DATA SHEET

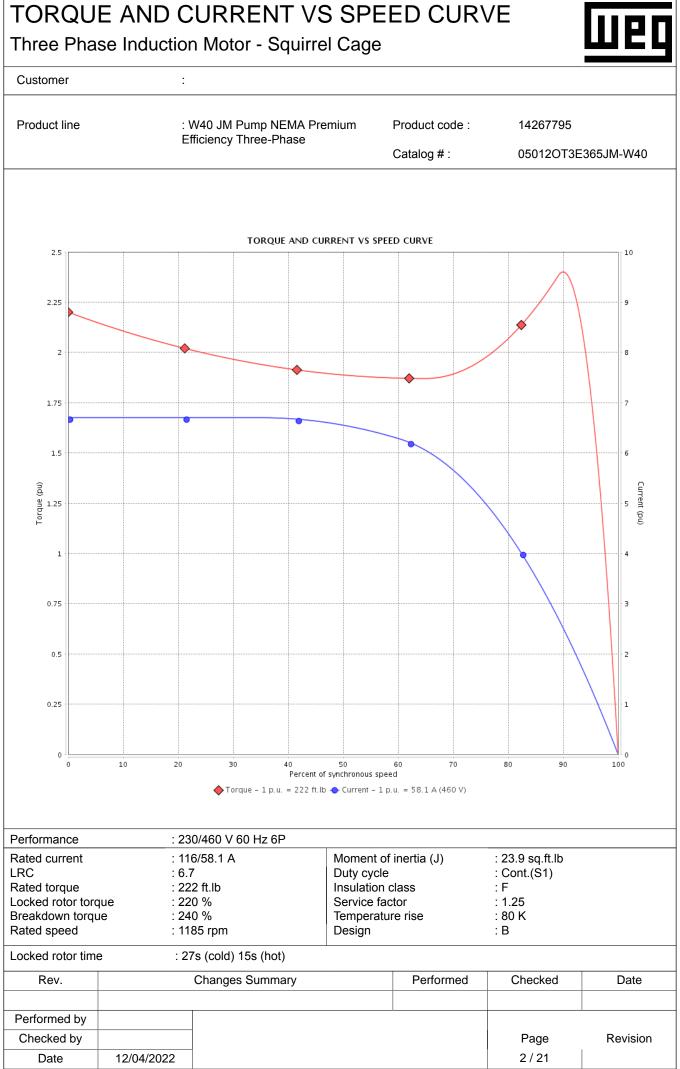
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		ium Pr	Product code :		14267795	
				Ca	atalog # :	05012OT	3E365JM-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 364/5JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: F-1 : Both (C : Direct C : 820 lb	: Both (CW and CCW) : Direct On Line	
Design		: B						
Dutput [HP]		50		40	4	0	40	
Poles		6		6	6		6	
requency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		116/58.1		57.1	54		53.5	
R. Amperes [A]		779/389		400	39		412	
RC [A]		6.7x(Code G)	7.0	Dx(Code H)	7.2x(C	ode H)	7.7x(Code J)	
lo load current [A]	40.8/20.4		20.2	21	.7	23.0	
Rated speed [RPN	Л]	1185		985	98	35	985	
Slip [%]		1.25		1.50	1.		1.50	
Rated torque [ft.lb	1	222		213	21		213	
ocked rotor torqu		220		200	22		250	
Breakdown torque		240		240	27		290	
Service factor	L/ TJ	1.25		1.00	1.0		1.00	
emperature rise		80 K			80		80 K	
Locked rotor time		27s (cold) 15s (hot)	80 K 25s (cold) 14s (h				25s (cold) 14s (hot)	
loise level ²		68.0 dB(A)		,				
	25%	93.5		92.4	92	.4	92.4	
	50%	93.6	92.5		92		92.5	
Efficiency (%)	75%	94.1	92.9		92		92.9	
	100%	94.1	92.9		92		92.9	
	25%	0.48		0.48	0.4		0.42	
	25% 50%	0.40	0.48		0.4		0.68	
Power Factor	75%	0.82		0.74	0.0		0.79	
	100%	0.85		0.85	0.0		0.79	
Deering to the	100%	Drive end Non dr	ive end	Foundation	loads		0.04	
Bearing type Sealing Lubrication interv Lubricant amour		: Without Wi Bearing Seal Beari : 20000 h 20	2 Z C3 ithout ing Seal 000 h I3 g	Max. tractio Max. comp		: 1709 lb : 2529 lb		
Lubricant type Notes USABLE @208V	128A SF 1.1		_1VI					
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro-	ed. lotor from the Im and with to weight subject ocess.	icel the previous one, where shaft end. I shaft end. I olerance of +3dB(A). It to changes after	hich		•		with sinusoidal ipulated in NEMA	
(4) At 100% of ful		Changes Summary			Performed	Checked	Date	
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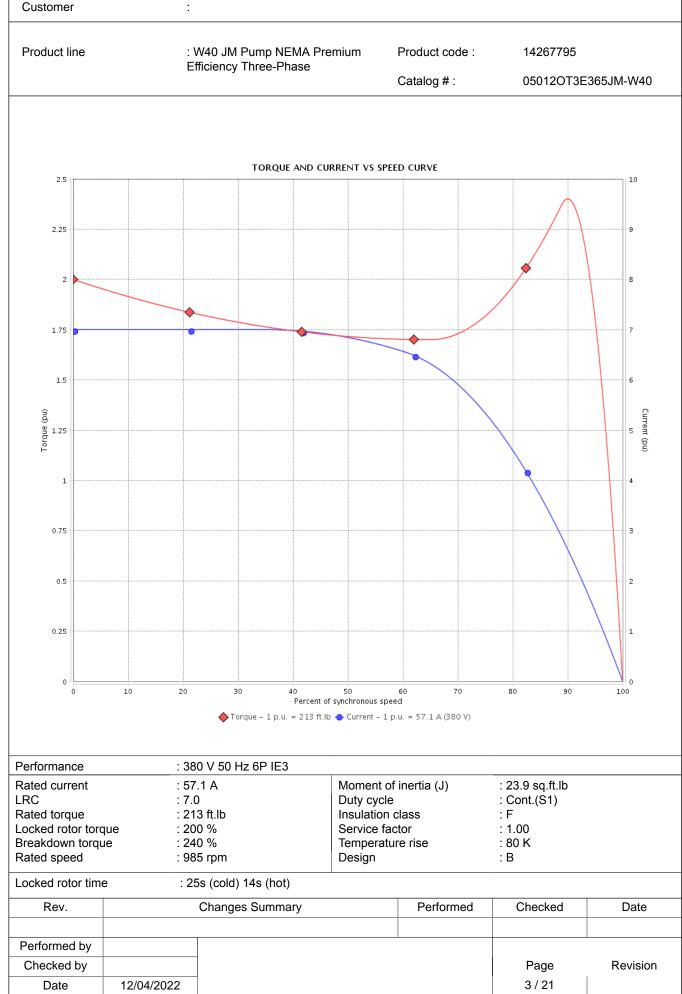


