.35 Ohms
	Resistance per Coil	+/- 5%	0.68 Ohms
TORQUES	Central Bolt with Tab Washer ⁵		50 Nm
	Rotor Flange Bolts & Nuts - 10mm - 12mm		65 Nm 110 Nm
	Retarder Side Plate Bolts		40 Nm
	Mount Securing Bolts & Nuts Mount Central Bolts & Nuts		20 Nm 90 Nm
AIR GAP	Air Gap in Millimetres +0 -0.15mm		1.40 mm
	Air Gap in Inches +0 -0.006in		0.055 in

NOTES:

1. Always use an accurate torque wrench to check settings.
2. It is important that fasteners are neither under- or over-tightened.
3. The use of Loctite or similar is recommended when the initial factory-set torques are disturbed or reset after maintenance.
4. Check the condition of fasteners and replace if necessary.
5. The Central Rotor Screw, if removed for maintenance, should be replaced with a single spring washer and a locking tab-washer; the screw should be torqued to 50Nm and the tab-washer knocked over securely.



TELMA

SECTION 1.2 SPECIFICATIONS CC50

CC50 RETARDER

IDENTIFICATION	CN65..... CN69.....	FRAME EARTH FRAME EARTH
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ELECTRICAL	Current Draw per Stage	12 Volt 24 Volt	30.0 Amps 15.0 Amps
	Resistance per Circuit	12 Volt 24 Volt	0.40 Ohms 1.60 Ohms
	Resistance per Coil	+/- 5%	0.40 Ohms

TORQUES	Main Shaft Nut	450 Nm
	Rotor Flange Bolts & Nuts	100 Nm
	Retarder Side Plate Bolts	90 Nm
	Mount Securing Bolts & Nuts Mount Central Bolts & Nuts	20 Nm 90 Nm

AIR GAP	Air Gap in Millimetres +0 -0.10mm	0.80 mm
	Air Gap in Inches +0 -0.004in	0.031 in

NOTES:

1. Always use an accurate torque wrench to check settings.
2. It is important that fasteners are neither under- or over-tightened.
3. The use of Loctite or similar is recommended when the initial factory-set torques are disturbed or reset after maintenance.
4. Check the condition of fasteners and replace if necessary.



CC65-CC80 RETARDER

IDENTIFICATION	CN61....	CC65/50	INSULATED EARTH
	CN68....	CC65/50	FRAME EARTH
	CN10....	CC65	FRAME EARTH
	CN20....	CC65	INSULATED EARTH
	CP10....	CC80	FRAME EARTH
	CP20....	CC80	INSULATED EARTH

ELECTRICAL	Current Draw per Stage	12 Volt	40.0 Amps
		24 Volt	20.0 Amps
	Resistance per Circuit	12 Volt	0.30 Ohms
		24 Volt	1.19 Ohms
	Resistance per Coil	+/- 5%	1.19 Ohms

TORQUES	Main Shaft Nut	450 Nm
	Rotor Flange Bolts & Nuts	100 Nm
	Retarder Side Plate Bolts	90 Nm
	Mount Securing Bolts & Nuts	20 Nm
	Mount Central Bolts & Nuts	200 Nm

AIR GAP			
CC65/50	Air Gap in Millimetres	+0 -0.15mm	2.40 mm
	Air Gap in Inches	+0 -0.006in	0.094 in
CC65	Air Gap in Millimetres	+0 -0.15mm	1.50 mm
	Air Gap in Inches	+0 -0.006in	0.059 in
CC80	Air Gap in Millimetres	+0 -0.15mm	0.80 mm
	Air Gap in Inches	+0 -0.006in	0.031 in

NOTES:

1. Always use an accurate torque wrench to check settings.
2. It is important that fasteners are neither under- or over-tightened.
3. The use of Loctite or similar is recommended when the initial factory-set torques are disturbed or reset after maintenance.
4. Check the condition of fasteners and replace if necessary.