

ABB Oy Motors & Generators		PERFORMANCE DATA OF MOTOR			
Department/Author MLA000/TISA	Date of issue 12.3.2018	Lang. En	Rev. date	Our ref. TMAA-ASUG9J-TISA25	
Customer ref.	Saving Ident TMAA-ASUG9J-TISA25		Rev./Changed by A	Pages 1/3	

Driven Motor:

Motor type code	M3BN 587 MLB 8G
Motor product code	3GBN984420-ADG (+209)
Motor type	Squirrel cage Motor
Mounting designation	IM 1001
Protected by enclosure	TEFC
Method of cooling	TEFC
Insulation	Class F (Shock Resistant)
Service factor	SF1.15 TEMP RISE CLASS F
Standards	NEMA
Ambient temperature, max.	40 °C
Altitude, max.	3280 ft.a.s.l.
Duty type	Continuous
Temp. rise	Class B
Connection of stator winding	Delta
Rated output	350 HP
Voltage	460 V
Frequency	60 Hz
Speed	894 r/min
Current	436 Amps
Locked rotor Amps	780 % Code J
Locked rotor torque	180 %
Breakdown torque	300 %
No load current	204 Amps
Rated torque	2056 lb-ft
Load characteristics	Load % Current Amps Efficiency % Power Factor
	100 436 95,2 0,79
	75 354 95,1 0,73
	50 281 94,2 0,62

Typical calculated values to NEMA. -

ABB Oy

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Motor type code: M3BN 587 MLB 8G

Rated output	350 HP	Power Factor	0,79
Voltage	460 V	Rated torque	2056 lb-ft
Frequency	60 Hz	Locked rotor Amps	780 %
Speed	894 r/min	Locked rotor torque	180 %
Current	436 Amps	Breakdown torque	300 %

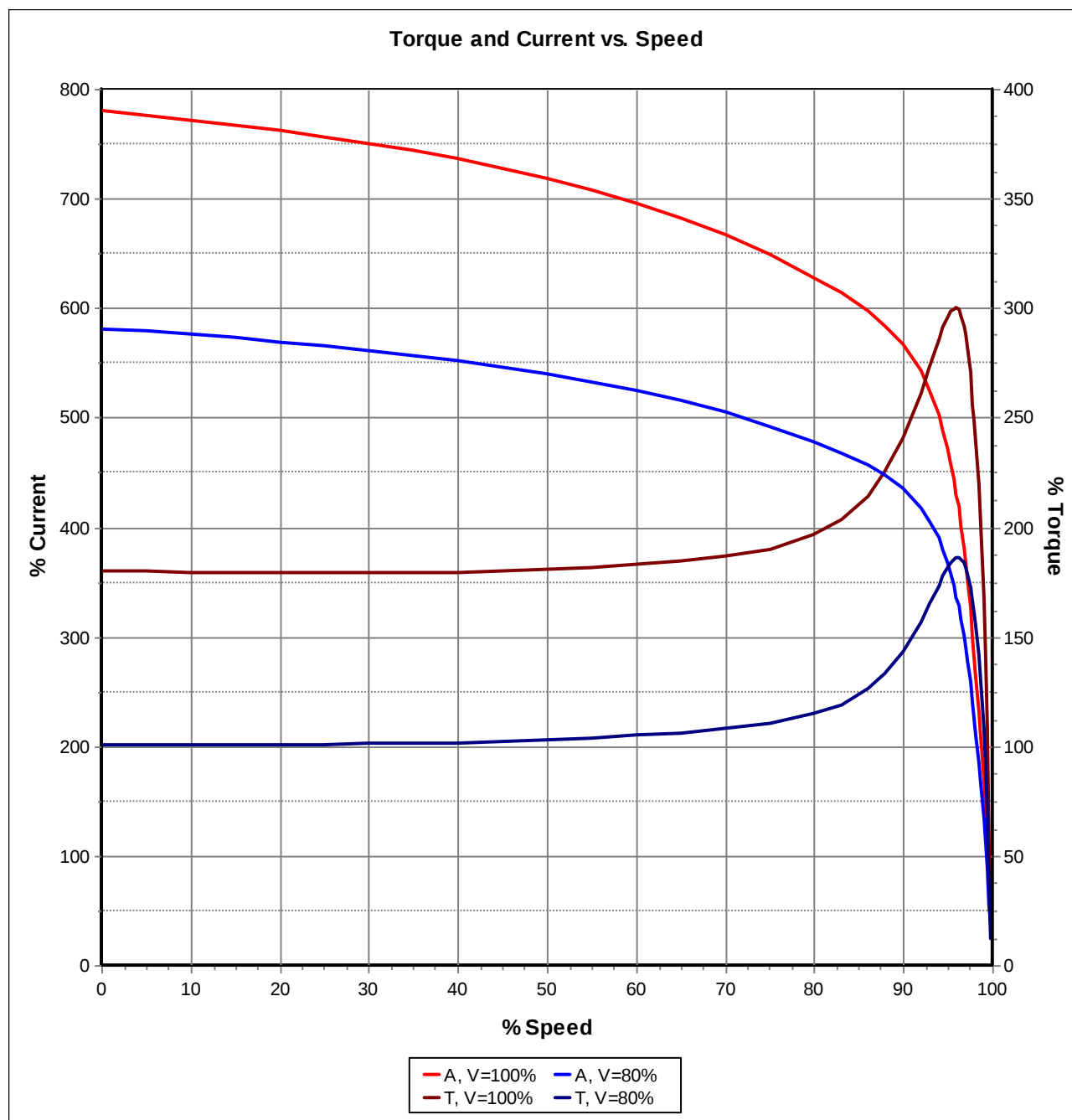


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PWM
Switch. freq. 3kHz
FWP 460VD 60Hz
VSD-Duty Temp. rise class F

Drive1

Rated power	87,5 HP
Rated voltage	118 V
Nominal frequency	15,4 Hz
Type of connection	Delta
Rated torque	2042 lb-ft
Speed	225 rpm
Current	438 Amps

Drive2

Rated power	350 HP
Rated voltage	460 V
Nominal frequency	60,5 Hz
Type of connection	Delta
Rated torque	2042 lb-ft
Speed	900 rpm
Current	468 Amps

Constant torque 225 – 900rpm

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