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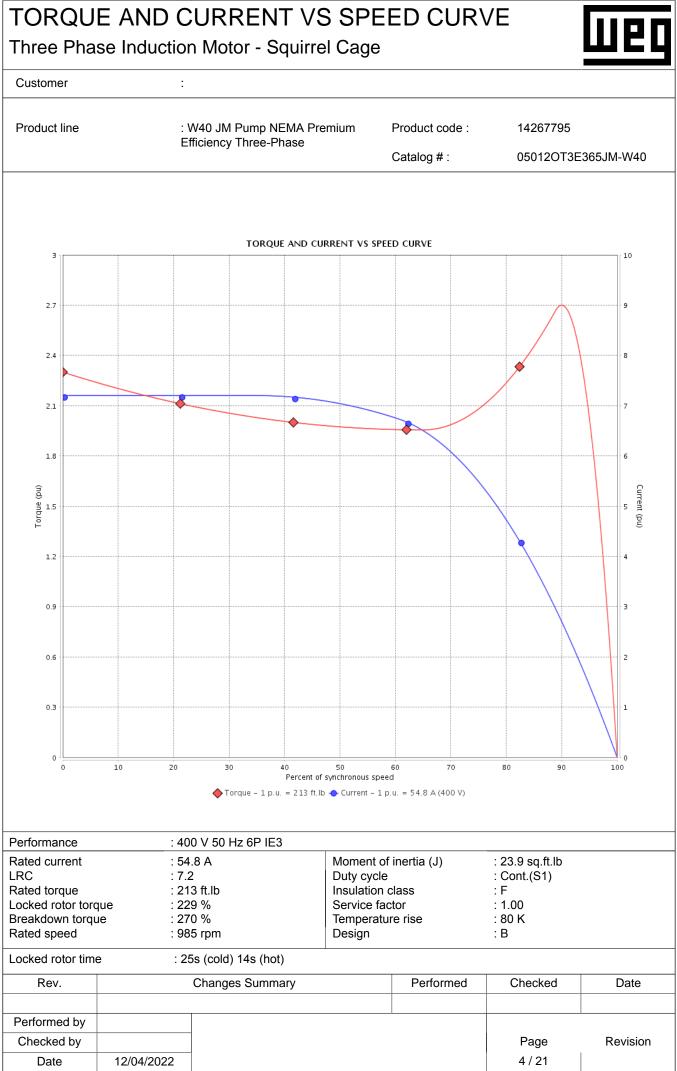
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



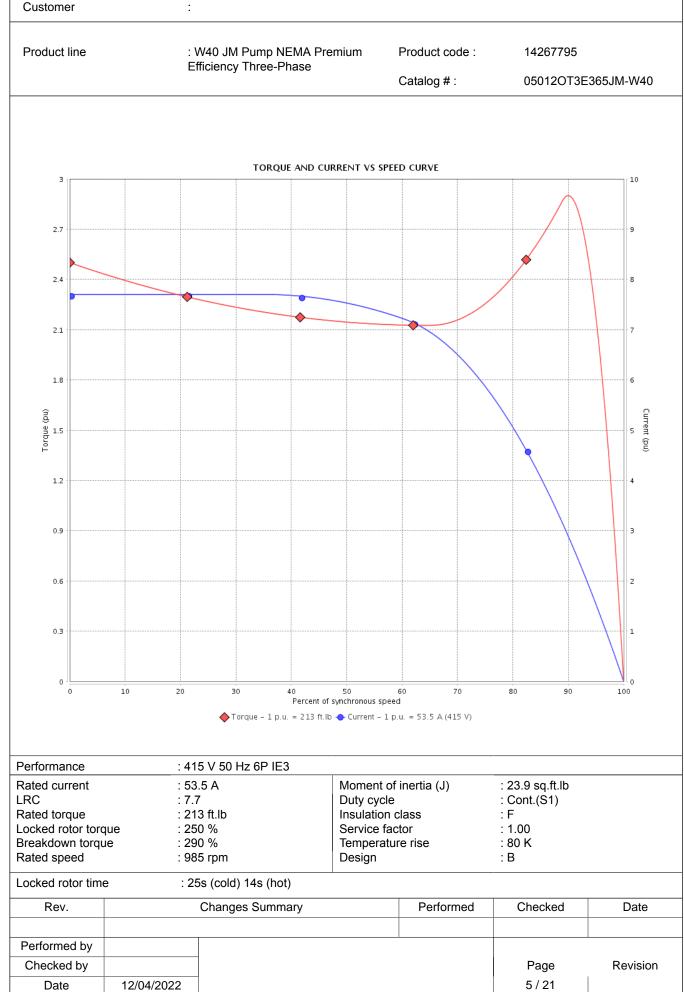
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



