# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line	: W	/22 Tru-Metric IE3 Th	ree-Phase		Product code :	12792094		
Frame Insulation class Duty cycle		: 90S : F : S1	: F		method g 1 <sup>1</sup>	: IC411 - TEFC : B3L(E) : Both (CW and CCW)		
Ambient temperature		: -20°C to +40°(			method	: Direct On Line		
Altitude	laio	: 1000 m.a.s.l.			weight <sup>3</sup>	: 19.3 kg		
Protection degree		: IP55			of inertia (J)	: 0.0049 kgm <sup>2</sup>		
Design		: N				-		
Output [HP]		1	1		1	1		
Poles		4	-		4	4		
Frequency [Hz]			50		50	60		
Rated voltage [V]			380 1.75		415 1.73	230/460 3.02/1.51		
Rated current [A] L. R. Amperes [A]			1.75		12.5	24.2/12.1		
RC [A]		6.4			7.2	24.2/12.1		
No load current [A	1		0.950		1.15	1.90/0.950		
Rated speed [RPN			1445		1455	1760		
Slip [%]	-	3.67		3.00		2.22		
Rated torque [kgfn	n]		0.502		0.499	0.412		
ocked rotor torqu		210	)	260		280		
Breakdown torque			260		320	360		
Service factor			1.25		1.25	1.25		
Temperature rise			80 K		80 K	80 K		
Locked rotor time			37s (cold) 21s (hot)		(cold) 21s (hot)	39s (cold) 22s (hot)		
loise level <sup>2</sup>	0.50/	49.0 dE	3(A)		49.0 dB(A)	49	.0 dB(A)	
Efficiency (%)	25%		<b>`</b>					
	50% 75%	82.0		80.0 82.0		80.0		
	100%			82.0		84.0 84.0		
	25%	02.0	<i>.</i>	02.0		U		
	50%	0.58	3		0.50		0.51	
Power Factor	75%	0.71			0.63		0.65	
100%		0.79	0.79		0.73	0.74		
Losses at normat	ive opera	ting points (speed;tor	que), in perce	ntage of ra	ted output power			
		P1 (0,9;1,0)		9.7	19.7		17.7	
		P2 (0,5;1,0)		5.6	15.6		14.0	
		P3 (0,25;1,0)		5.3	15.3		13.7	
Losses (%)		P4 (0,9;0,5)		2.7	12.7	11.4		
		P5 (0,5;0,5)		.6 8.6		7.7		
		P6 (0,5;0,25)		.2	7.2		6.4	
		P7 (0,25;0,25)		.3	5.3		4.7	
			Non drive end	Foundati				
Bearing type		: 6205 ZZ	6204 ZZ	Max. traction		: 32 kgf		
Sealing		: V'Ring	V'Ring V'Ring		npression	: 52 kgf		
Lubrication interval Lubricant amount		· -	-					
Lubricant type		· · · : Mobil Po	Mobil Polyrex EM					
			-					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.				
		bject to changes after						
manufacturing pro	ocess.							
(4) At 100% of full load. Rev. Changes Summary				Performed	Checked	cked Date		
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						1	1	
Performed by								
						Page	Revision	

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Notes

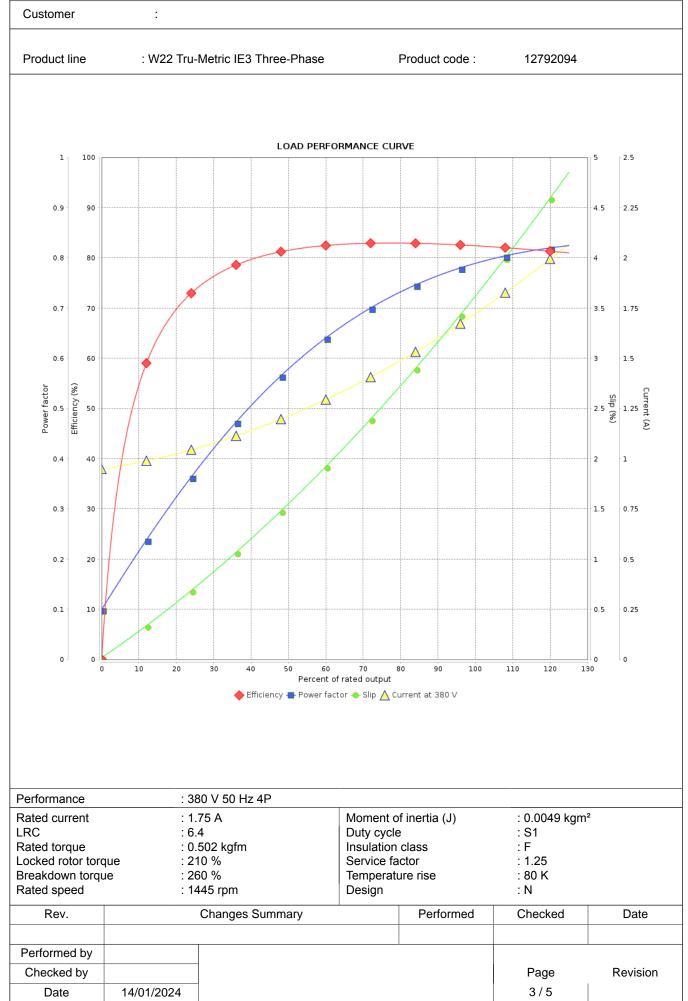
			1	1	
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/5	

