



INNERSPACE CORPORATION

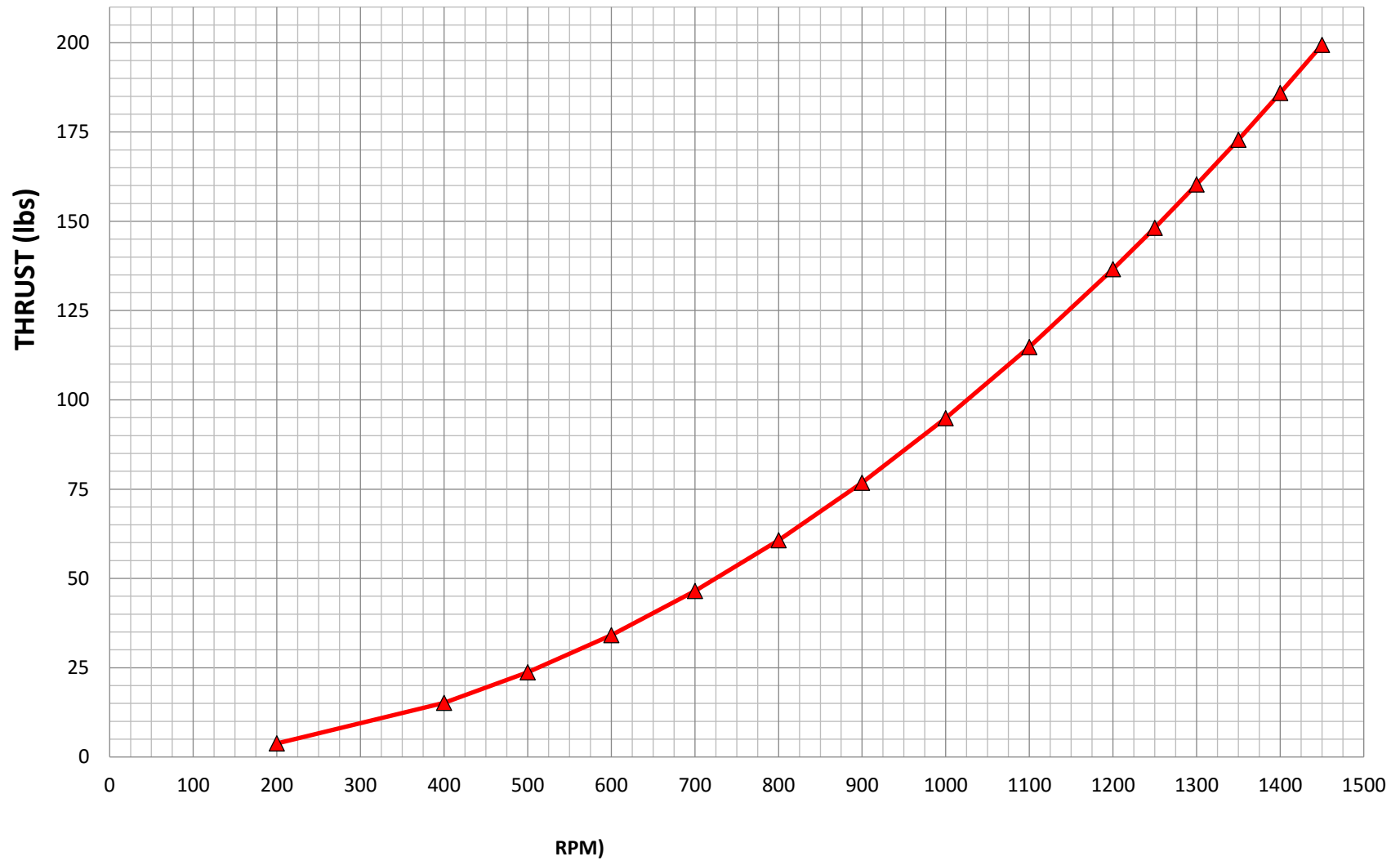
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1002 ELECTRIC THRUSTER with BDC 12120HB-03 Electric Motor

