

Alfa Radio Ltd.

11511 - 154 St., Edmonton, Alberta, Canada T5M 1X8
 URL www.alfaradio.ca email alfa@alfaradio.ca
 Voice 780 466 5779 Facsimile 780 466 4956

Specifications: AlfaSpid RAK Azimuth Rotator	RAK @ 12V	RAK @ 18V	RAK @ 24V
Turning torque in lbs / N m	1,400 in lb / 158 N m	1,800 in lb / 203 N m	3,240 in lb / 366 N m
Brake torque in lbs / N m	14,000 in lb / 1,582 N m	14,000 in lb / 1,582 N m	14,000 in lb / 1,582 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	550 lbs / 250 Kg	550 lbs / 250 Kg	550 lbs / 250 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 deg	1 deg	1 deg
Rotation Range	720 deg	720 deg	720 deg
Weight lbs / Mass Kg	16 lbs / 7 Kg	16 lbs / 7 Kg	16 lbs / 7 Kg
Position Sensor	Reed Switch	Reed switch	Reed Switch
Mast size top / bottom – in / mm	2.0 / 2.6 in, 50 / 66 mm	2.0 / 2.6 in, 50 / 66 mm	2.0 / 2.6 in, 50 / 66 mm

Specifications: AlfaSpid BIG RAK Azimuth Rotator	BIG RAK @ 12V	BIG RAK @ 18V	BIG RAK @ 24V
Turning torque in lbs / N m	>5,000 in lb / 565 N m	>8,000 in lb / 904 N m	Contact AlfaRadio
Brake Torque in lbs / N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 / 0.5 deg	1 / 0.5 deg	1 / 0.5 deg
Rotation Range	720 deg	720 deg	720 deg
Weight lbs / Mass Kg	24 lbs / 11 kg	24 lbs / 11 kg	24 lbs / 11 kg
Position Sensor	Reed Switch	Reed switch	Reed Switch
Mast size top / bottom – in / mm	2.6 / 2.6 in, 66 / 66 mm	2.6 / 2.6 in, 66 / 66 mm	2.6 / 2.6 in, 66 / 66 mm

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Specifications: AlfaSpid RAS Azimuth and Elevation Rotators	RAS @ 12V	RAS @ 18V	RAS @ 24V
Turning torque in lbs / N m	1,400 in lb / 158 N m	1,800 in lb / 203 N m	3,240 in lb / 366 N m
Brake torque in lbs / N m	14,000 in lb / 1582 N m	14,000 in lb / 1582 N m	14,000 in lb / 1582 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	550 lbs / 250 Kg	550 lbs / 250 Kg	550 lbs / 250 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 deg	1 deg	1 deg
Rotation Range Az / El	360 / 180 deg	360 / 180 deg	360 / 180 deg
Weight lbs / Mass Kg	29 lbs / 13 Kg	29 lbs / 13 Kg	29 lbs / 13 Kg
Mast size inches / mm Bottom	2.6 in / 66 mm	2.6 in / 66 mm	2.6 in / 66 mm
Mast size inches / mm Elevation	2.0 in / 50 mm	2.0 in / 50 mm	2.0 in / 50 mm

Specifications: AlfaSpid BIG RAS Azimuth and Elevation Rotator	BIG RAS @ 12V	BIG RAS @ 18V	BIG RAS @ 24V
Turning torque in-lbs/ N m	>5,000 in lb / 565 N m	>8,000 in lb / 904 N M	Contact AlfaRadio
Brake Torque in lbs/ N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m	24,000 in lb / 2,712 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg	>700 lbs / 318 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 deg	1 deg	1 deg
Rotation Range Az / El	360 / 180 deg	360 / 180 deg	360 / 180 deg
Weight lbs / Mass Kg	44 lbs / 20 Kg	44 lbs / 20 Kg	44 lbs / 20 Kg
Position Sensor	Reed Switch	Reed switch	Reed Switch
Mast size inches / mm Bottom mount	2.6 in / 66 mm	2.6 in / 66 mm	2.6 in / 66 mm
Mast size inches / mm Elevation	2.0 in / 50 mm	2.0 in / 50 mm	2.0 in / 50 mm

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Specifications: AlfaSpid REAL Elevation Rotator	REAL @ 12V	REAL @ 18V	REAL @ 24V
Turning torque in-lbs / N m	1,400 in lb / 158 N m	1,800 in lb / 203 N m	3,240 in lb / 366 N m
Brake torque in lbs / N m	14,000 in lb / 1,582 N m	14,000 in lb / 1,582 N m	14,000 in lb / 1,582 N m
Brake Construction	Double Worm Gears	Double Worm Gears	Double Worm Gears
Vertical Load lbs / Kg	550 lbs / 250 Kg	550 lbs / 250 Kg	550 lbs / 250 Kg
Rotation Speed (360 Deg)	120 sec	90 sec	60 sec
Precision	1 deg	1 deg	1 deg
Rotation Range	180 deg	180 deg	180 deg
Weight lbs / Mass Kg	17 lbs / 6.5 Kg	17 lbs / 6.5 Kg	17 lbs / 6.5 Kg
Mast size inches / mm - Elevation	2.0 in / 50 mm	2.0 in / 50 mm	2.0 in / 50 mm

Specifications: AlfaSpid controllers	When used with RAK or REAL 13.8 – 24 V AC or DC	When used with RAS or REAL 13.8 – 24 V AC or DC
Computer interface	RS 232 1200 baud 8 N 1	RS 232 600 baud 8 N 1
Pre sets with Mouse	6 User settable presets	N/A
Emulation	Spid, Hygain, Orion, Yaesu	Spid, Yaesu
Limit settings	2 – AZ CW point & CCW point	4 (2 AZ - 2 EL)
User settable calibration	N or S or any degree	AZ & EL, any degree
Precision	1 / 0.5 deg	1 , 0.5, 0.25 deg
Rotation Range	720 deg	360 / 180 - 180 deg
Weight lbs / Mass Kg	2.75 lbs / 1.2 Kg	4.75 lbs / 2.1 Kg
Connections to Rotator	4 wires (2 sens, 2 motor)	4 wires (2 sens, 2 motor) EL 4 wires (2 sens, 2 motor) AZ Total 8 wires RAS, 4 wires for REAL

All specifications may change with out further notice and all values are approx.