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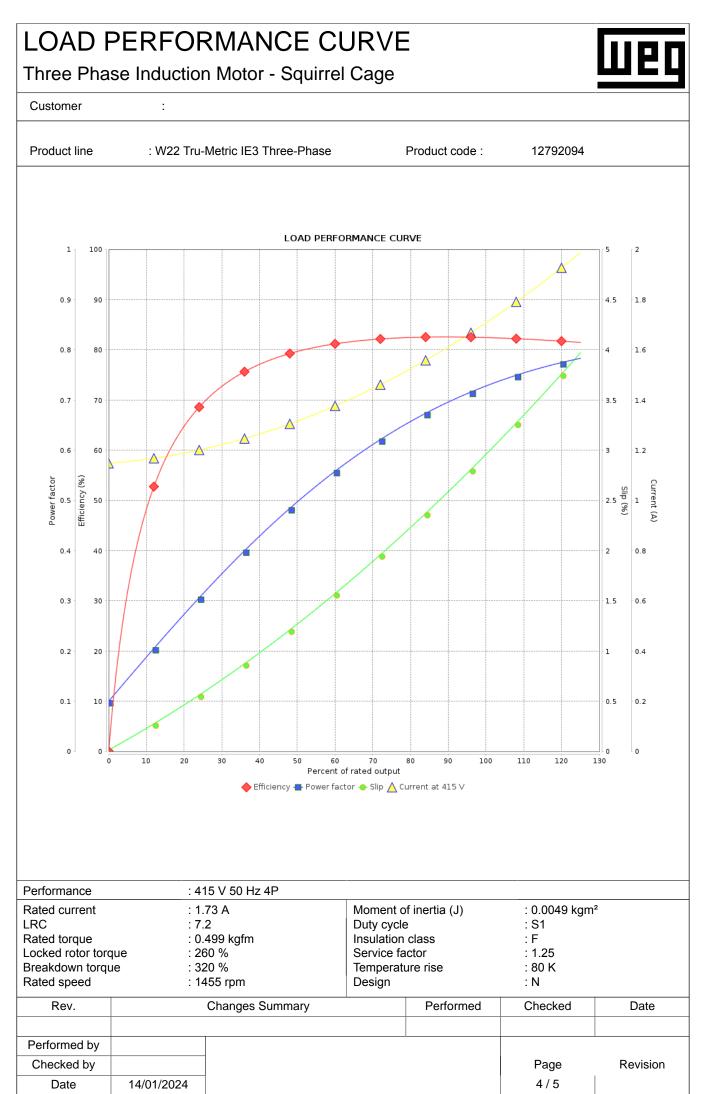


# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



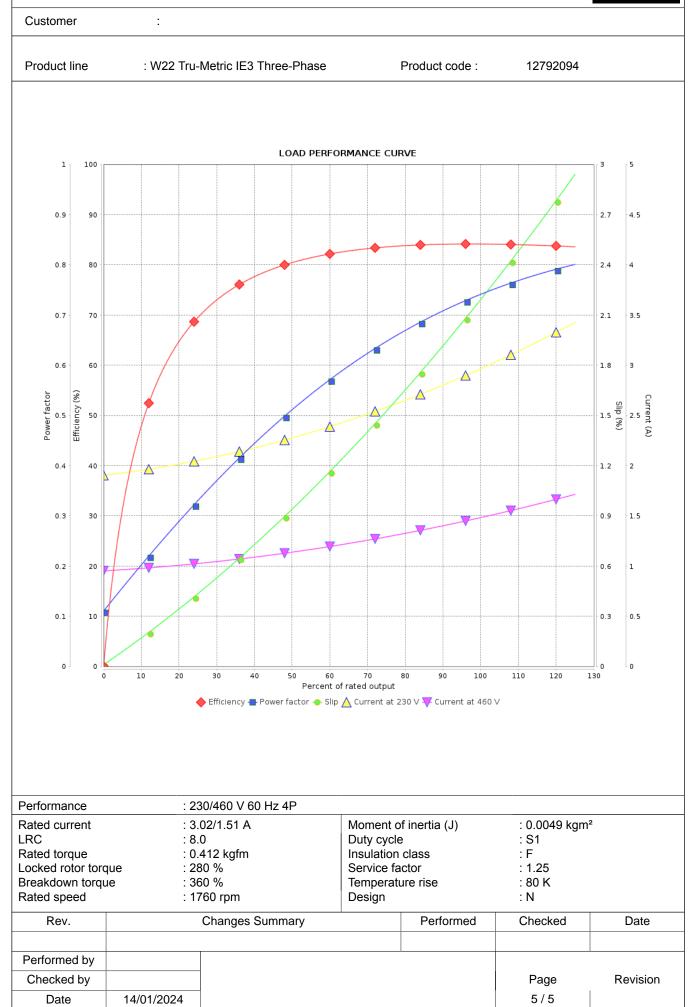
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