DATA SHEET

Three Phase Induction Motor - Squirrel Cage



	nce : Gr	upa MGE						
Product line		: WEG GENERAL PURPOSE IE3 Product code : Three-Phase			16017726			
Frame Insulation class Duty cycle Ambient temperature		: 160M : F : S1 : -20°C to +40°C	Mountin Rotatior		: IC411 - TEFC : B3T : Both (CW and CCW) : Direct On Line			
Altitude Protection degre Design		: 1000 : IP55 : N	Approx.	weight³ t of inertia (J)	: 122 kg : 0.0417 kg			
Output [kW]		15			15			
Poles		2		2				
Frequency [Hz]		50		60				
Rated voltage [V]		400/690		460				
Rated current [A]		27.1/15.7			24.3			
L. R. Amperes [A]		211/123			216			
LRC [A]		7.8			8.9			
No load current [A			10.8/6.26		10.2			
Rated speed [RPN	/]	2950			3555			
Slip [%]		1.67			1.25			
Rated torque [Nm]		48.6			40.3			
Locked rotor torqu		280		380				
Breakdown torque	[%]	370			430			
Service factor		1.00		1.00				
Temperature rise		80 K			80 K			
Locked rotor time		21s (cold) 12s (hot)			27s (cold) 15s (hot)			
Noise level ²	<u> </u>	67.0 dB(A)			72.0 dB(A)			
Efficiency (%)	25%							
	50%		91.1 91.9		90.8 91.0			
	75%	1						
	100%	91.9			91.0			
	25%							
Power Factor	50%		0.71			0.69		
	75%		0.82		0.80			
Losses at normat	100%	0.87 points (speed;torque), in perc	entage of ro	ted output power	0.85			
	we operating	P1 (0,9;1,0)		8.5		9.6		
		P1 (0,5;1,0) P2 (0,5;1,0)				8.2		
		P3 (0,25;1,0)		6.9				
Losses (%)	P3 (0,23,1,0) P4 (0,9;0,5)				4.6		
L03303 (, , , ,	P5 (0,5;0,5)		2.8		3.1		
		P6 (0,5;0,25)		1.7	1.9			
		P7 (0,25;0,25)		1.2	1.4			
Bearing type Sealing		<u>Drive end</u> <u>Non drive en</u> : 6209 ZZ C3 6209 ZZ C						
		: V'Ring V'Ring	Max. da	Max. compression				
Lubrication interv	/al	:						
Lubricant amoun								
Lubricant type		: Mobil Polyrex EM						
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This revision repla must be eliminate (1) Looking the m	ed. otor from the m and with t	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after		pply, subject to th	based on tests w ne tolerances stipt			
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(2) Measured at 1 (3) Approximate v manufacturing pro Rev.	20/09/202			Performed	Checked Page 1 / 5	Revision		

e 20/09/2024 1 / 5 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

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Customer : Grupa MGE Customer reference : Grupa MGE

Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 20/09/2024 2/5 Date

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DATA SHEET

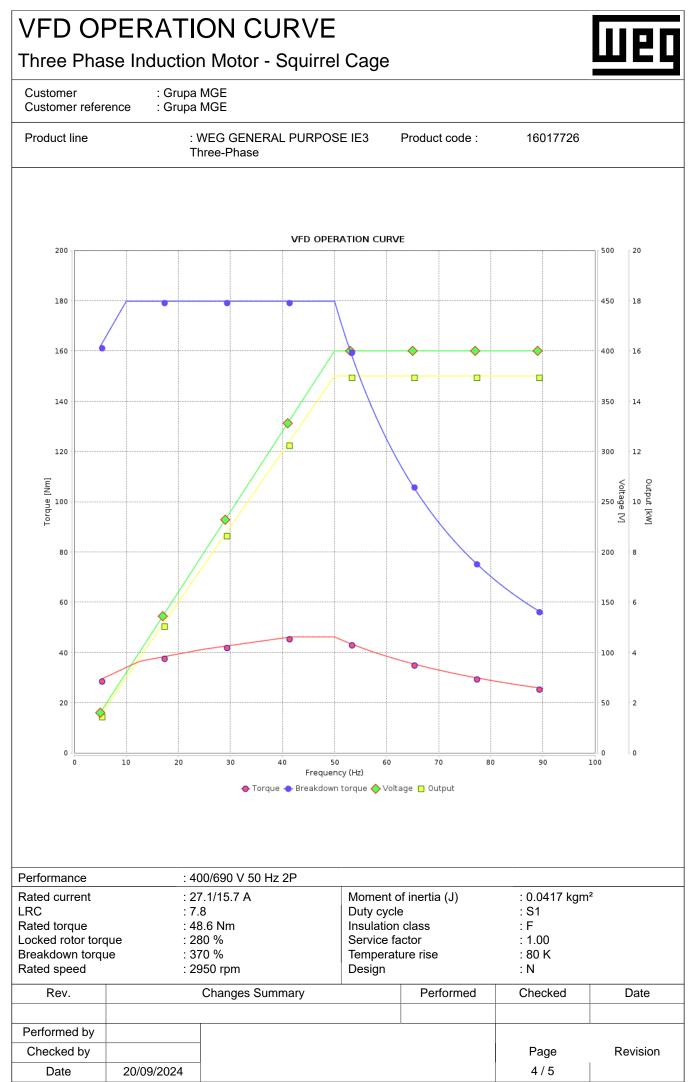
Three Phase Induction Motor - Squirrel Cage