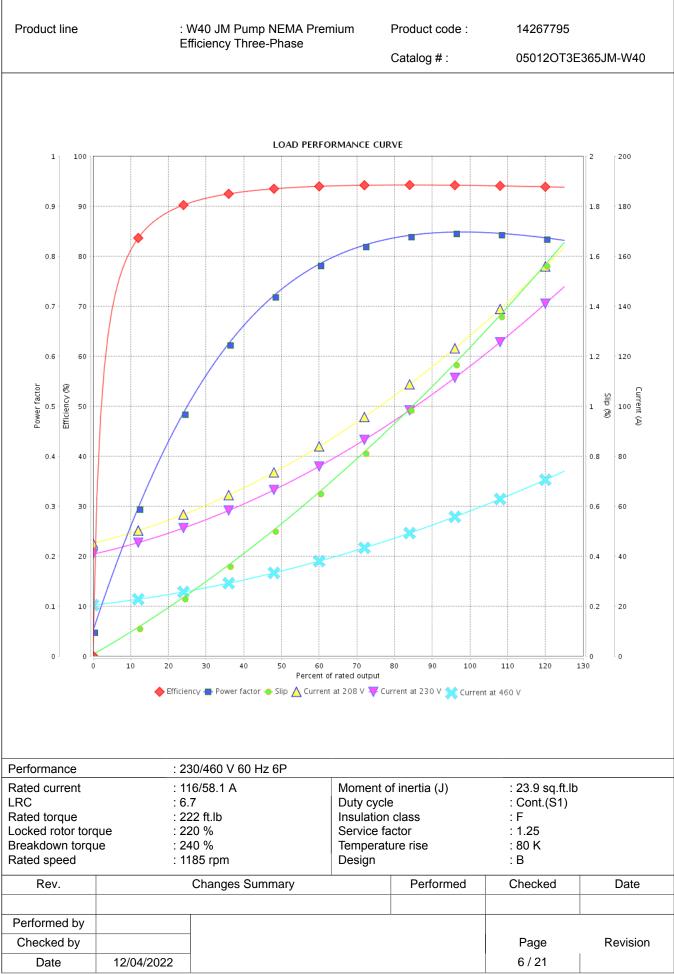
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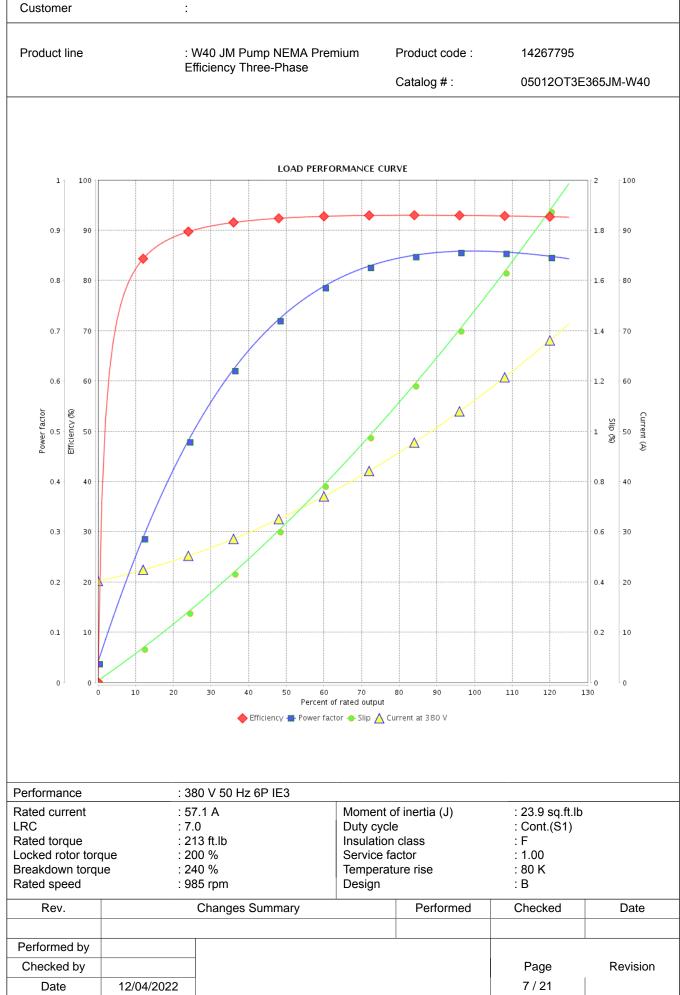


