# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line	Efficien	icy Three-	Phase							
Frame Insulation class Duty cycle		: 182/4TC : F : Cont.(S1)			Cooling method Mounting Rotation <sup>1</sup>			: IC411 - TEFC : F-1 : Both (CW and CCW)		
Ambient temperature Altitude		: -20°C to +40°C : 1000 m.a.s.l.		Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		(1)	: Direct On Line : 56.8 kg : 0.0178 kgm²			
Protection degree Design	e	: IP55 : B			Moment	orinentia	(J)	: 0.017	а кут-	
Dutput [HP]		1.5		1.5			1.5			1.5
oles requency [Hz]		6 60		50			6 50			6 50
ated voltage [V]		230/460			380		400			415
ated current [A]		4.64/2.32		2.68			2.62		2.64	
. R. Amperes [A]		30.6/15.3		14.5			16.0		16.9	
RC [A]		6.6x(Code K)		5.4x(Code H)			6.1x(Code J)		6.4x(Code K)	
lo load current [A]	1	2.80/1.40		1.40			1.50		••••	1.60
Rated speed [RPN		1165		960			960		965	
Slip [%]	<u> </u>	2.92		4.00			4.00			3.50
Rated torque [kgfn	n]	0.934		1.13			1.13		1.13	
ocked rotor torqu		260			190		220		250	
Breakdown torque		330		250			250		290	
Service factor		1.15		1.00			1.00		1.00	
emperature rise		80 K		80 K			80 K		80 K	
ocked rotor time		63s (cold) 35s (hot)		25s (o	25s (cold) 14s (hot)		25s (cold) 14s (hot)		25s (c	old) 14s (hot
loise level <sup>2</sup>			dB(A)		9.0 dB(A)		49.0 dE			0.0 dB(A)
	25%									
Efficiency (%)	50%		34.5	85.5			84.5			84.0
	75%	86.5			86.5		86.5			85.5
	100%	87.5			85.5		86.5			86.5
	25%				0.50		0.40			0.45
Power Factor	50%	0.47		0.52			0.48			0.45
	75% 100%	0.59 0.68		0.63 0.73			0.60 0.70			0.57
								,		0.67
Losses at normati				n percer						
	P1 (0,		13.4 10.7		15.			14.7		14.7
		P2 (0,5;1,0)			12.7		11.7		11.7	
	P3 (0,2		10.0		11.		11.0		11.0	
Losses (%)	P4 (0,		8.2		9.7		9.0		9.0	
		25 (0,5;0,5)		5.5			6.0		6.0	
	P6 (0,5		4.4		5.2			4.8	_	4.8
	P7 (0,2		3.2		3.8			3.5		3.5
Bearing type Sealing		Drive endNon drive end:6307 2RS6206 2RS:Oil SealLip Seal		Foundation loads Max. traction			: 40 kgf			
				Seal	Max. com			: 97 kgf		
Lubrication interv	/al	-		-				3		
Lubricant amount		:								
Lubricant type		: Mobil Polyrex EM								
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with to veight subject	shaft end. plerance o	f +3dB(A).	nich				ased on tes tolerances		sinusoidal ed in NEMA
manufacturing pro	ocess.	Chan	jes Summary			Perfor	med	Checke	4	Date
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					I				I	
Performed by										
Performed by Checked by								Page		Revision

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Notes

Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	15/01/2024			2/7	

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ID	Application Type Quantity			Sensing	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C	
Rev.	Chan	ges Summary	Performed	Checked	Date
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Performed by Checked by			i i	Page	Revision

