


ABB Oy MV Induction Machines		Classifying code or document type PERFORMANCE DATA OF MOTOR				
Department/Author PIE/N. Azoulay	Date of issue 21.12.2012	Lang. En	Rev. date	Our ref. 4442HG200/201/202/203/204 N025313-1,-2,-3,-4,-5		
Customer ref. UL0422094-5,-10,-15,-20,-25 Peregrine 1 12S001453-21,-22,-23,-25,-26		Saving Ident 8019686A	Rev./Changed by A	Pages 1/2		

Driven equipment Thruster TT 2400

Motor type code	AMI 500L6A VAMH			
Motor type	Squirrel cage Motor			
Mounting designation	IM 4011			
Protected by enclosure	IP 55			
Method of cooling	IC 611			
Insulation	Class F			
Standards	IEC			
Classification	DNV			
Ambient temperature, max.	45 °C			
Altitude, max.	1000 m.a.s.l.			
Duty type	S1			
Temp. rise	Class F (RES)			
Connection of stator winding	Star			
Rated output	1400 kW			
Voltage	6000 V ±5 %			
Frequency	50 Hz			
Speed	992 rpm			
Current	162 A			
Relat. starting current	5,7			
Relat. starting torque	0,7			
Relat. maximum torque	2,3			
No load current	52 A			
Rated torque	13475 Nm			
Load characteristics	Load %	Current A	Efficiency %	Power Factor
	100	162	96,1	0,87
	75	125	96,2	0,84
	50	92	95,9	0,77
Direction of rotation	Uni-directional			
Sound pressure level: (sinus supply, no load)	79 dB(A), tol. + 3 dB(A), 1 m			
Inertia rotor / load	Approx. 68 kgm ² / 41 kgm ²			
Maximum stalling time	15 s (warm)			
Starting time	1,0 s (U=100%) 1,9 s (U=80 %)			
Number of consec. starts	3 / 2 (cold/warm)			
Maximum number of starts	1000 / year			
Warm-up time constant	35 min			
Cool-down time constant	210 min			

This performance data is final and the Motor will be manufactured accordingly. All Motor data is subject to tolerances in accordance with IEC.

Efficiency based on typical additional load losses acc. measurements.

ABB Oy

MV Induction
Machines

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Motor type code: AMI 500L6A VAMH

Rated output	1400 kW	Power Factor	0,87
Voltage	6000 V ± 5 %	Rated torque	13475 Nm
Frequency	50 Hz	Relat. starting current	5,7
Speed	992 rpm	Relat. starting torque	0,7
Current	162 A	Relat. maximum torque	2,3

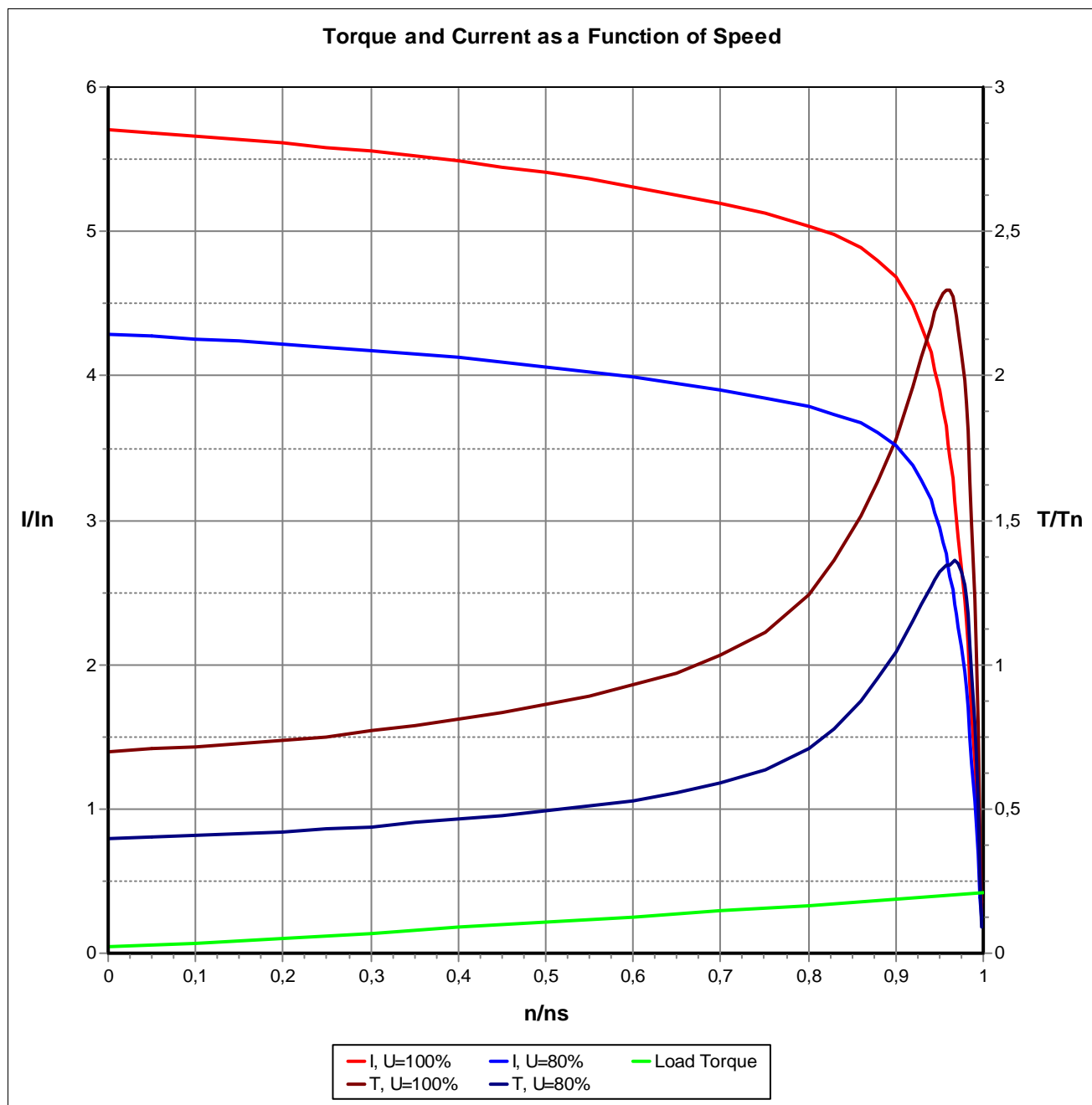


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