DATA SHEET

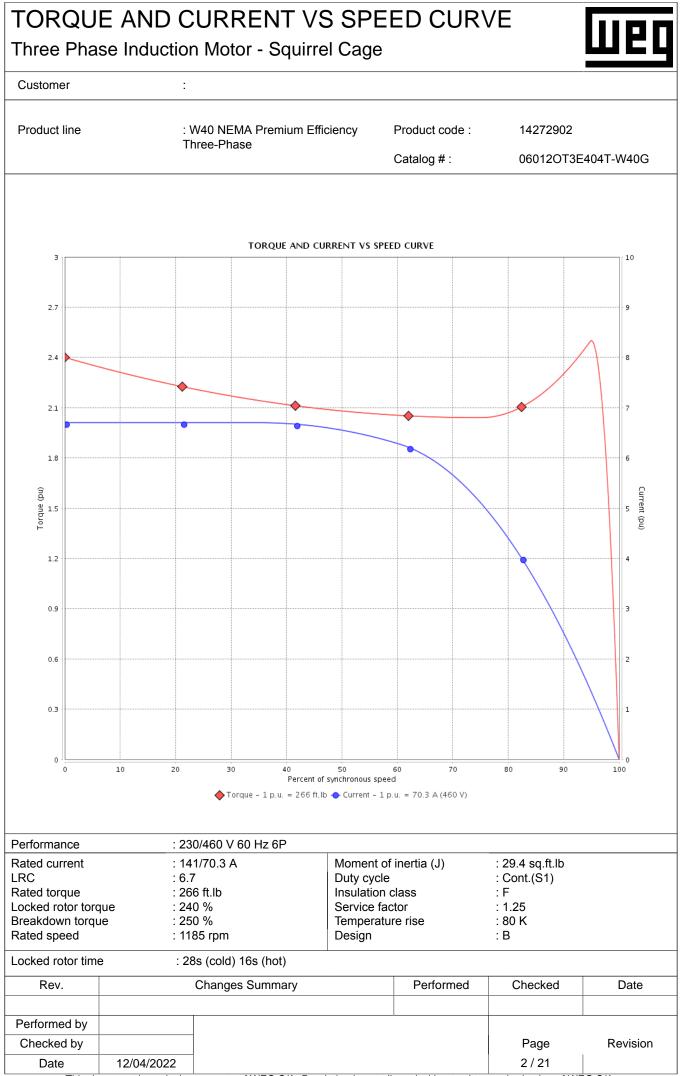
Three Phase Induction Motor - Squirrel Cage