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



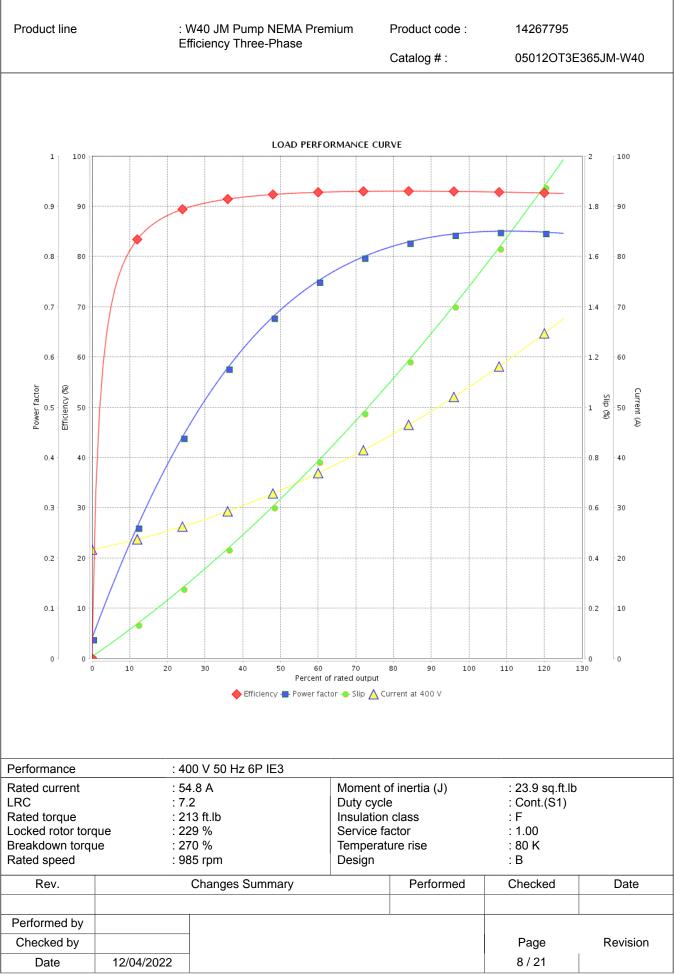
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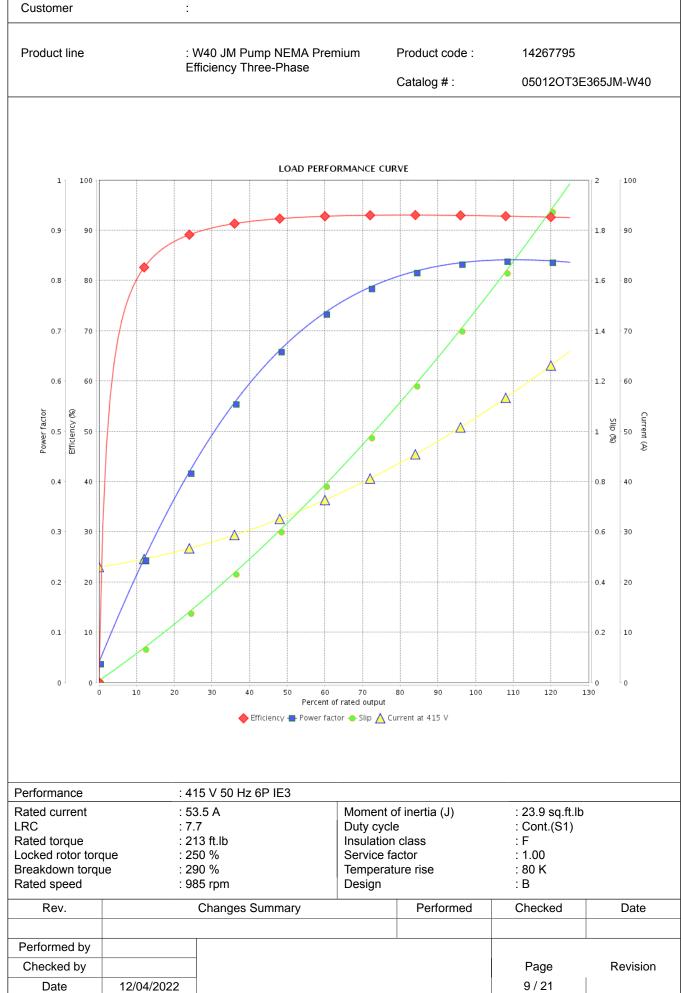


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



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THERMAL LIMIT CURVE

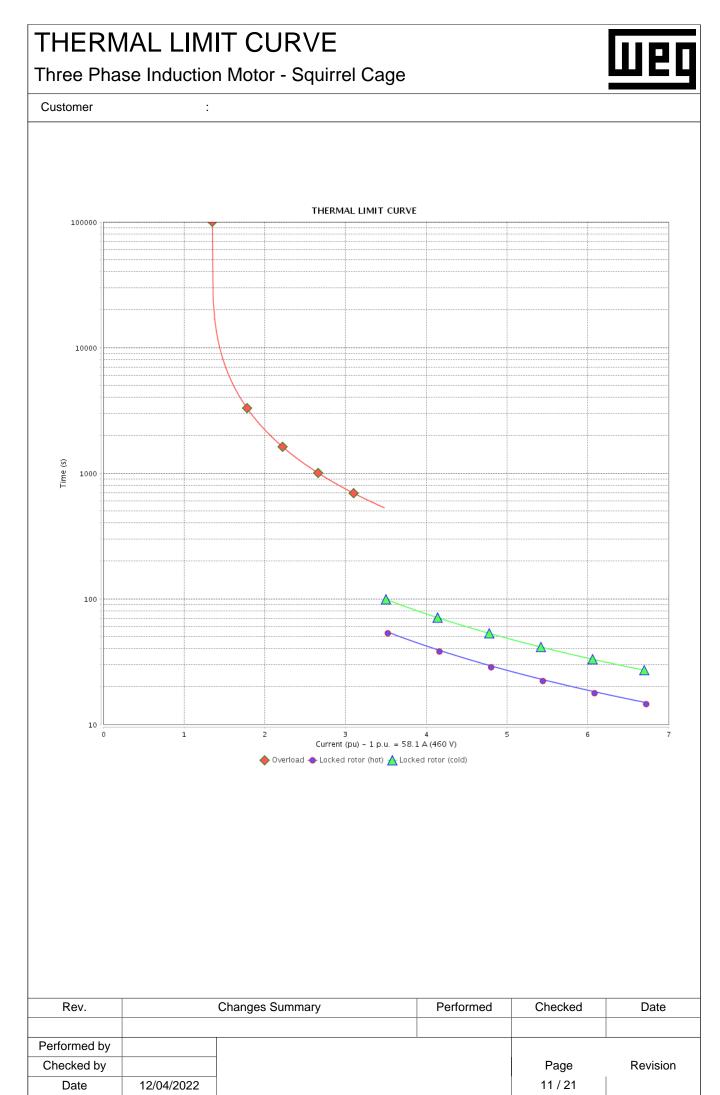
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14267795	
				Catalog # :	05012OT3E3	65JM-W40
Performance	: 2	30/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		16/58.1 A .7 22 ft.lb 20 % 40 % 185 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constan						
Cooling constant						
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