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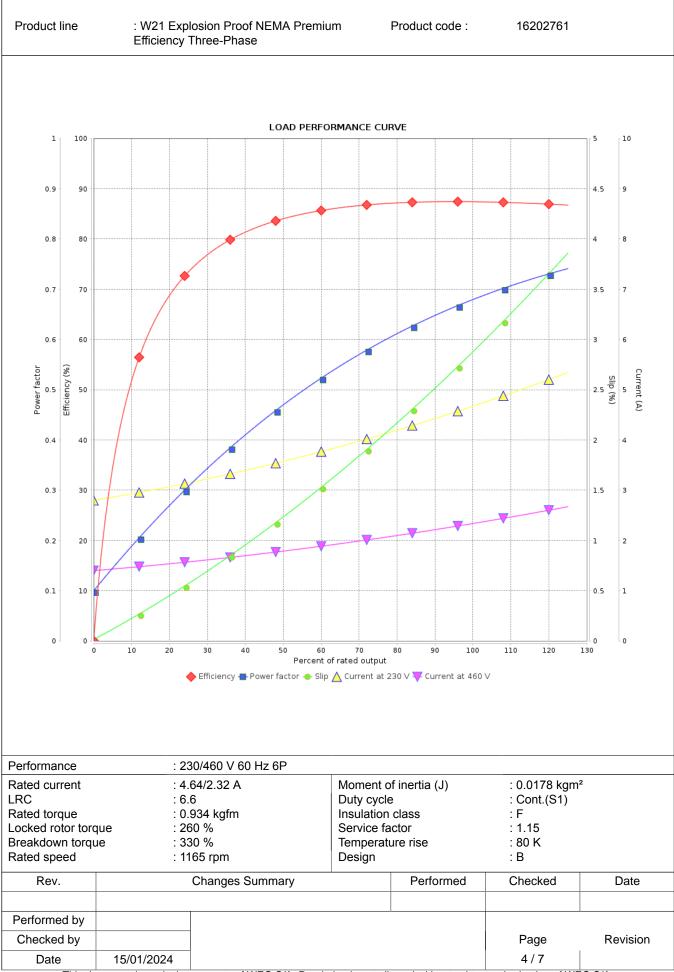
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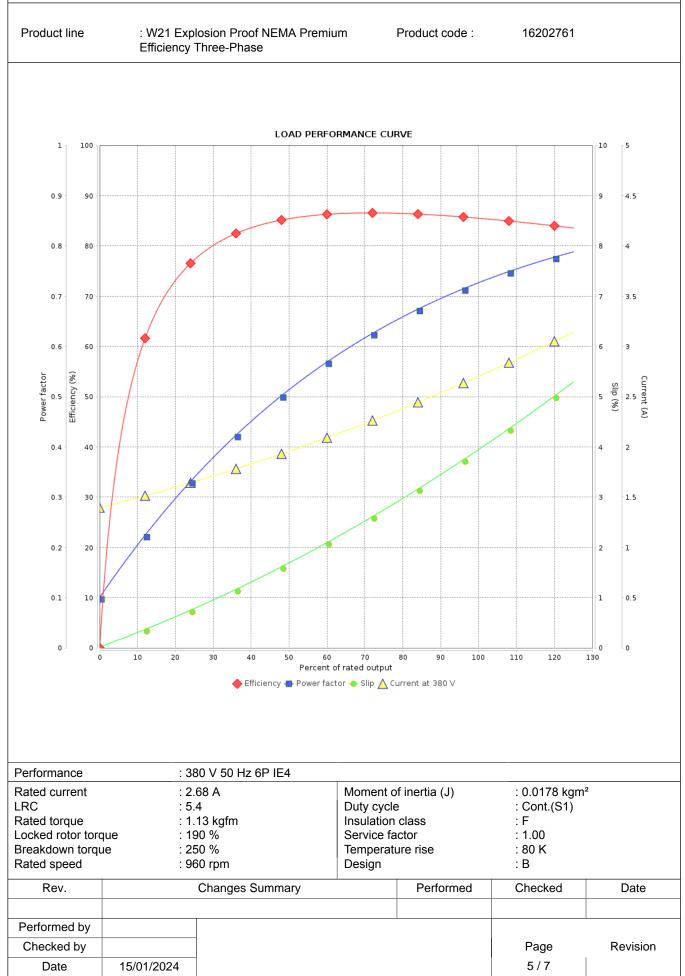