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Customer

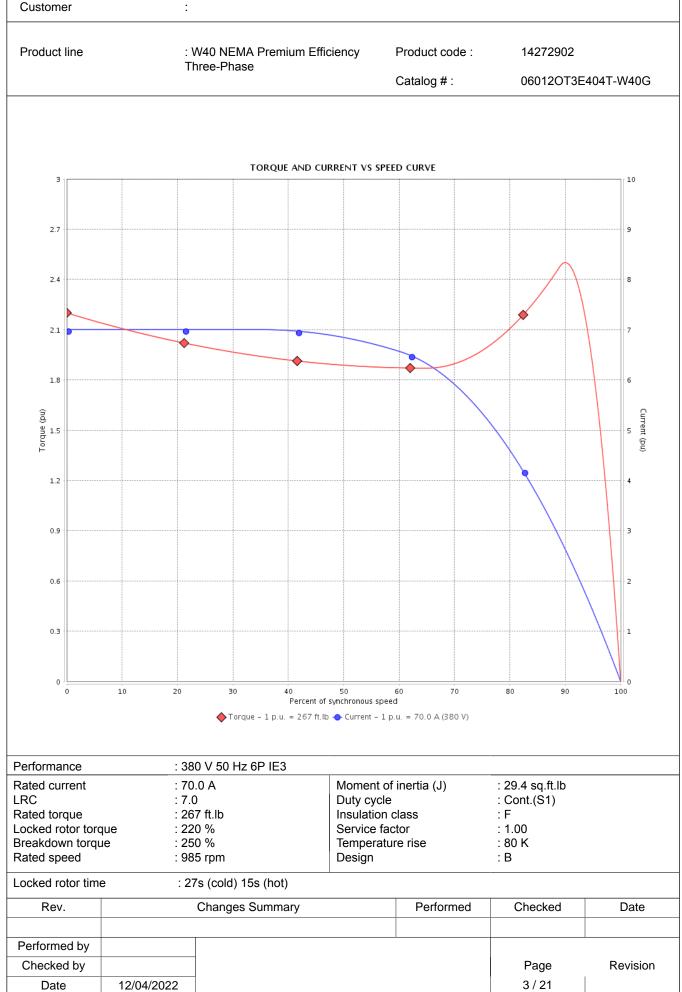
Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pi	y Product code :		14272902	
		Three-Phase		C	atalog # :	06012OT	3E404T-W40G	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 404/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling m Mounting Rotation ¹ Starting m Approx. w Moment c	nethod	: IC01 - C : F-1 : Both (C\ : Direct O : 975 lb : 29.4 sq.	W and CCW) n Line	
Output [HP]		60		50	5	0	50	
		6		6	5	-	<u> </u>	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
		141/70.3		70.0	67		65.6	
Rated current [A]		942/471		490	47			
. R. Amperes [A]							499	
_RC [A]	1	6.7x(Code G)	1.0	Dx(Code H)	7.1x(C		7.6x(Code J)	
No load current [A		50.0/25.0		24.8	26		28.3	
Rated speed [RPN	/I]	1185		985	98		985	
Slip [%]	-	1.25		1.50	1.5		1.50	
Rated torque [ft.lb]		266		267	26		267	
ocked rotor torqu		240		220	25		280	
Breakdown torque	[%]	250		250	29		310	
Service factor		1.25		1.00	1.0	00	1.00	
Temperature rise		80 K		80 K	80		80 K	
ocked rotor time		28s (cold) 16s (hot)	27s (o	cold) 15s (ho	ot) 30s (cold)	17s (hot) 2	8s (cold) 16s (hot)	
loise level ²		68.0 dB(A)						
	25%	91.4	92.9		92		92.9	
Efficiency (9/)	50%	91.7	93.0		93	.0	93.0	
Efficiency (%)	75%	94.5		93.4	93	.4	93.4	
	100%	94.5	93.4		93	.4	93.4	
	25%	0.48	0.48		0.4	14	0.42	
Dower Caster	50%	0.73		0.74	0.7	70	0.68	
Power Factor	75%	0.82		0.83	0.8	30	0.79	
	100%	0.85		0.86	0.8	35	0.84	
Bearing type Sealing		: 6316 C3 621 : Without W Bearing Seal Bear	6316 C36212 Z C3Max. tractionWithoutWithoutMax. compressionBearing SealBearing Seal		on .	: 1990 lb : 2966 lb		
Lubrication interv			000 h					
Lubricant amoun Lubricant type	ι	: 34 g 1 : Mobil Polyrex E	13 g FM					
Notes USABLE @208V	155A SF 1.1			<u> </u>				
must be eliminate (1) Looking the m	d. otor from the m and with t veight subjec ocess.	olerance of +3dB(A).	hich		average values ply, subject to th		with sinusoidal pulated in NEMA	
Rev.		Changes Summary	,		Performed	Checked	Date	
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Date	12/04/2022	2				1/21		
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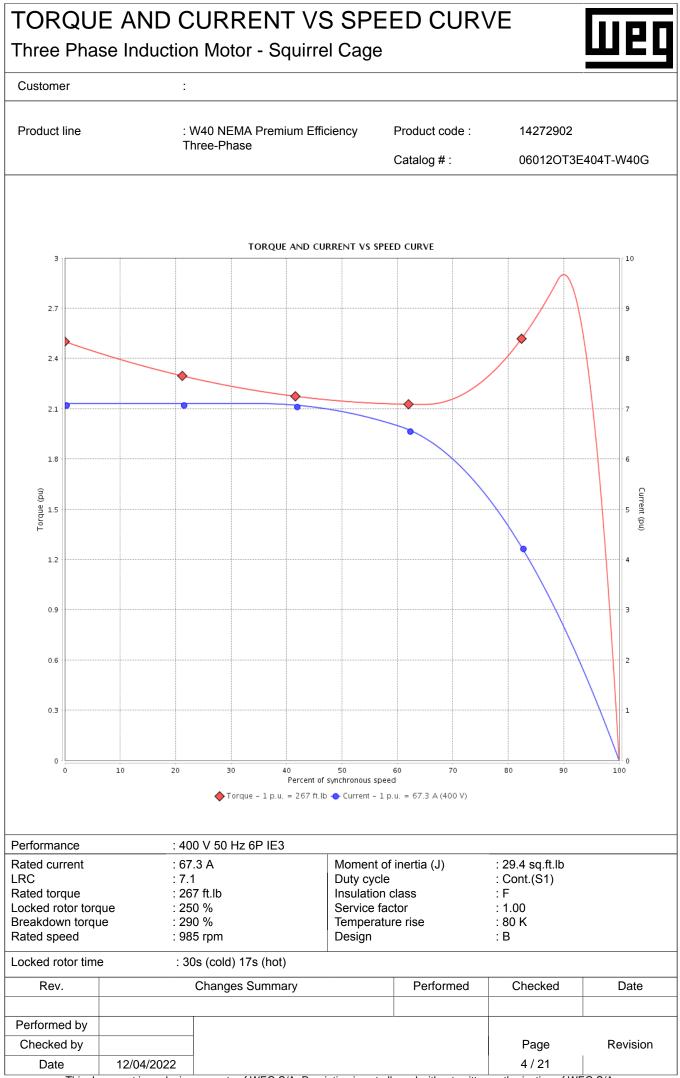
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