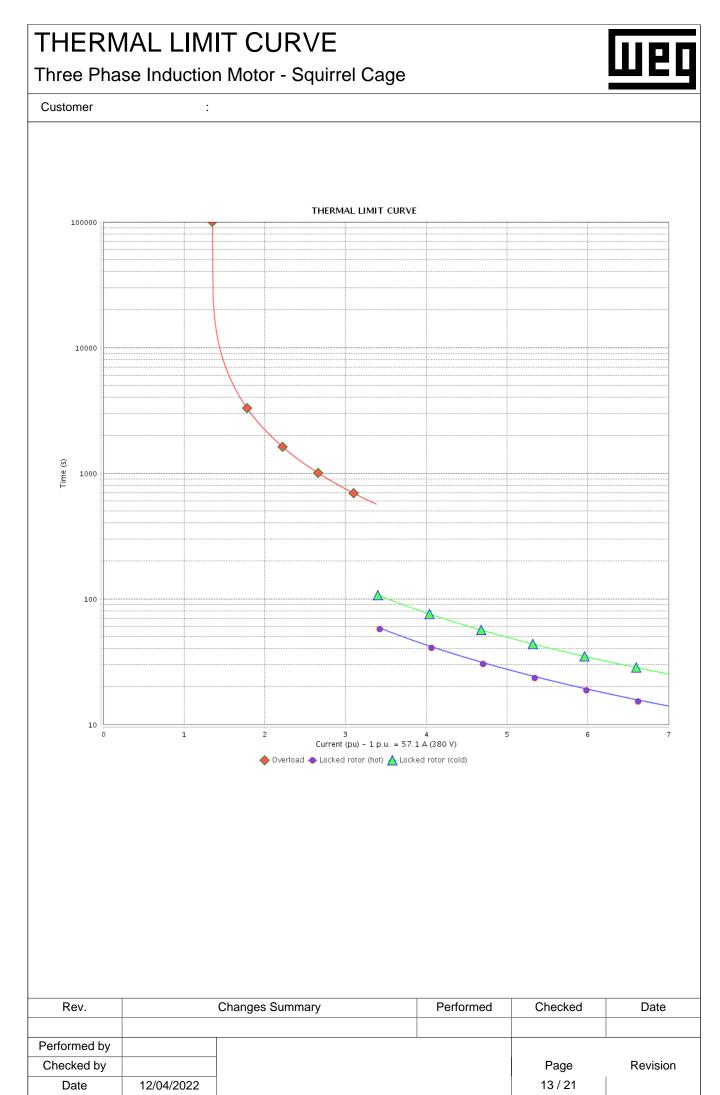
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Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14267795	14267795		
	E	inciency milee-Phase	(Catalog # :	05012OT3E36	65JM-W40		
Performance	: 3	80 V 50 Hz 6P IE3						
Rated current LRC Rated torque Locked rotor torque Breakdown torque				class ctor	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant								
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
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Checked by		-			Page	Revision		
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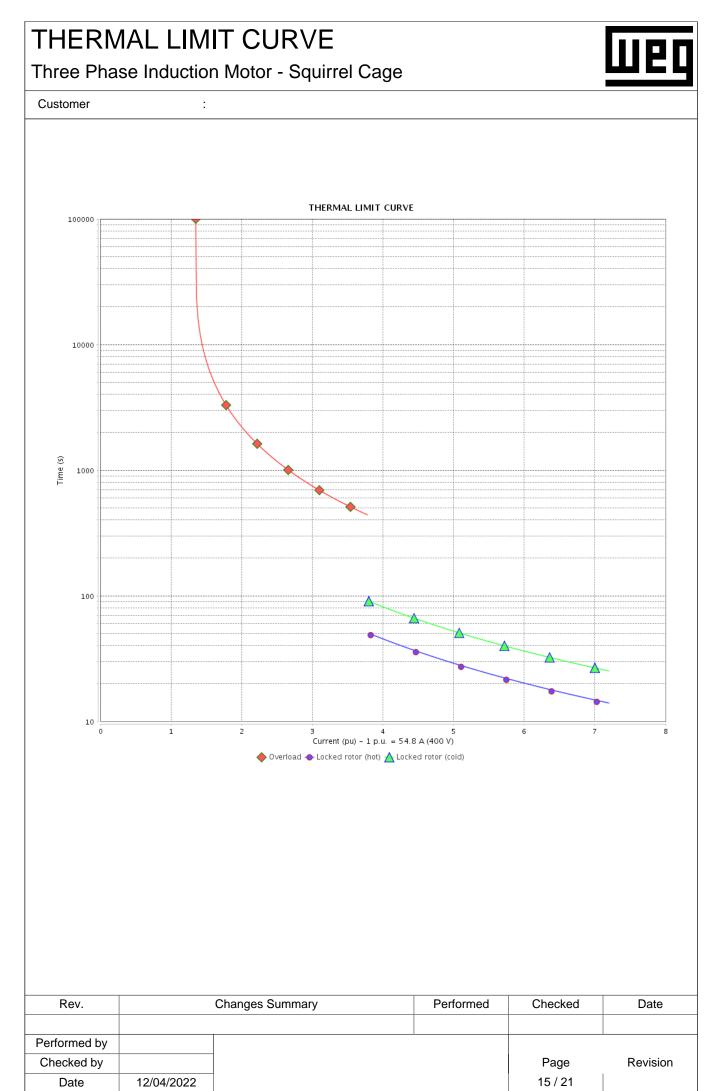
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Customer

Product line		: W40 JM Pump NEMA Premium		Product code :	14267795		
	E	fficiency Three-Phase	(Catalog # :	05012OT3E36	65JM-W40	
Performance		00 V 50 Hz 6P IE3					
Rated current LRC	: 5 : 7	64.8 A	Moment of Duty cycle		: 23.9 sq.ft.lb : Cont.(S1)		
Rated torque	: 2	: 213 ft.lb Insulat		class	: F		
Locked rotor toro		: 229 % Service 1			: 1.00		
Breakdown torqu Rated speed		70 % Temperature rise 35 rpm Design		ire rise	: 80 K : B		
		•					
Heating constant Cooling constant							
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

