DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line	: VV22	Tru-Metric		lase	Pro	oduct coc	IE. 110	67531		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 280S/M : F : S1 : -20°C to +40°C : 1000 m.a.s.I. : IP55 : N			Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: B3 : B0 : Di : 74	: IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 747 kg : 2.55 kgm ²		
Output [HP]		125		125			125			
Poles		4		4			4			
Frequency [Hz]		50		50			60			
Rated voltage [V]		380		415			460			
Rated current [A]		167		156			141			
L. R. Amperes [A]		1169		1248			1142			
LRC [A]		7.0		8.0 51.5			8.1 46.0			
No load current [A] Rated speed [RPM		45.5 1483		51.5 1487			46.0			
Slip [%]	יו	1483		0.87			0.72			
Rated torque [kgfn	າ]	61.2			61.0		50.8			
Locked rotor torque	-	180		229			240			
Breakdown torque		200		229			260			
Service factor	-	1.25		1.25			1.25			
Temperature rise		80 K			80 K		80 K			
Locked rotor time		59s (cold) 33s (hot)			52s (cold) 29s (hot)		66s (cold) 37s (hot)			
Noise level ²) dB(A)	6	9.0 dB(A)		73.0 dB(A)			
	25%		94.9		94.5		93.1			
Efficiency (%)	50%	95.1		94.9			93.6			
,	75% 100%	95.3 95.4			95.5 95.8		95.0 95.4			
	25%).54).54		0.49		0.48			
-	20%	0.54			0.49		0.48			
Power Factor	75%	0.83		0.72			0.80			
_	100%		0.86		0.84		0.84			
Losses at normati		I		n nercor		d output r		1		
Losses at normative opera		(0,9;1,0) 4.5		i percer	4.1		4.5			
		,5;1,0) ,5;1,0)	3.1		2.8		3.1			
		P3 (0,25;1,0)		2.6			2.6			
Losses (%)		,9;0,5)	2.6		2.4 2.4		2.6			
		,5;0,5)	1.4		1.3		1.4			
		5;0,25)	1.0		0.9		1.0			
	P7 (0,2	25;0,25)	0.6		0.5		0.6			
Bearing type Sealing		Drive endNon drive end:6316 C36316 C3:WSealWSeal						: 781 kgf : 1528 kgf		
Lubrication interv		: 10000 h 10000 l								
Lubricant amount		: 34 g 34 g								
Lubricant type		: M	obil Polyrex E	-M						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full	d. otor from the m and with t veight subjec ocess.	shaft end. olerance o	f +3dB(A).	nich			alues based or at to the toleran			
		Changes Summary				Performed Checke		cked	Date	
Rev.							1			
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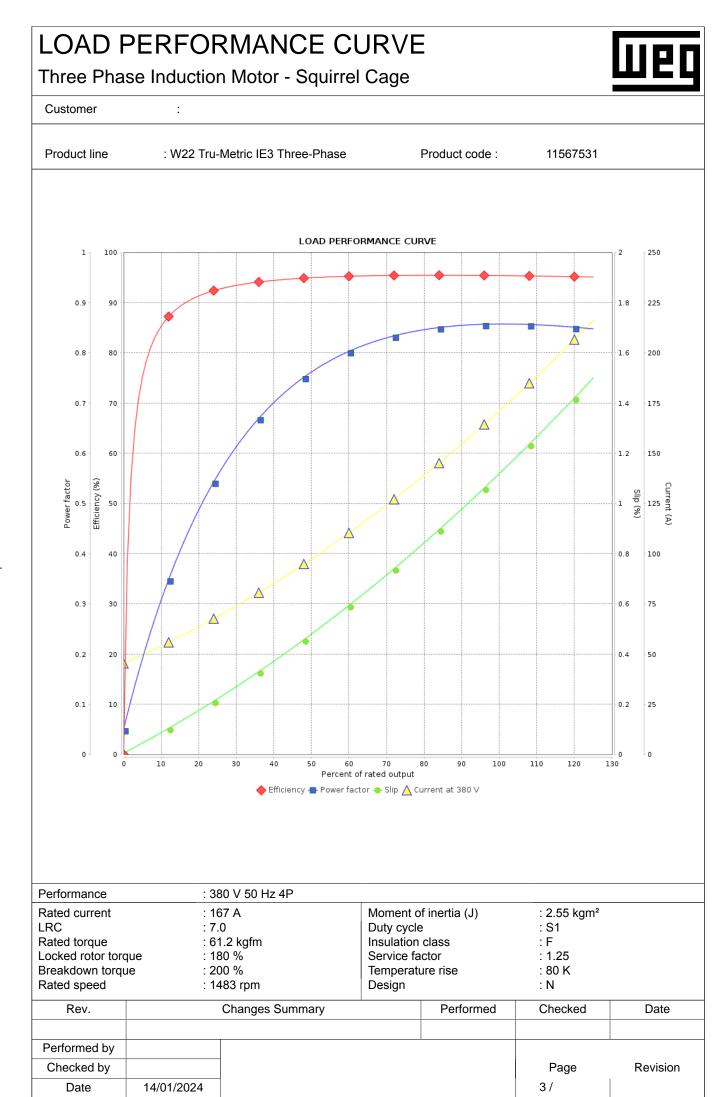
Customer