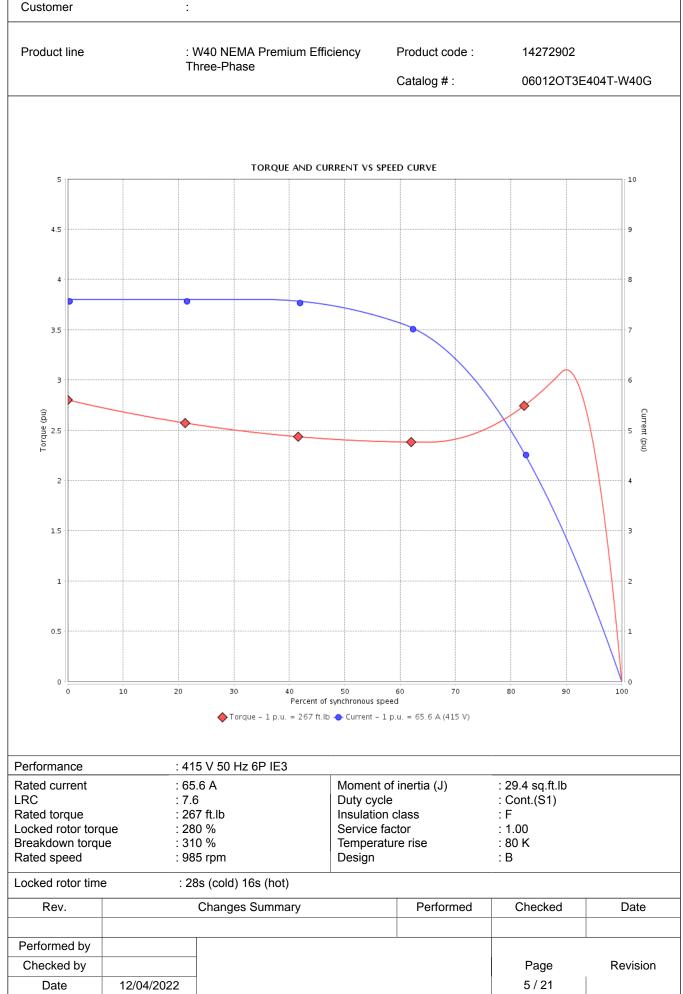
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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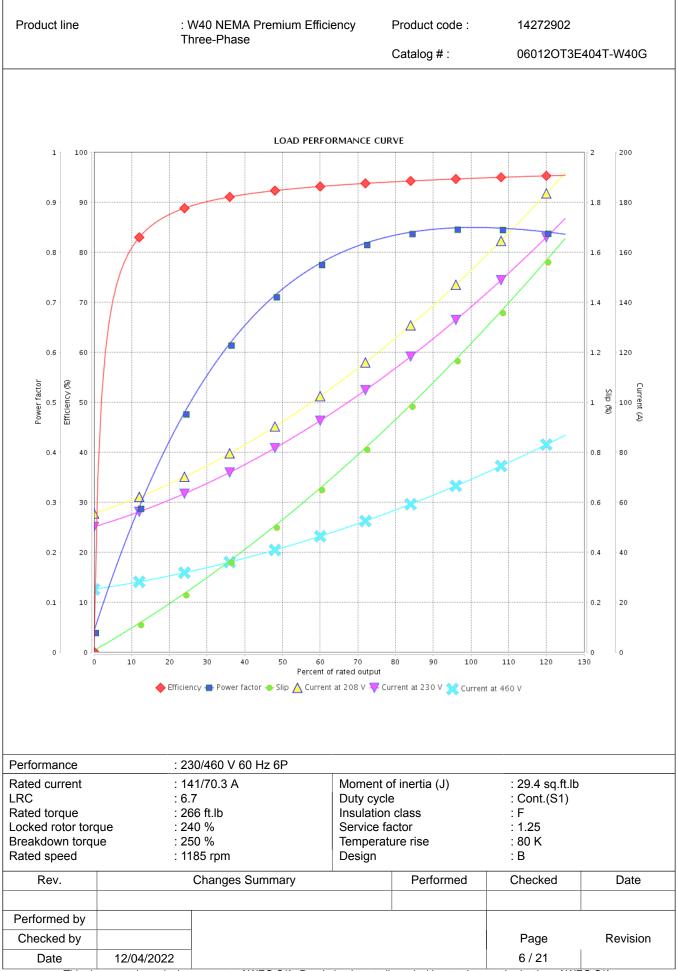
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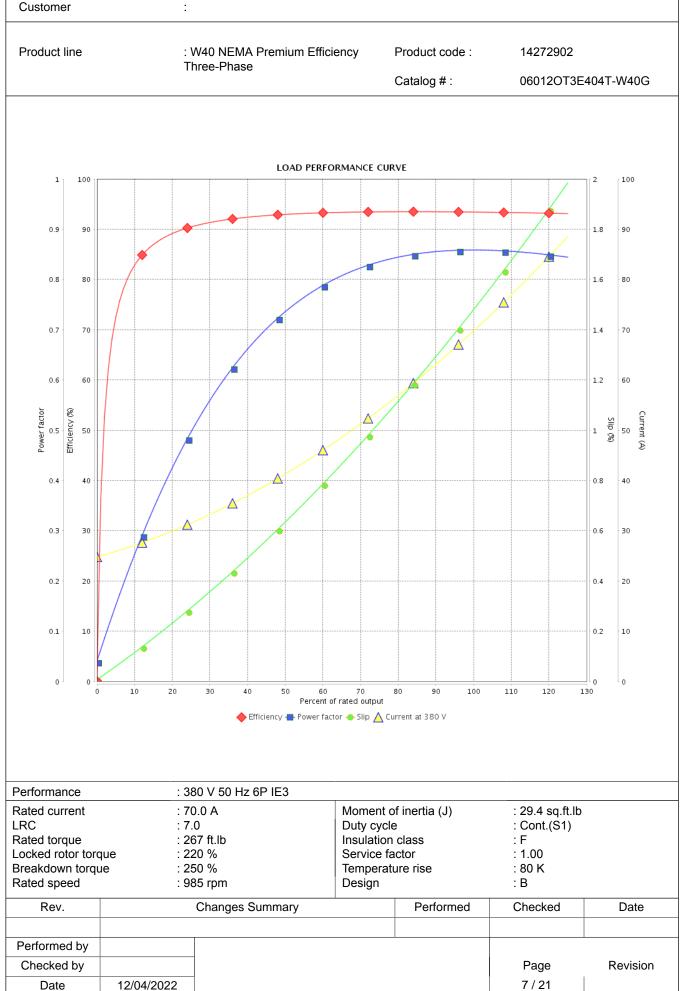


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Three Phase Induction Motor - Squirrel Cage