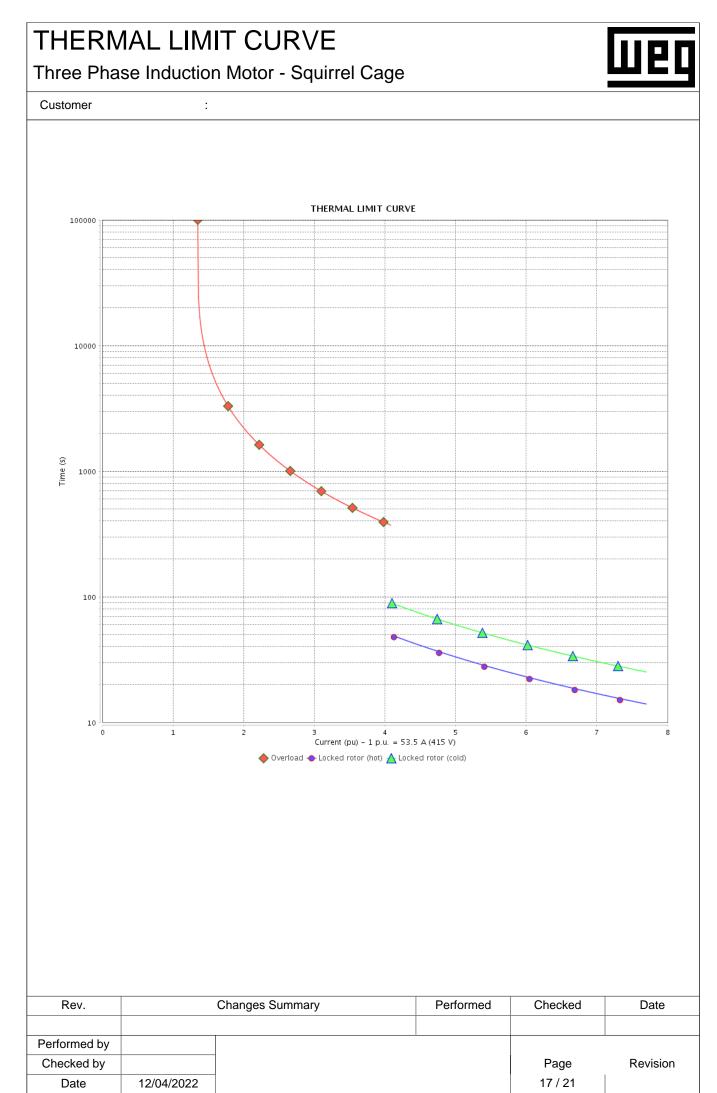
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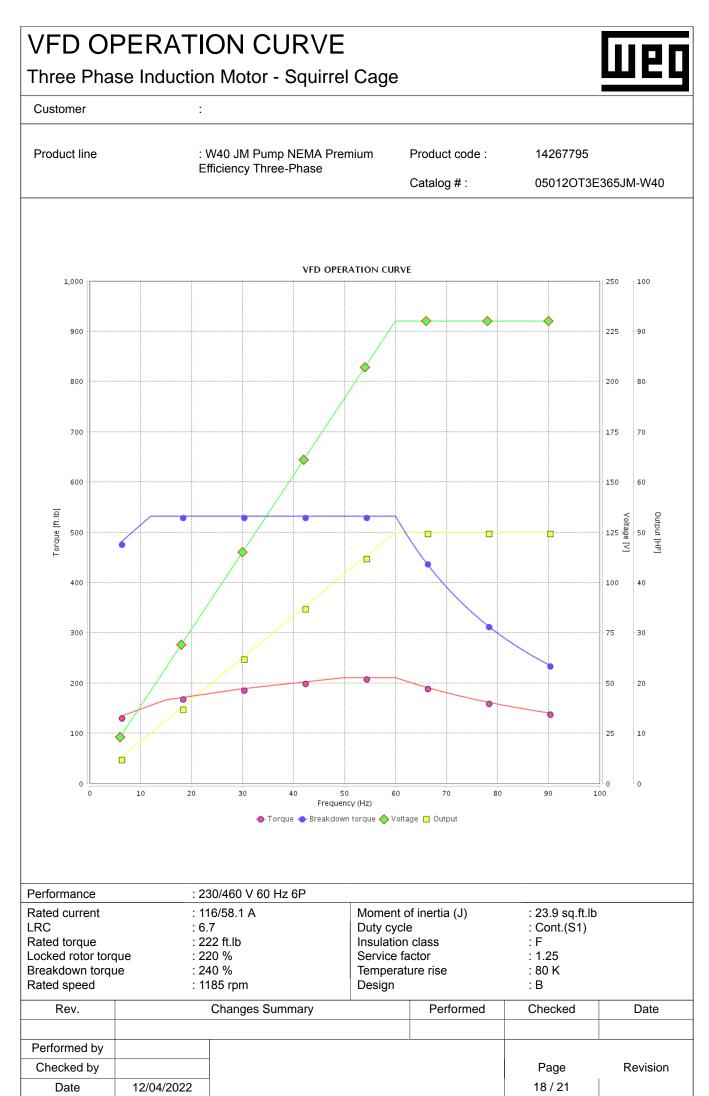