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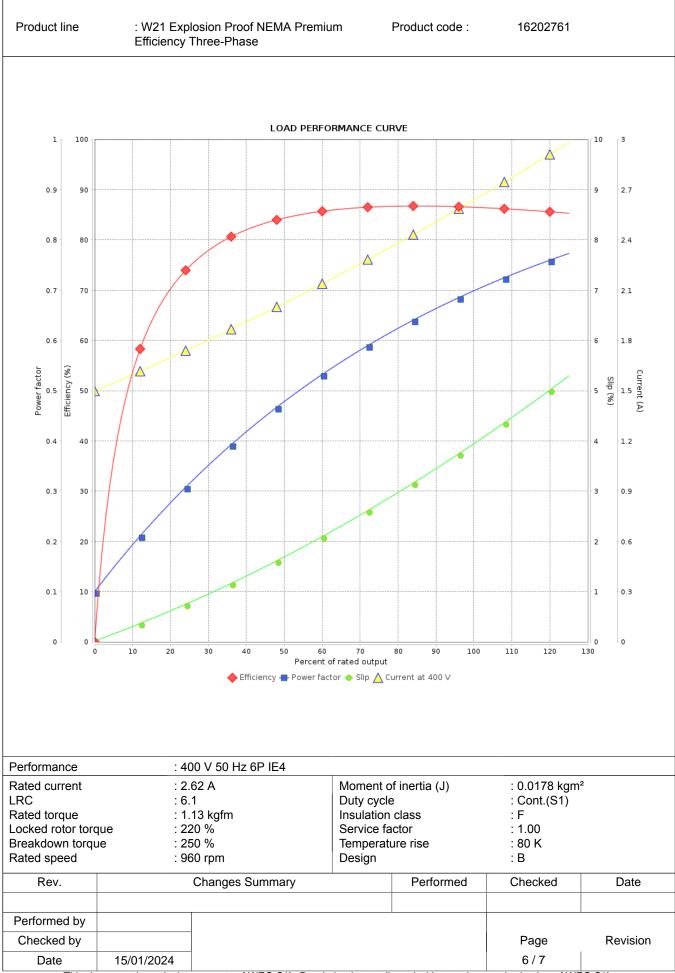
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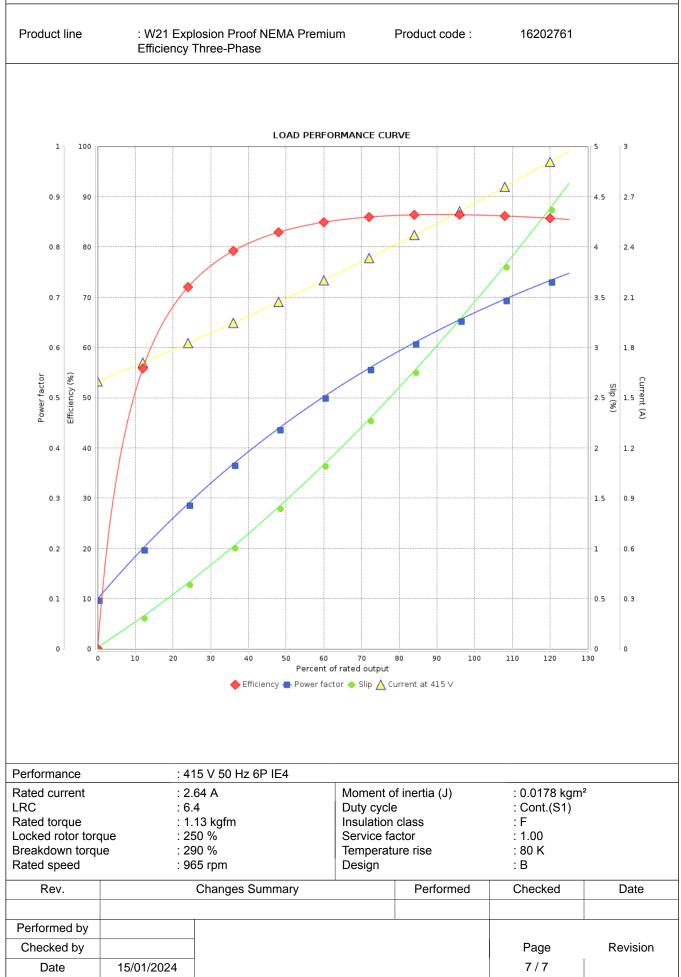


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