

ABB Oy MV Induction Machines		Classifying code or document type PERFORMANCE DATA OF MOTOR			ABB	
Department/Author PIE/J. Kinnunen	Date of issue 7.6.2006	Lang. En	Rev. date 20.10.2006	Our ref. 7862HE300/301/302/303/ 304/305/306/307		
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Driven Machine: Top Drive

Motor type code Machine type Type of Ex-protection Mounting designation Protected by enclosure Method of cooling Insulation / Temp. rise Standards Ambient temperature, max. Altitude, max.	HXR 450LM8 Squirrel cage motor EEx e II T3 acc.to ATEX IM 1011 IP 56 IC416 Class F / Class F IEC, EN 60079-7, DnV 45 °C 1000 m.a.s.l.
CONVERTER SUPPLY Duty type Rated torque Rated output Voltage Frequency Speed Current Power Factor Efficiency Relat. maximum torque	ACS S1 8.84 - 8.84 - 8.84 - 6.46 - 3.11 kNm 0 - 677 - 746 - 746 - 520 kW 0 - 660 - 660 - 660 - 660 V 0 - 49.0 - 54.0 - 74.0 - 107.0 Hz 0 - 731.0 - 805.0 - 1102.4 - 1597.2 rpm 800 - 800 - 845 - 845 - 600 A 0 - 0.77 - 0.80 - 0.80 - 0.80 0 - 96.2 - 96.2 - 95.9 - 94.5 % 2.0 - 2.0 - 1.6 - 1.2 - 1.2
OVER LOAD 1 min / 10 min	1.48 - 1.48 - 1.0 x Tn 1150 - 1150 - 845 A 0 - 728 - 1102 Rpm
Connection of stator winding Direction of rotation Sound pressure level (conv. Supply, no load) Inertia rotor	Delta Bi-directional 87 dB(A), tol. + 3 dB(A), 1 m 51,7 kgm ²

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

Output torque vs. speed

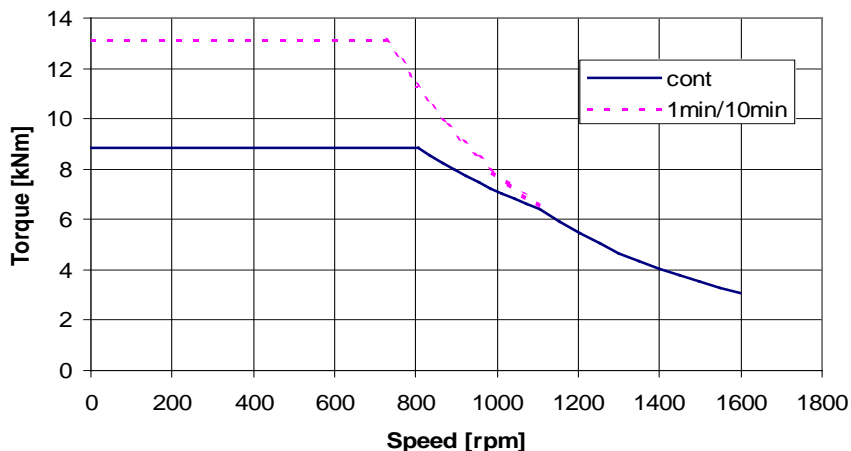


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