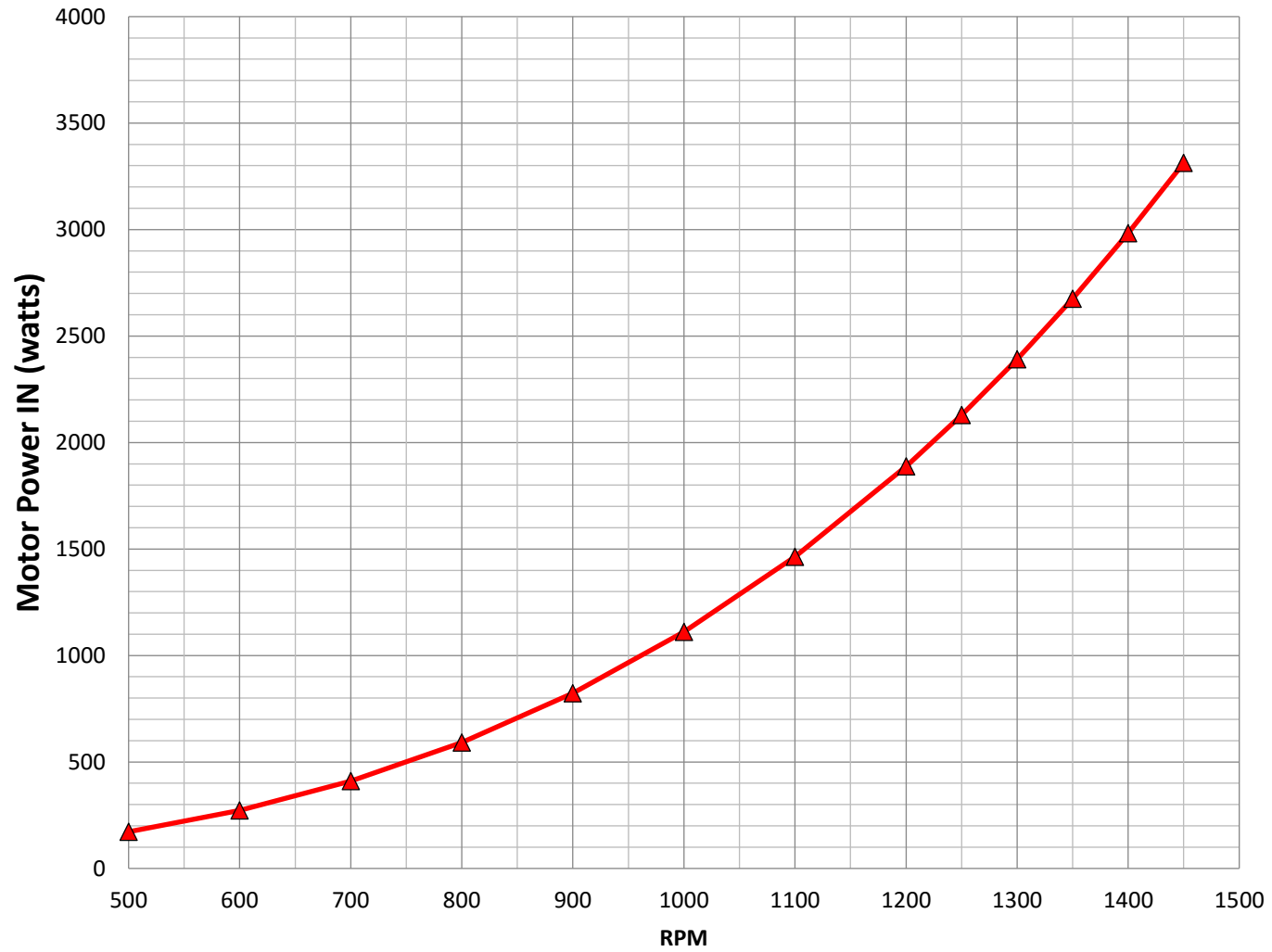
MOTOR PERFORMANCE BASED ON MIN SYSTEM VOLTAGE = 120 VDC

SPEED RPM	VOLTAGE (VDC)	CURRENT (A rms)	TORQUE		THRUST			POWER SHAFT		POWER IN		Efficiency Pout/Pin
			N-M	in-lbs	lbs	Kgf	N	(HP)	(watts)	(watts)	(HP)	
200	14.5	1.6	1.3	11.2	4	2	17	0.04	26	28	0.0	95.1%
400	28.8	3.0	2.3	20.6	15	7	68	0.13	98	102	0.1	95.4%
500	36.2	4.0	3.1	27.7	24	11	105	0.22	164	172	0.2	95.1%
600	43.8	5.3	4.1	36.4	34	15	152	0.35	258	273	0.4	94.7%
700	51.5	6.8	5.3	46.6	46	21	207	0.52	386	410	0.5	94.2%
800	59.4	8.5	6.6	58.4	61	28	270	0.74	553	591	0.8	93.7%
900	67.5	10.4	8.1	71.8	77	35	342	1.03	765	822	1.1	93.1%
1000	75.7	12.6	9.8	86.8	95	43	422	1.38	1028	1110	1.5	92.5%
1100	84.1	15.0	11.7	103.4	115	52	510	1.80	1346	1463	2.0	92.0%
1200	92.7	17.7	13.7	121.5	137	62	608	2.31	1726	1888	2.5	91.4%
1250	97.1	19.1	14.8	131.2	148	67	659	2.60	1941	2129	2.9	91.1%
1300	101.5	20.5	16.0	141.2	160	73	713	2.91	2173	2392	3.2	90.8%
1350	105.9	22.0	17.1	151.6	173	78	769	3.25	2423	2676	3.6	90.6%
1400	110.4	23.6	18.4	162.5	186	84	827	3.61	2693	2982	4.0	90.3%
1450	114.9	25.3	19.6	173.7	199	90	887	4.00	2982	3313	4.4	90.0%

1002/12120HB-03 ELECTRIC THRUSTER (THRUST vs RPM)



1002/12120HB-03 ELECTRIC THRUSTER (Motor Power WATTS VS RPM)



1002/12120HB-03 ELECTRIC THRUSTER (SHP VS RPM)