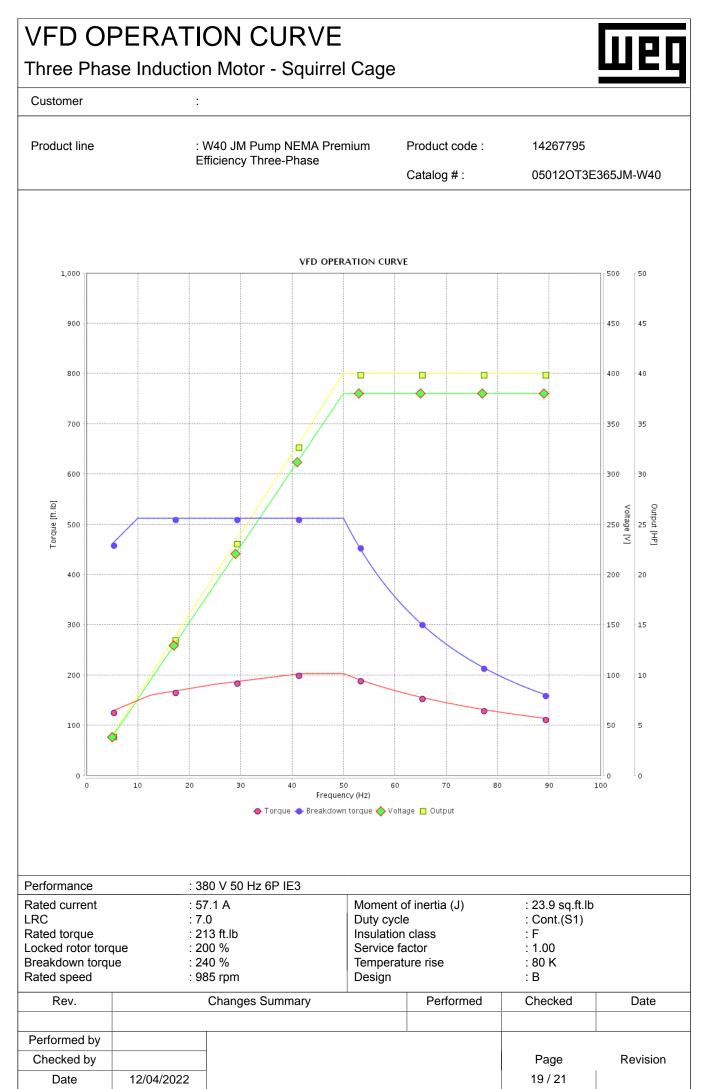
Customer

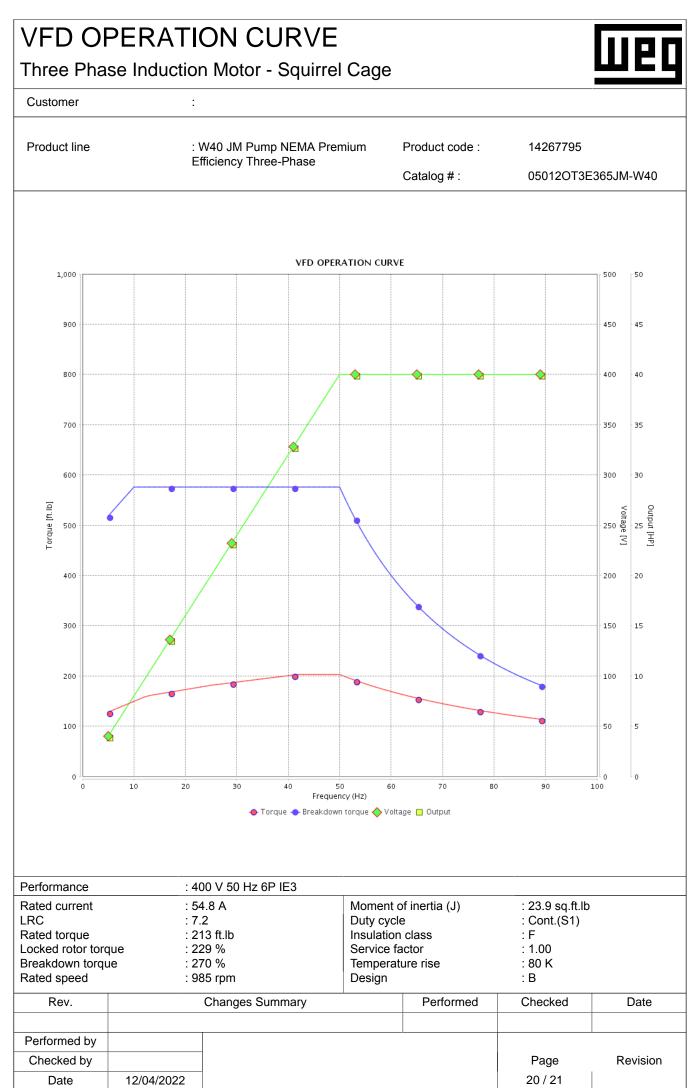
Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14267795		
	E	inciency milee-Filase	(Catalog # :	05012OT3E36	65JM-W40	
Performance		15 V 50 Hz 6P IE3	NA	6 • • • • • • • • • • •			
Rated current LRC Rated torque		: 7.7 [: 213 ft.lb]		class	: 23.9 sq.ft.lb : Cont.(S1) : F		
Locked rotor toro Breakdown torqu Rated speed	ie : 29	50 % 90 % 85 rpm	Service far Temperatu Design		: 1.00 : 80 K : B		
Heating constant	t						
Cooling constant							