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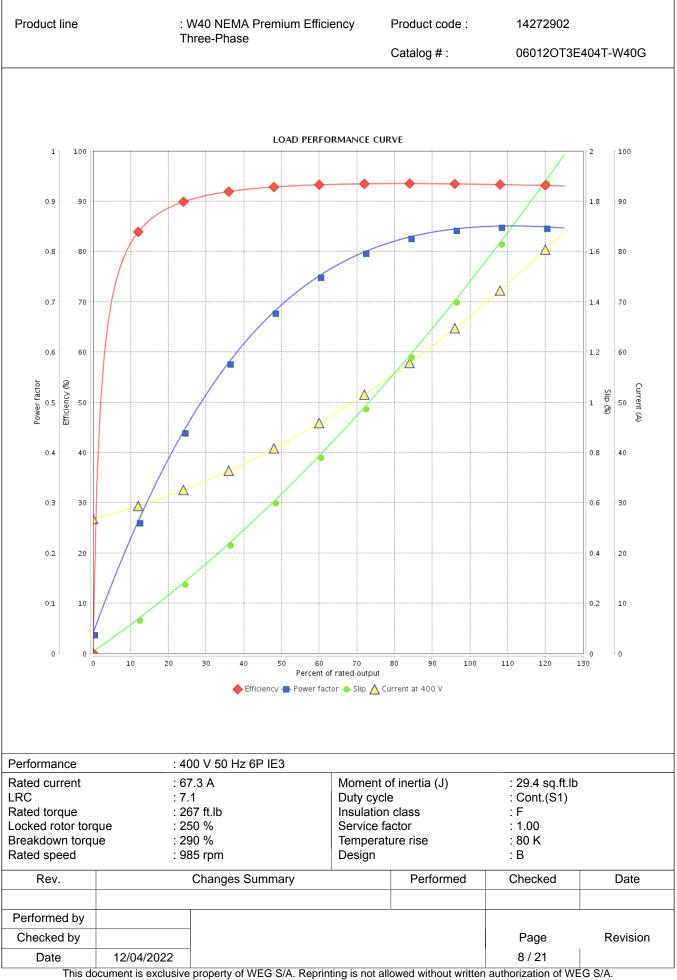
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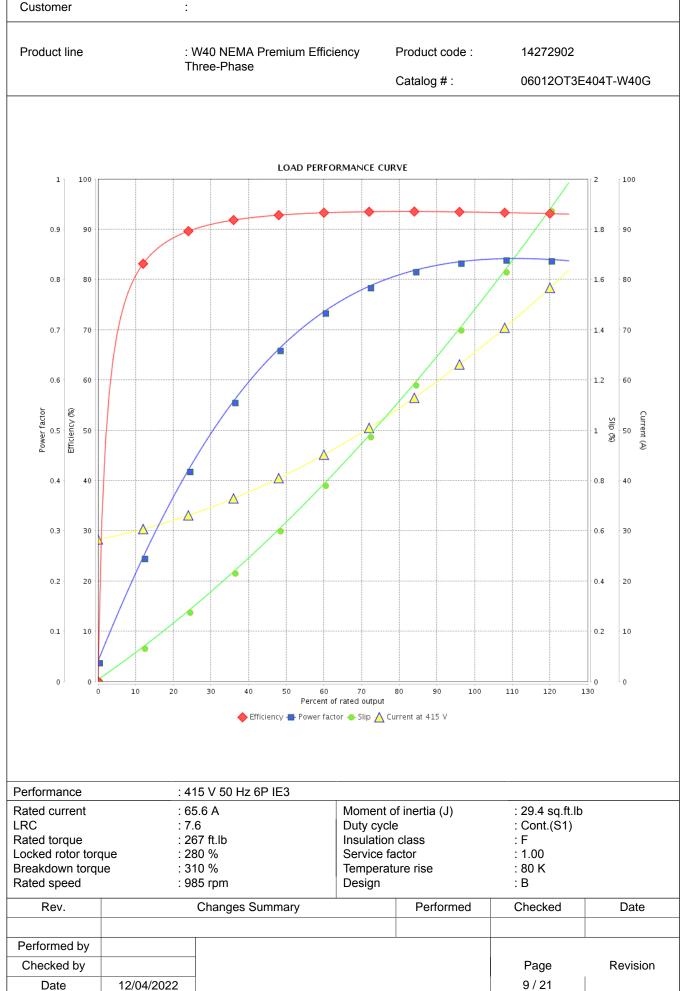


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THERMAL LIMIT CURVE

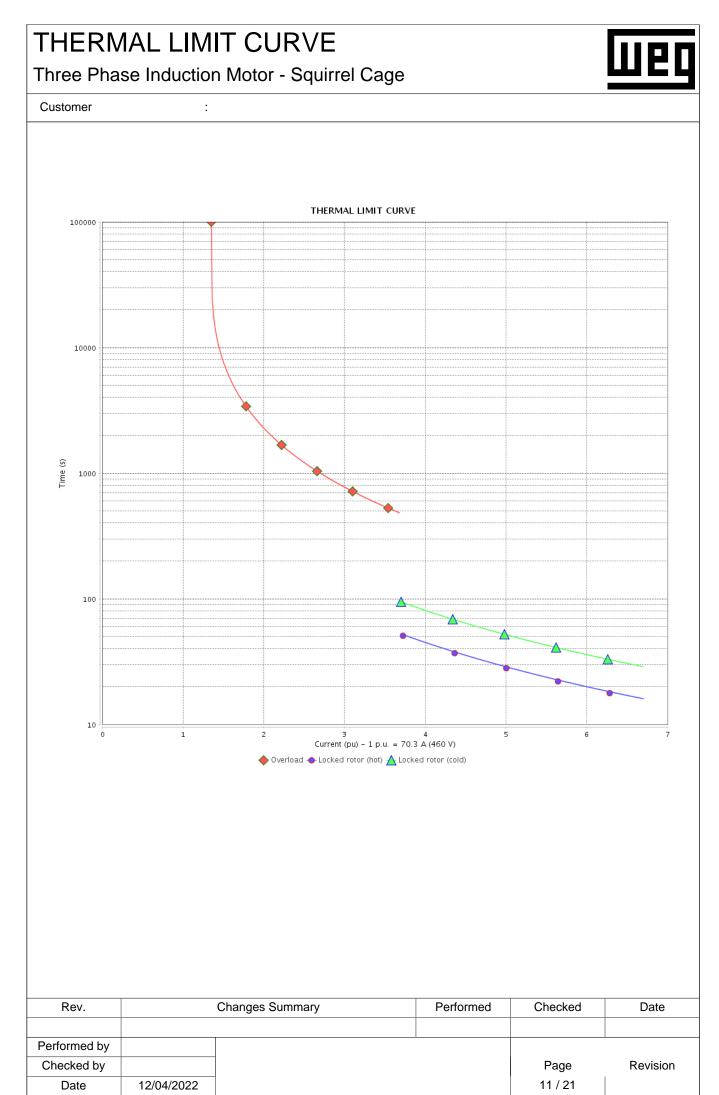
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272902	14272902		
				Catalog # :	06012OT3E4	04T-W40G		
Performance		230/460 V 60 Hz 6P						
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	ine : ;	141/70.3 A 6.7 266 ft.lb 240 % 250 % 1185 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 29.4 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
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Date	12/04/2022				10 / 21			



