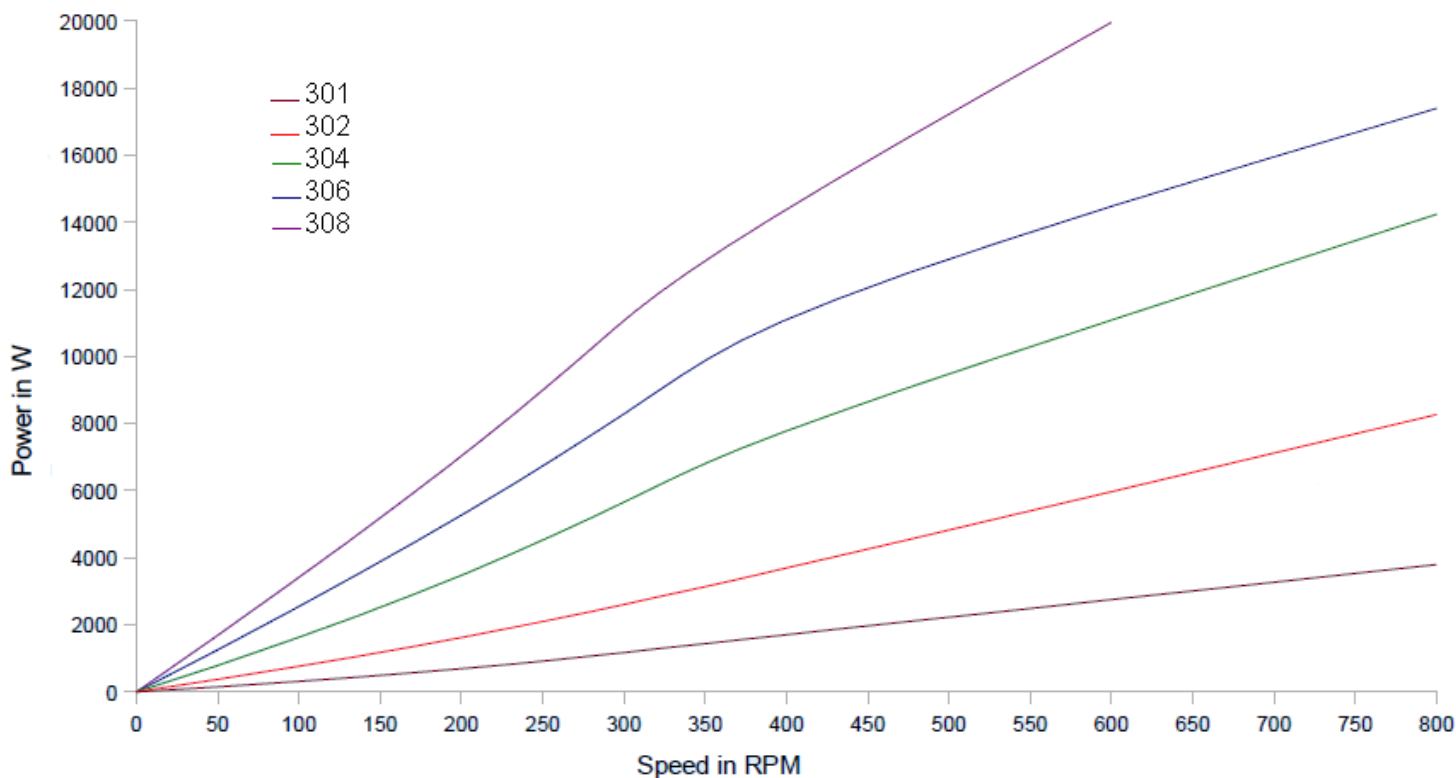


TECHNICAL CHARACTERISTICS

300 ATK ALTERNATORS

		301		302		304		306		308	
	Rated speed	tr/min		350	800	350	800	350	800	350	600
Rated Power at Rated Speed	Rated power (1)(2)	W		1444	3793	3141	8270	6858	14240	9782	19965
	Input torque at rated speed(1)(2)	N.m		52,5	52,4	104	111	225	187	310	348
	Efficiency at rated power (1)(2)	%		75	87	82	89	84	92	87	92
	Current at rated power (1)	A		3,7	9,9	7,3	19,2	16,8	34,2	23,6	42,9
	Voltage at rated power (1)(2)(3)	V		232	230	255	258	242	251	247	247
Rated Power at Halfspeed	Rated Power at half speed (1)(2)	W		496	1706	1276	3665	2688	7985	4333	11700
	Input torque at half speed (1)(2)	N.m		40,5	52,4	99	104,5	186	225	310	309
	Efficiency at half speed (1)(2)	%		67	78	71	84	78	85	77	88
	Number of poles (number of pairs of poles)	24 (12)									
	Cogging torque	N.m		0,5		1		2		4	
	Phase resistance at 20°C	Ohm		8,75	1,24	2,87	0,51	0,97	0,15	0,53	0,08
	Phase inductance (5)	mH		33,4	4,8	17,3	3	8,1	1,25	5,2	0,75
	Voltage at no load (back emf) at 20°C (4)	V		329	284	335	316	323	289	311	277
	Rotor inertia	10 ⁻³ kg.m ²		26,4		52,7		105,5		158,2	
	Weight	kg		11,5		18		31		44	
	Power cable square section (6)	mm ²		4x1,5		4x1,5 4x2,5		4x1,5 4x6		4x4 4x10	
	Power cable diameter	mm		Ø8		Ø8 Ø9,6		Ø8 Ø13,4		Ø11,1 Ø16,7	

Alternator 300ATK Power - Speed



- (1) Ambient temperature 40°C
 Wind speed 10 m/s cooling the housing
 Winding temperature rise < 100°C
 Stator housing in contact with the ambient air or integral on all its peripheral area with a metallic armature in contact with the ambient air
 Stator housing secured on a metallic frame getting an area equal to twice the cross section of the housing
- (2) Operation in sine wave mode with unity power factor
- (3) Line to line voltage. Voltage level may be adapted according to the application; please contact us
- (4) Line to line voltage, alternator at no load, rated speed and at 20°C
- (5) For current at rated power
- (6) For currents lower than 53 Amps, one cable
 For currents over 53 Amps, four single wires output (highlighted in the table)