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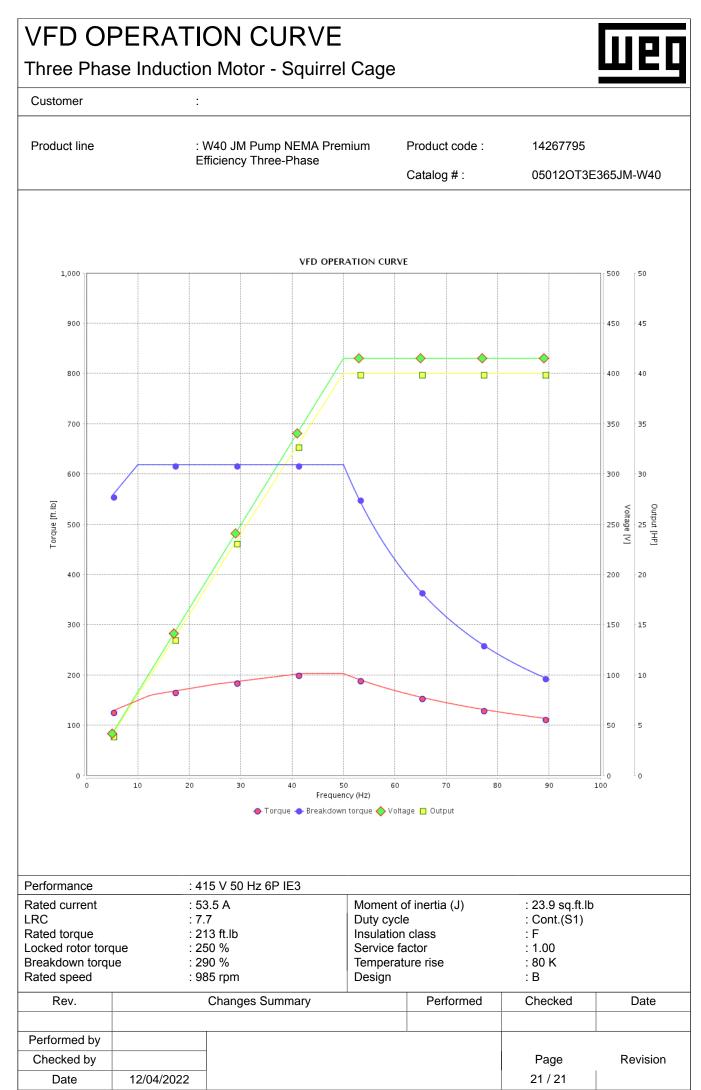
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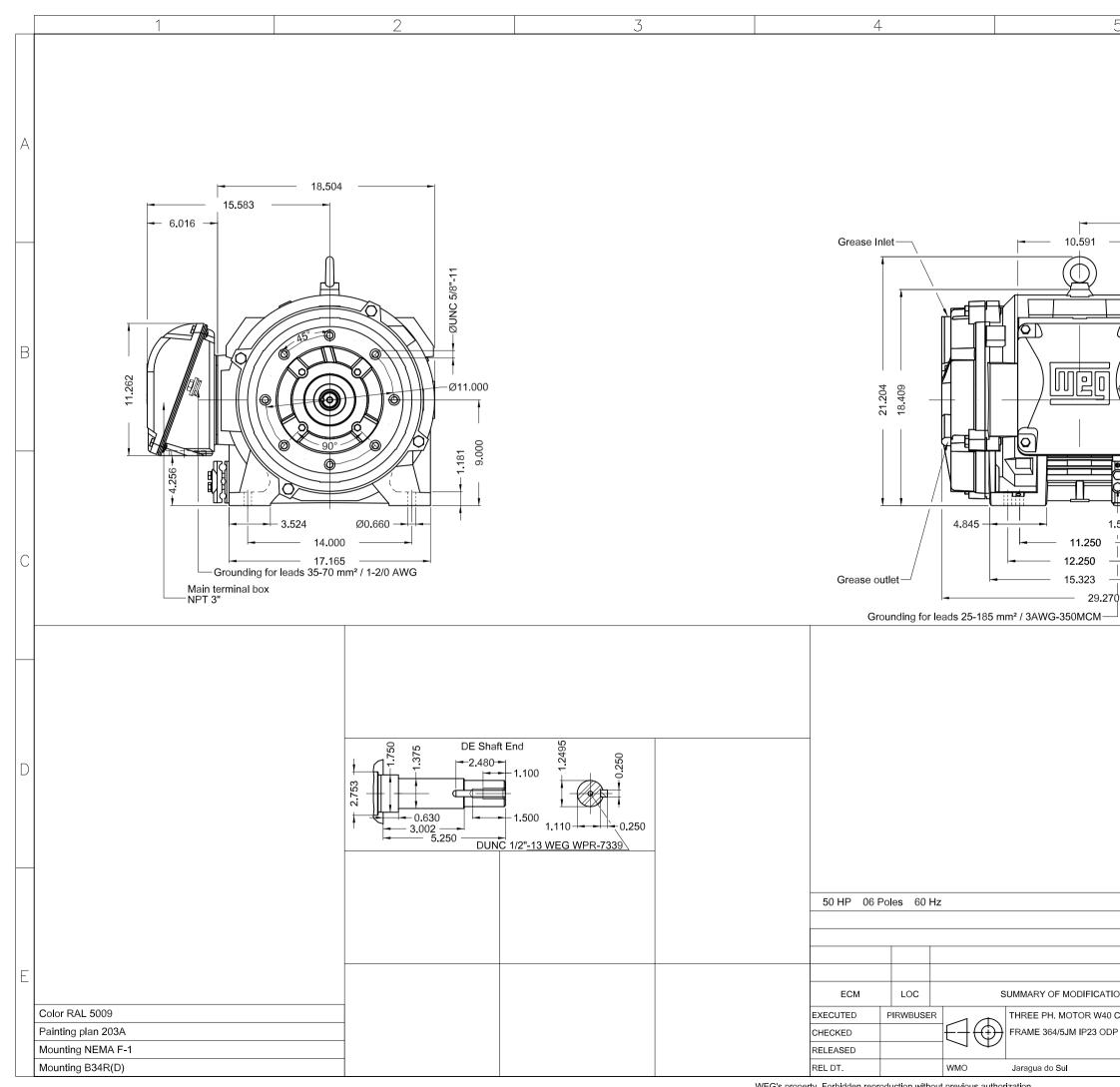












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		-Grease Inlet	9 9			Dimensions in inches
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		CHECKED	RELEASED	DATE	VER	
CLOSE COUPLED P	UMP JM TYPE F	™PREVI	EW			~
		WDD		ШΡ		A3
Product	Engineering S	SHEET	1 / 1			XME
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