THERMAL LIMIT CURVE

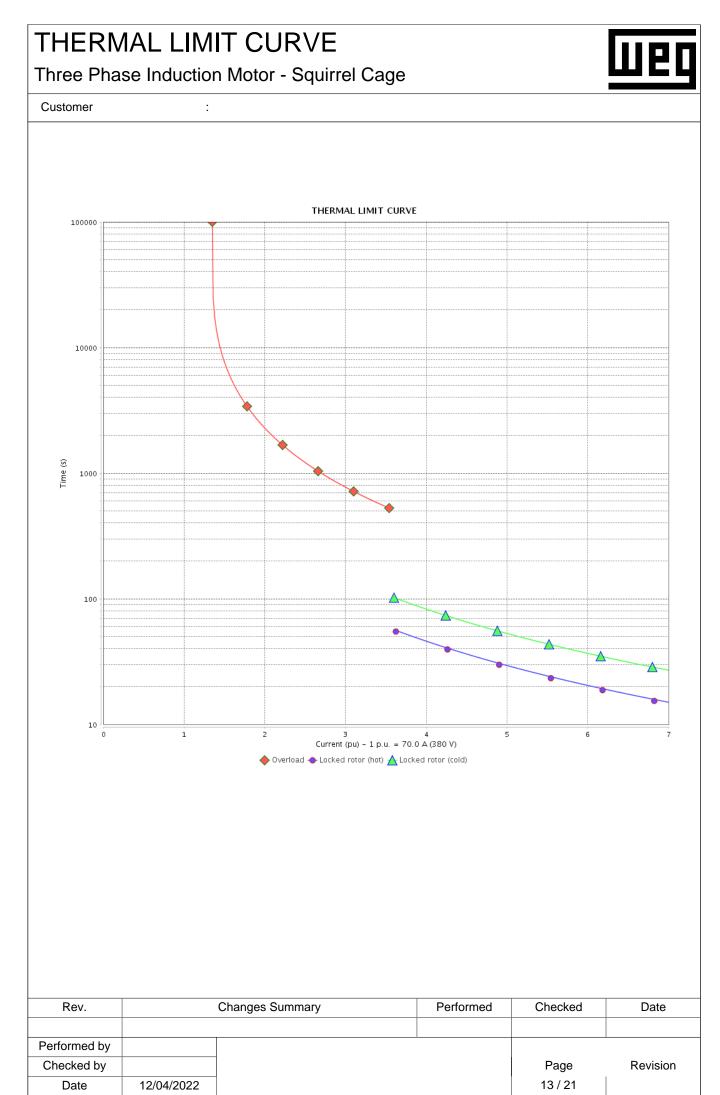
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272902	
				Catalog # :	06012OT3E4)4T-W40G
Performance		80 V 50 Hz 6P IE3				
LRC Rated torque Locked rotor torque Breakdown torque		0.0 A .0 67 ft.lb 20 % 50 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 29.4 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant		Observes 2				
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THERMAL LIMIT CURVE

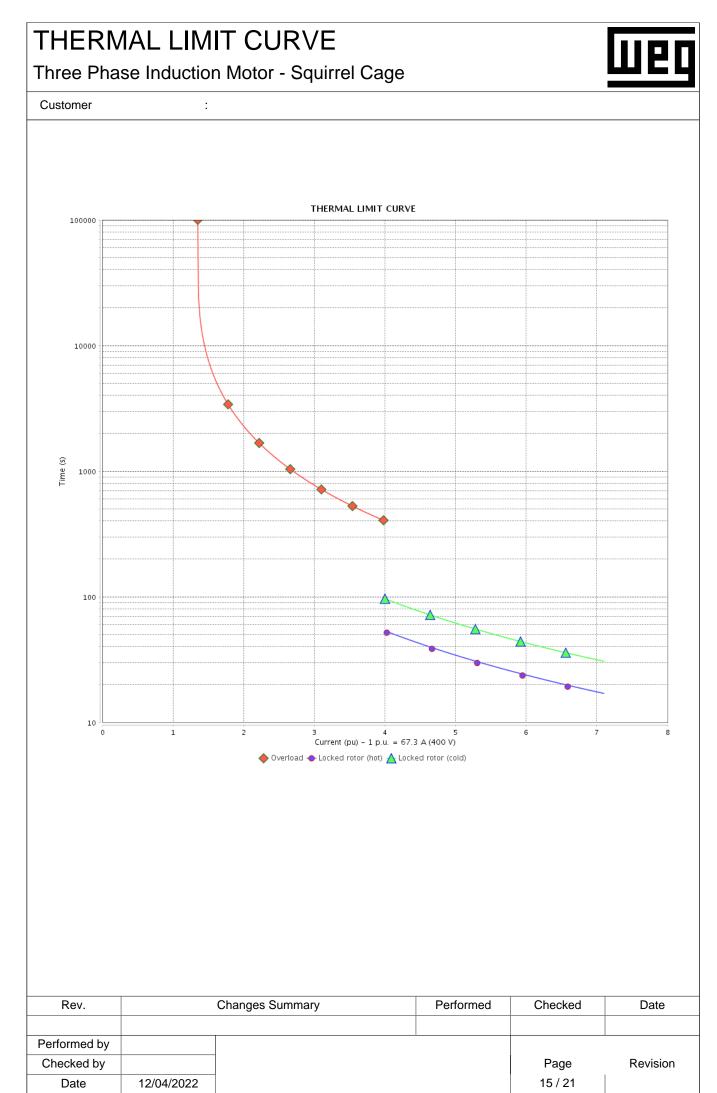
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272902	14272902	
				Catalog # :	06012OT3E4	06012OT3E404T-W40G	
Performance		00 V 50 Hz 6P IE3					
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 2 ue : 2 e : 2	7.3 A .1 67 ft.lb 50 % 90 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 29.4 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant							
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THERMAL LIMIT CURVE

