

RETARDER SPECIFICATIONS – AXIAL M SERIES									
RETARDER MODEL	AM82-71	AM83-00	AM83-01	AM83-30					
	PF302...	PN202...	PF702...	PP202...					
ELECTRICAL SPECIFICATIONS <i>All electrical measurements should be made at 20°C</i>									
Current Draw per Stage – Amps									
24V System	30.6	33.5	36.6	43.0					
Resistance per Circuit – Ohms									
24 Volt Retarder	0.78	0.72	0.65	0.56					
Resistance per Coil									
	0.39	1.43	1.30	1.12					
MECHANICAL SPECIFICATIONS									
Rotor Air Gap +0 –0.15 mm	1.70 ¹	1.70 ¹	1.70 ¹	1.70 ¹					
Bearing Axial Play	0.05-0.12	0.05-0.12	0.05-0.12	0.05-0.12					
TORQUE SETTINGS - Nm									
Main Shaft Bolts	60	60	60	60					
Rotor Flange Bolts and Nuts	250	250	250	250					
Retarder Side Plate Bolts	250	250	250	250					
Pole Shoe Screws - Outboard	50	50	50	50					
Pole Shoe Screws - Inboard	120	120	120	120					
Stator Bolts	130	130	130	130					
Rotor Fasteners - Outboard	93	93	93	93					
Rotor Fasteners - Inboard	30	30	30	30					
Anti-vibration Mount Bracket to Sideplate Bolts	140	140	140	140					

Note 1: On heavy haulage applications, the initial air-gap setting should be 2.00mm