Notes

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/	

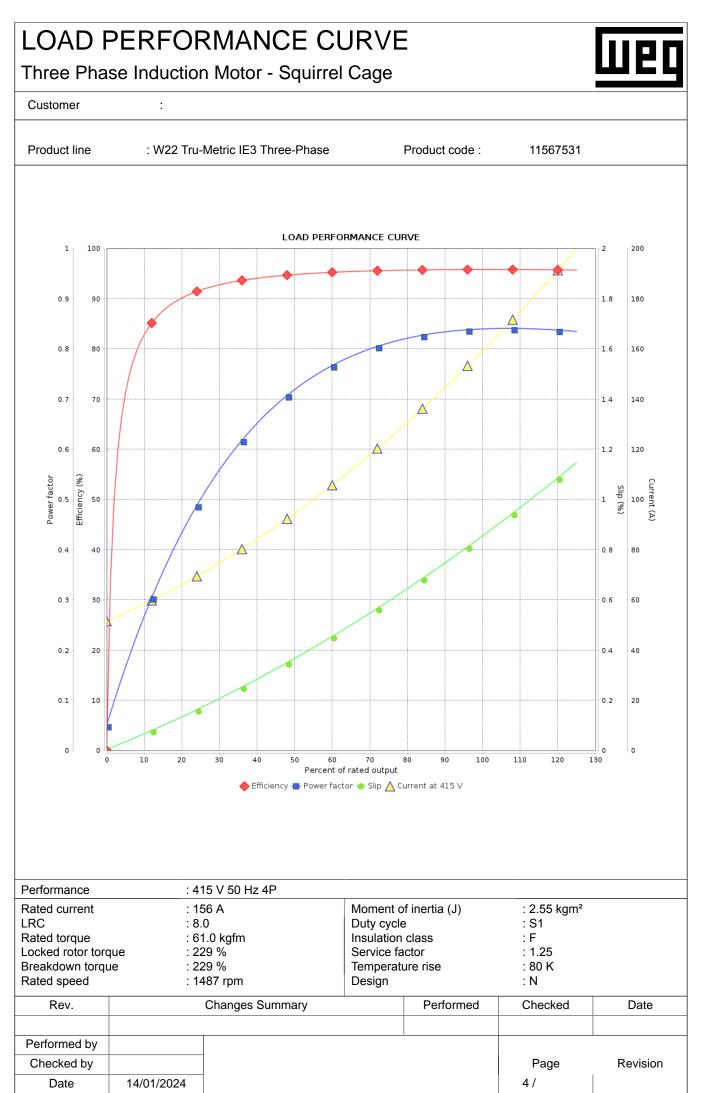
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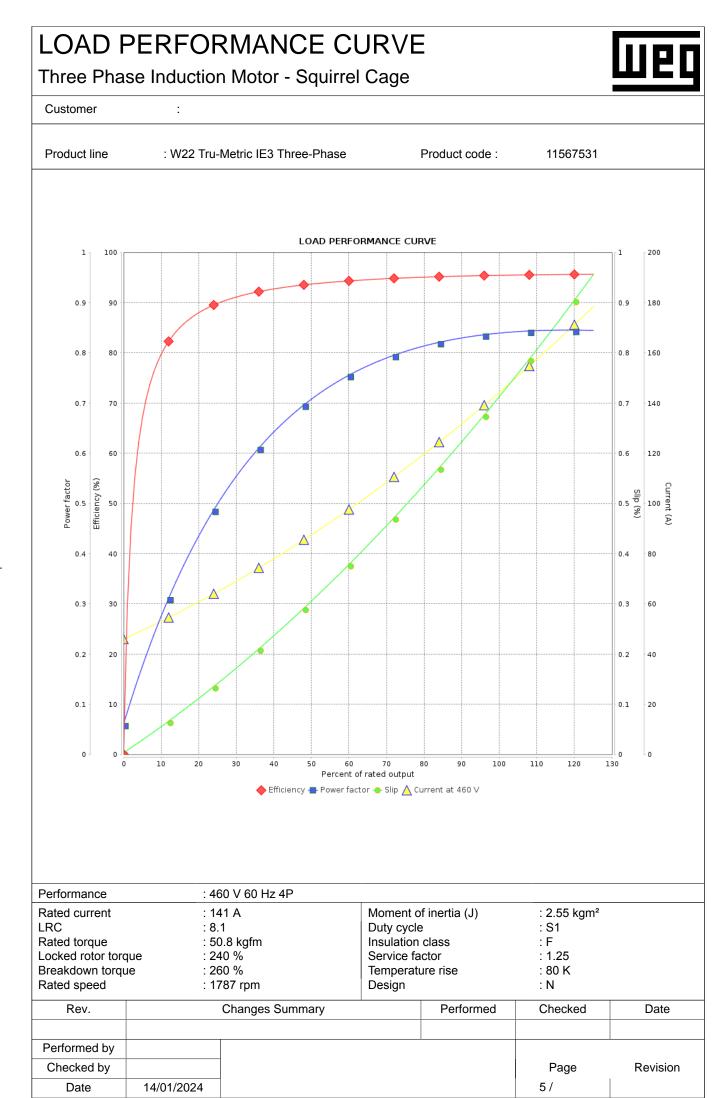
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