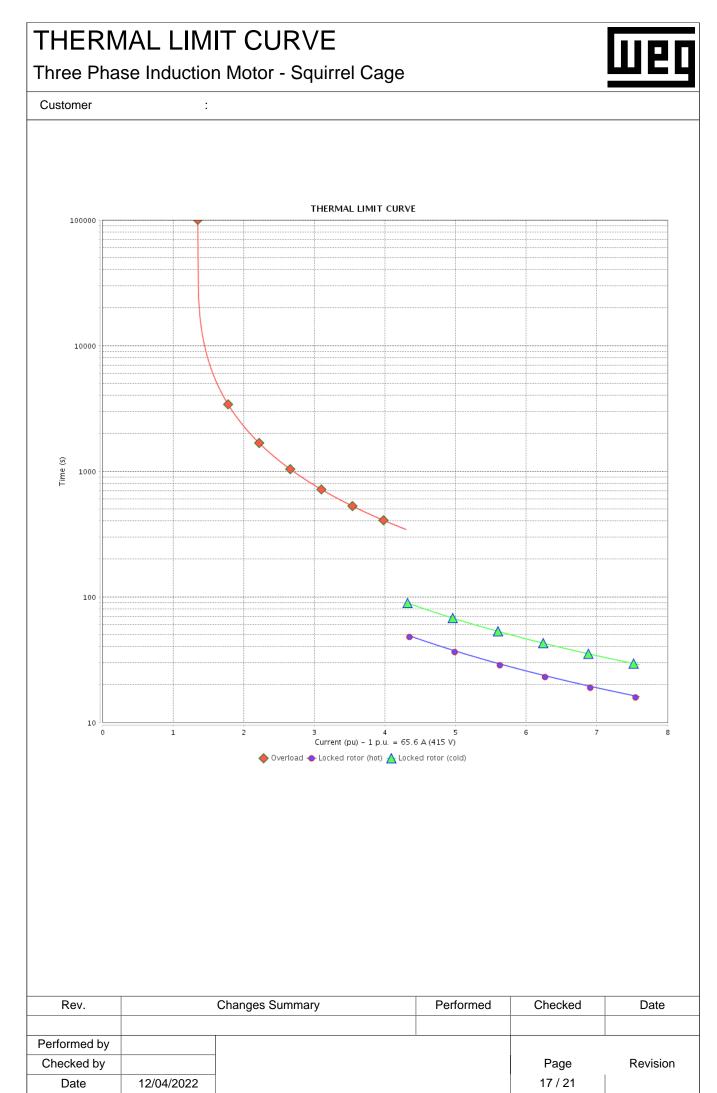
Three Phase Induction Motor - Squirrel Cage

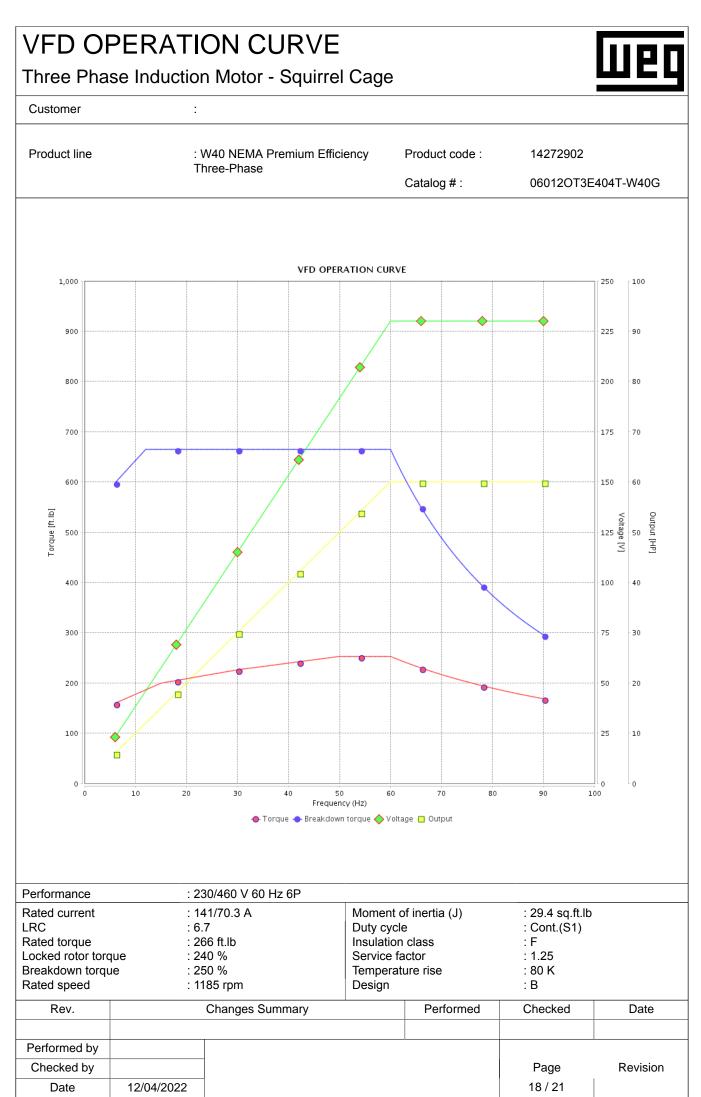
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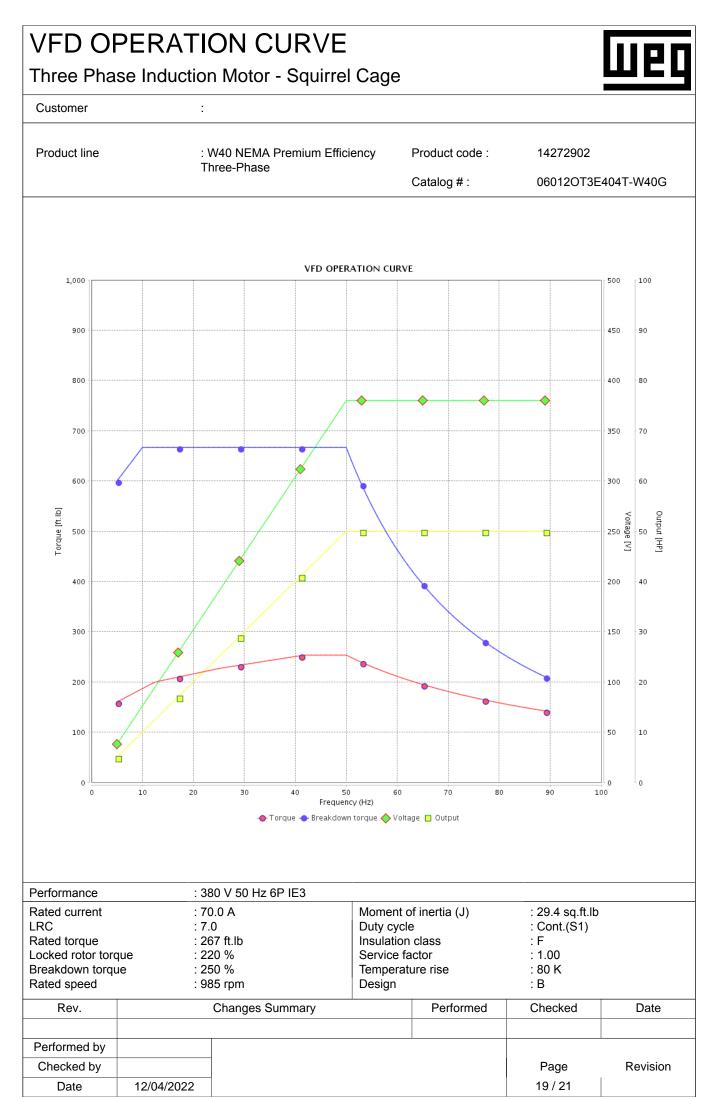


