

ROTATOR MANUFACTURER / MODEL	Wind Load Area Sq. Ft.	Rotating Torque Lb-Ins	Braking Torque Lb- Ins	Vertical Load Lbs	Brake Type	Read Out (Dig/An)	Weight (rotor) Lbs	Precision	Rotation Range	# wires	CPU interface	Presets
AlfaSpid Big RAK @ 12V	*	>5,000	24,000	>700	double worm	digital	24	1° / 0.5°	360° +/- 180°	4	RS-232	6
AlfaSpid Big RAK @ 18V	*	>8,000	24,000	>700	double worm	digital	24	1° / 0.5°	360° +/- 180°	4	RS-232	6
AlfaSpid Big RAK @ 24V	*	>8,000*****	24,000	>700	double worm	digital	24	1° / 0.5°	360° +/- 180°	4	RS-232	6
AlfaSpid RAK @ 12V	*	1,400	14,000	550	double worm	digital	16	1° / 0.5°	360° +/- 180°	4	RS-232	6
AlfaSpid RAK @ 18V	*	1,800	14,000	550	double worm	digital	16	1° / 0.5°	360° +/- 180°	4	RS-232	6
AlfaSpid RAK @ 24V	*	3,240	14,000	550	double worm	digital	16	1° / 0.5°	360° +/- 180°	4	RS-232	6
Big Boy PST 2051D	25	1,255	7,125	1,870	Worm	digital	31		500	5	RS-232	
Big Boy PST 61D	39	2,150	16,530	1,870	Worm	digital	22		500	5	RS-232	
Big Boy PST 61DHP	42	7,640	16,530	1,870	Worm	digital	77		500	5	RS-232	
Big Boy PST 641D	12	570	3,135	990	Worm	digital	22		500	5	RS-232	
Big Boy PST 71D	88	7,980	30,400	2,200	Worm	digital	77		500	5	RS-232	
Hygain HAM IV	15	800	5,000	800	wedge	analog	19	6°	360°	8	**	
Hygain HAM V	15	800	5,000	800	wedge	digital	19	6°	360°	8	**	
Hygain HDR300	25	5,000	7,500	500	worm	digital	25		360° +/- 15°	7	**	
Hygain T2X	20	1,000	9,000	1,000	wedge	analog	21	6°	360°	8	**	
Hygain T2XD	20	1,000	9,000	1,000	wedge	digital	21	6°	360°	8	**	
M2 Orion 2800	35	2,800	17,000	1,800	Worm	digital	42	+/- 0.5°	360° +/- 14°	4	RS-232	10
Yaesu G1000DXA	23.5	950	5,200	440	wedge	analog	7.7		360° +/- 45°	6	***	
Yaesu G2800DXA	32	2,170	21,700	661	planetary gears	analog	13		360° +/- 45°	6	***	
Yaesu G800DXA	17	950	3,450	440	wedge	analog	7.5		360° +/- 45°	6	***	

* Wind load areas are computed using different formulas by different manufacturers, Torque is a better measurement.

Instead of making a claim based on an unknown formula, we'll let the torque numbers speak for themselves.

**Hygain Rotators require interface for CPU control

***Yaesu Rotators use a "K" factor for Torque values and requires interface for CPU control

***** May require auxiliary power relays

Note: the correct term for Torque is Inch lb or in the SI system N M

Note: the correct unit for Weight is Lb Force, the correct unit for weight in the SI system is N (Newton) (Kg is a unit of Mass not weight)

This document was updated by J. T. Mitchell VE6OH on April 4 , 2009 and is believed to be correct.

Data for this comparison was pulled from retail websites in April 2009.