: Grupa MGE : Grupa MGE Customer Customer reference

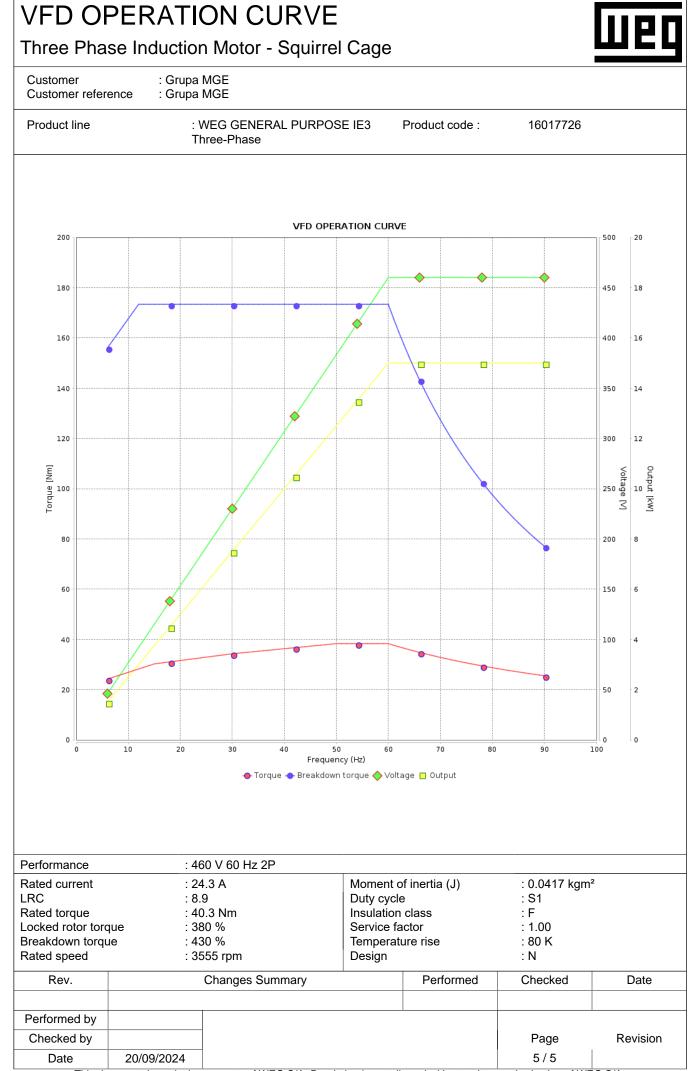
ID	Application Type Quantit			Sensing Temperature	
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C
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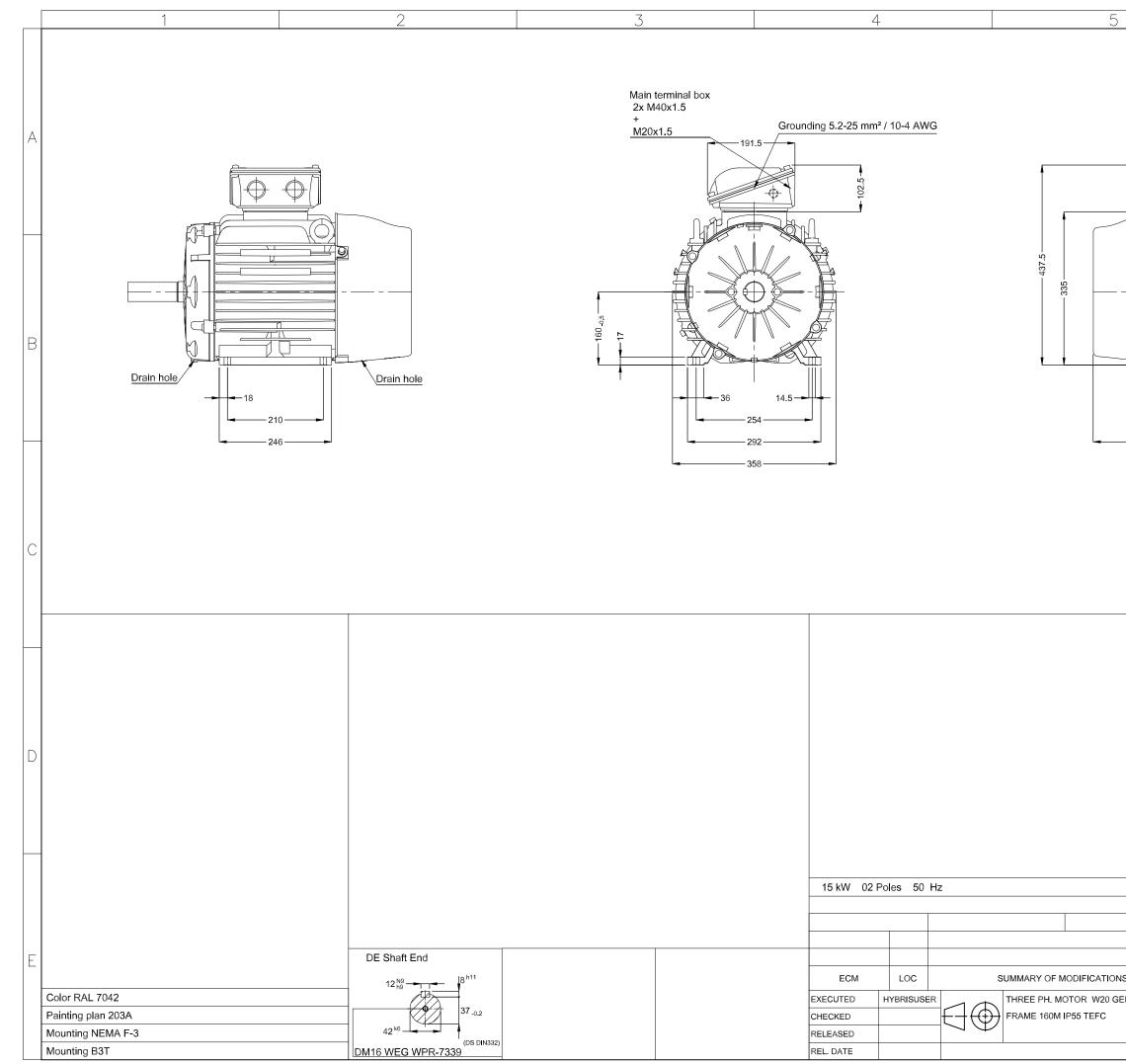


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