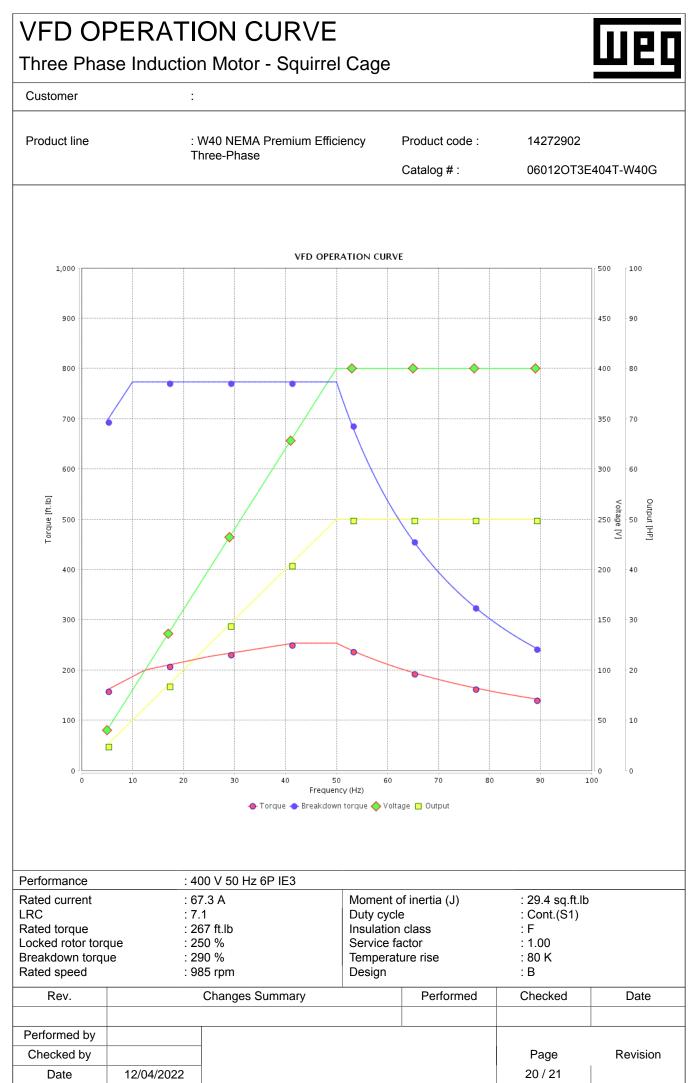
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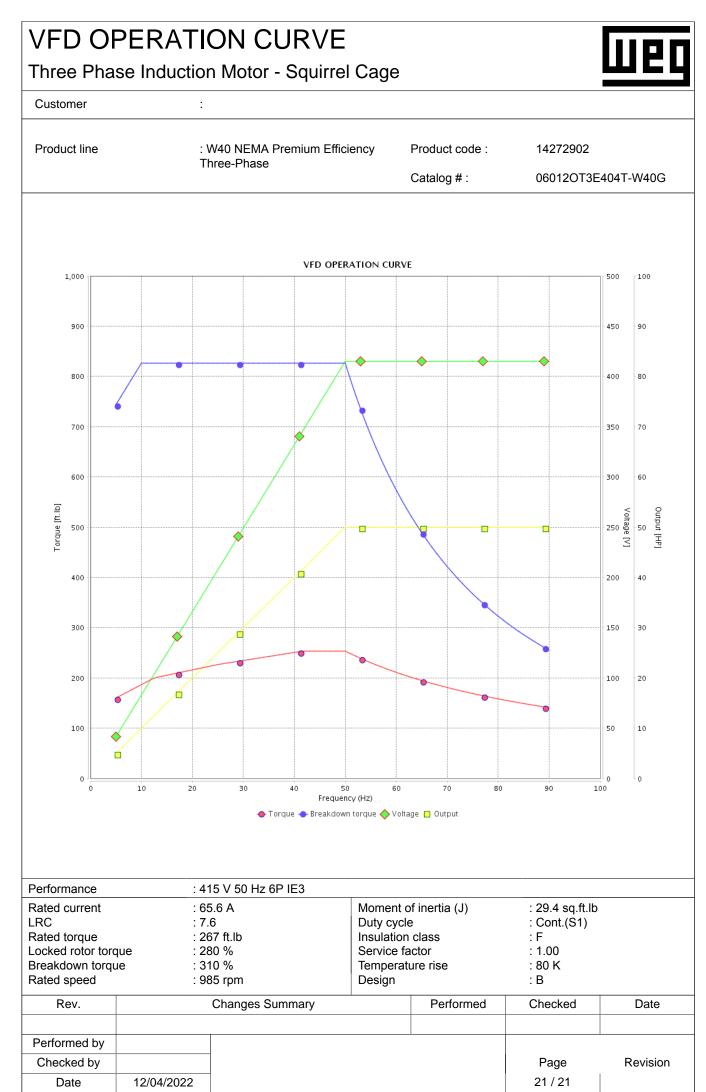
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272902	
				Catalog # :	06012OT3E40)4T-W40G
Performance		15 V 50 Hz 6P IE3				
LRC Rated torque Locked rotor torque Breakdown torque		5.6 AMoment6Duty