

RETARDER SPECIFICATIONS – AXIAL SERIES										
RETARDER MODEL	AE30-35	AE30-32	AC50-55	AC50-65	AC50-80	AC51-00	AC61-25	AC61-25		
RETARDER IDENTIFICATION										
Insulated Earth	EC2....	EC3....	CN20....	CN23....	CP23....	CM23....	CE36....	CE37....		
ELECTRICAL SPECIFICATIONS <i>All electrical measurements should be made at 20°C. Insulation resistance > 1MΩ</i>										
Current Draw per Stage – Amps										
12V System	28.8	16.0	18.2	45.4	45.4	45.6	30.0	49.0		
24V System	14.4		9.1	22.7	22.7	22.8	15.0	24.5		
Resistance per Circuit – Ohms										
12 Volt Retarder	0.41	0.75	0.66	0.26	0.26	0.26	0.40	0.24		
24 Volt Retarder	1.65		2.64	1.06	1.06	1.05	1.60	0.98		
Resistance per Coil	0.83	1.50	0.66	1.06	1.06	1.05	1.60	0.98		
MECHANICAL SPECIFICATIONS										
Rotor Air Gap +0 –0.15 mm	1.00	1.00	0.80	1.50	0.80	0.80	1.00	1.00		
Bearing Axial Play	0.05-0.12	0.05-0.12	0.05-0.12	0.05-0.12	0.05-0.12	0.05-0.12	0.05-0.12	0.05-0.12		
TORQUE SETTINGS - Nm										
Main Shaft Bolts	50	50	30	30	30	30	30	30		
Rotor Flange Bolts and Nuts	30	30	100	100	100	100	180	180		
Retarder Side Plate Bolts			90	90	90	90	90	90		
Pole Shoe Screws	20	20	50	50	50	50	50	50		
Hub Bolts and Nuts	20	20	M12 – 90Nm			M10 – 60 Nm		M8 – 30 Nm		