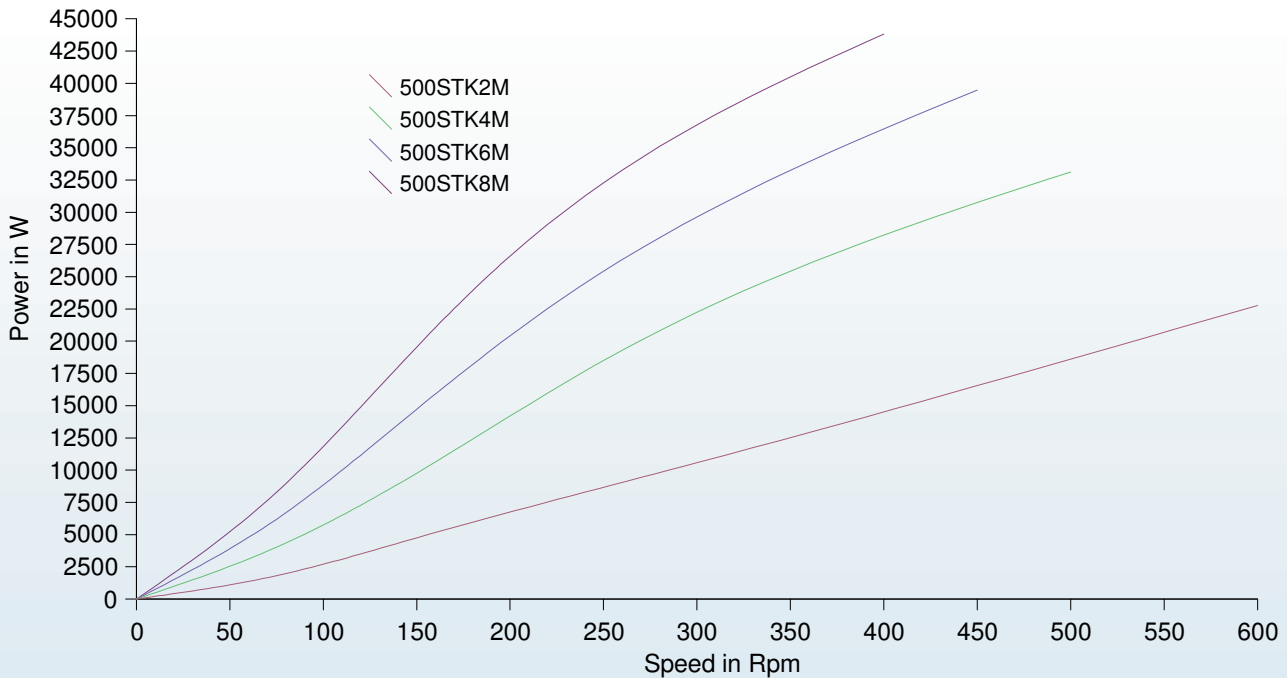


TECHNICAL CHARACTERISTICS

500 STK ALTERNATORS

		500STK2M		500STK4M		500STK6M		500STK8M	
Rated speed	Rpm	150	600	150	500	150	450	150	400
Rated power (1)(2)	W	4743	22774	9761	33126	14724	39483	19539	43824
Current at rated speed (1)	Amps	11.9	57.1	24.5	83.0	36.9	99.0	49.0	109.8
Voltage at rated power (1)(2)(3)	V	133	133	133	133	133	133	133	133
Power at half speed (1)(2)	W	1812	10566	4017	18492	6195	23025	8284	26600
Phase resistance at 20°C	Ohm	2.08	0.1	0.71	0.05	0.41	0.04	0.29	0.03
Phase inductance	mH	15.6	0.87	7.41	0.57	4.92	0.45	3.75	0.42
Phase emf at 20°C (4)	V	187.2	175.9	181.7	167.9	180.7	163.5	181.8	162.4
Rotor inertia	10 ⁻³ Kg.m ²	433	433	865	865	1296	1296	1730	1730
Weight	Kg	43	43	73	73	103	103	133	133
Power cable square section	mm ²	4x1.5	4x16	4x4	4x16	4x6	4x25	4x10	4x25

500 STK Generators Power - Speed



- (1) Ambient temperature 40°C
 Wind speed 10 m/s
 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 with unitary power factor
- (3) Single voltage, voltage is 230Vac phase to phase. Voltage level may be adapted according to the application
- (4) Alternator at no load and rated speed