DATA SHEET

Three Phase Induction Motor - Squirrel Cage



: Grupa MGE : Grupa MGE Customer reference Product line : WEG GENERAL PURPOSE IE3 Product code: 16170269 Three-Phase : 200M/L Cooling method : IC411 - TEFC Frame Insulation class : F Mounting : B3T Duty cycle : S1 Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 Approx. weight³ Altitude : 252 kg Protection degree : IP55 Moment of inertia (J) : 0.1950 kgm² Design : N Output [kW] 37 37 Poles 2 2 Frequency [Hz] 50 60 Rated voltage [V] 400/690 460 Rated current [A] 66.3/38.4 58.7 L. R. Amperes [A] 477/277 470 LRC [A] 7.2 8.0 No load current [A] 23.0/13.3 21.8 Rated speed [RPM] 2960 3565 Slip [%] 1.33 0.97 Rated torque [Nm] 119 99.2 Locked rotor torque [%] 350 360 Breakdown torque [%] 330 380 Service factor 1.00 1.00 80 K 80 K Temperature rise Locked rotor time 25s (cold) 14s (hot) 34s (cold) 19s (hot) Noise level² 72.0 dB(A) 77.0 dB(A) 25% 50% 92.6 91.9 Efficiency (%) 75% 93.5 93.0 100% 93.7 93.0 25% 50% 0.73 0.71 Power Factor 75% 0.82 0.81 0.85 100% 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 7.3 P2 (0,5;1,0) 5.4 6.0 P3 (0,25;1,0) 5.4 4.8 P4 (0,9;0,5) Losses (%) 3.1 3.5 P5 (0,5;0,5) 2.3 2.0 P6 (0,5;0,25) 1.3 1.4 P7 (0,25;0,25) 0.8 0.9 Drive end Non drive end Foundation loads 6212 ZZ C3 Bearing type 6209 ZZ C3 Max. traction Sealing V'Ring V'Ring Max. compression Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in IEC (1) Looking the motor from the shaft end. 60034-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. **Changes Summary** Rev. Performed Checked Date

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	Thermal protection					
ID	ID Application Type Quantity Sensing Temperature					
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C		

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VFD OPERATION CURVE

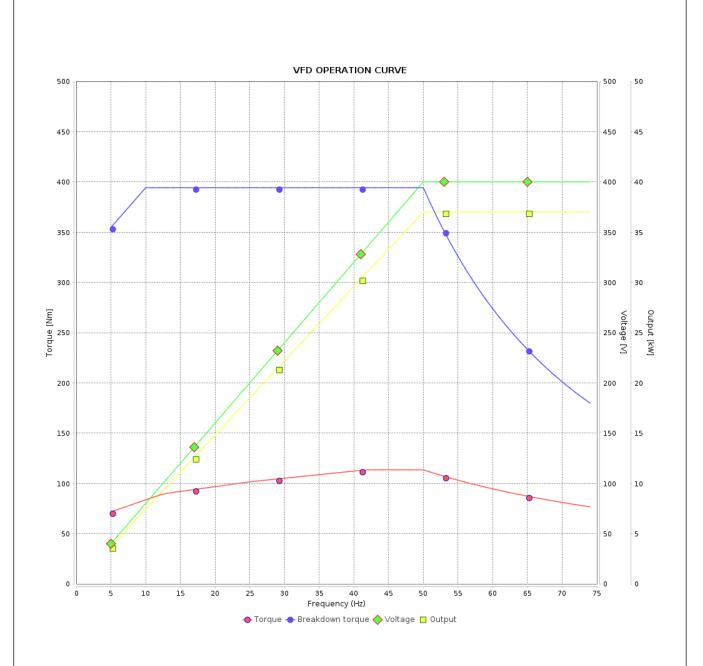
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Customer : Grupa MGE
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Product line : WEG GENERAL PURPOSE IE3 Product code : 16170269

Three-Phase



Performance	: 400/690 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1950 kgm² : S1 : F : 1.00 : 80 K : N	
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Date

VFD OPERATION CURVE

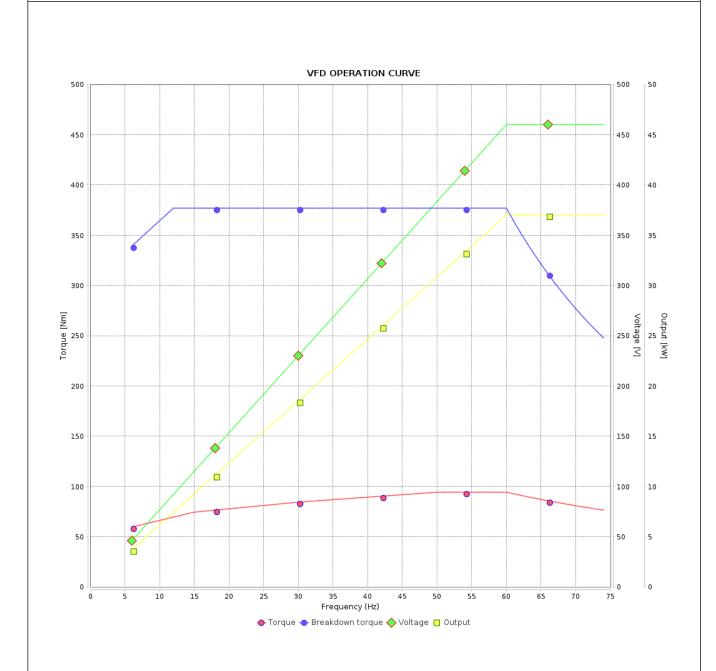
Three Phase Induction Motor - Squirrel Cage



Customer : Grupa MGE
Customer reference : Grupa MGE

Product line : WEG GENERAL PURPOSE IE3 Product code : 16170269

Three-Phase



Performance	: 460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 58.7 A : 8.0 : 99.2 Nm : 360 % : 380 % : 3565 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1950 kgm² : S1 : F : 1.00 : 80 K : N	
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