cyo67 ft.lbInsulatio80 %Service10 %Tempera85 rpmDesign		class ctor	: 29.4 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant		Changes Summer		Dorforms!	Checked	Data
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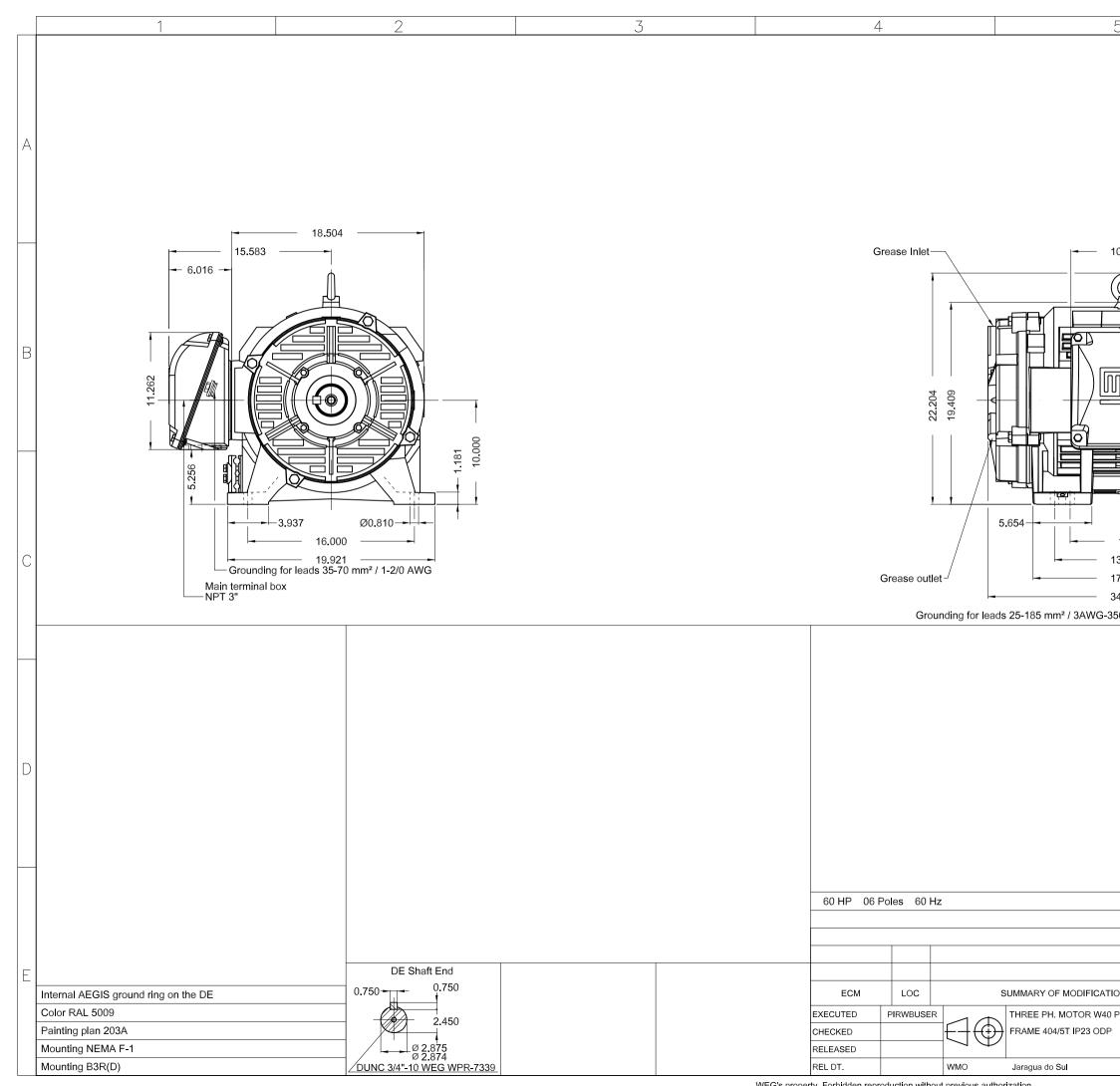












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