DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Product line	: Sta	andard Eff	iciency Three-	Phase	Product code : Catalog # :	14593683 .5018ES3E	BMW56CFL-S
Frame		: W5	6C		Locked rotor time	: 28s (cold) 16s (hot)
Output		: 0.5	HP (0.37 kW)		Temperature rise	: 80 K	
Poles		: 4			Duty cycle	: Cont.(S1)	
Frequency		: 60 I			Ambient temperature	: -20°C to	+40°C
Rated voltage			-230/460 V		Altitude	: 1000 m.a	.s.l.
Rated current		: 1.98	3-1.79/0.896 A		Protection degree	: IP55	
L. R. Amperes			9-10.8/5.38 A		Cooling method	: IC411 - T	EFC
LRC			(Code K)		Mounting	: F-1	
No load current			0-1.40/0.698 A	ι.	Rotation ¹		/ and CCW)
Rated speed			0 rpm		Noise level ²	: 50.0 dB(A	
Slip		: 3.89			Starting method	: Direct On	Line
Rated torque			2 ft.lb		Approx. weight ³	: 25.3 lb	
Locked rotor tor		: 260					
Breakdown torq	ue	: 280	%				
Insulation class		: F	_				
Service factor		: 1.15					
Moment of inert	ıa (J)	: 0.03	399 sq.ft.lb				
Output	25%	50%		100%	Foundation loads		
Efficiency (%)	60.0	62.0		72.0	Max. traction	: 32 lb	
Power Factor	0.27	0.49	0.62 0).72	Max. compression	: 58 lb	
			Drive er	nd	Non drive en	<u>d</u>	
Bearing type		:	6203 2	ZZ	6202 ZZ		
Sealing		:	V'Rin	ig	Without Bearing	g Seal	
Lubrication inter	rval	:	-		-		
Lubricant amou	nt	:	-		-		
Lubricant type							
Notes	/ SF 1.00			Mc	bil Polyrex EM		
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Customer

: Automation Direct

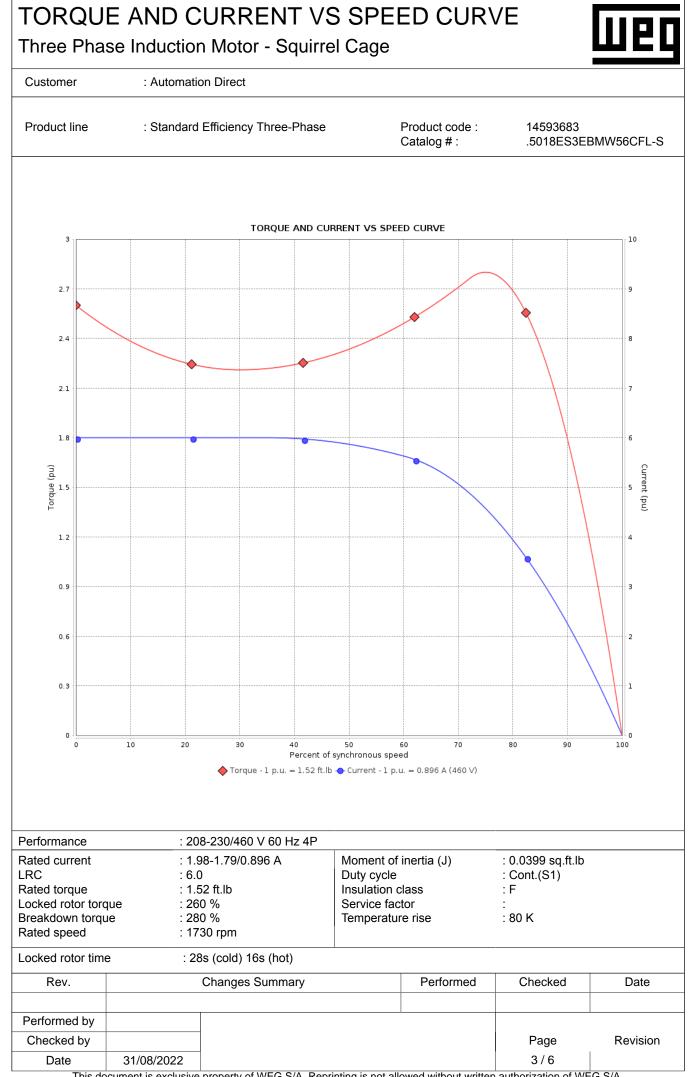


Brake information

Voltage: 208-230/460//190/380 V Brake Torque: 2.95 ft.lb

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	31/08/2022			2/6	

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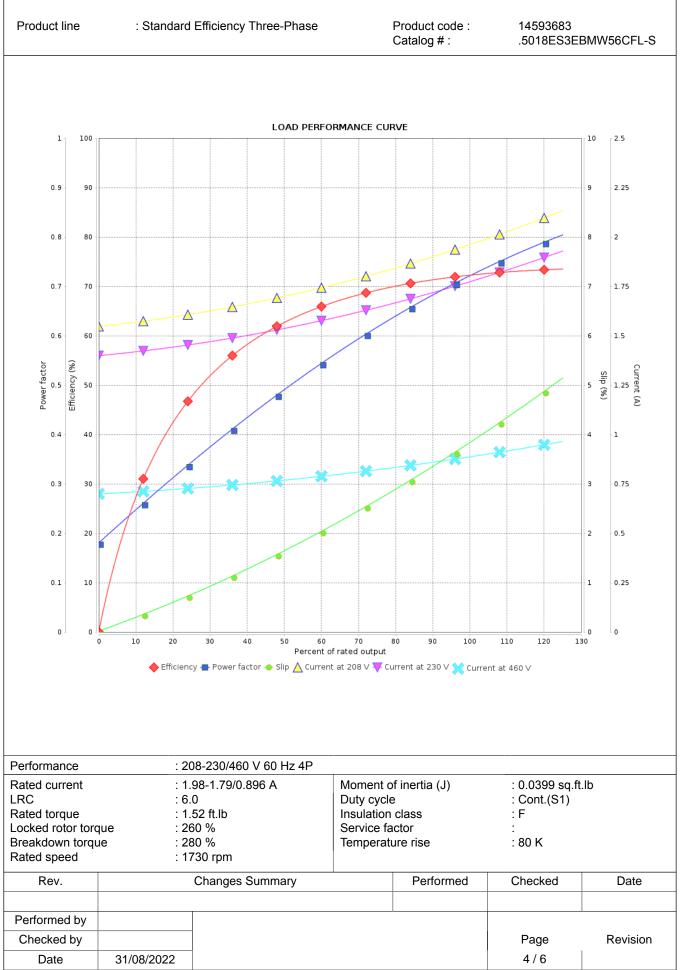
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

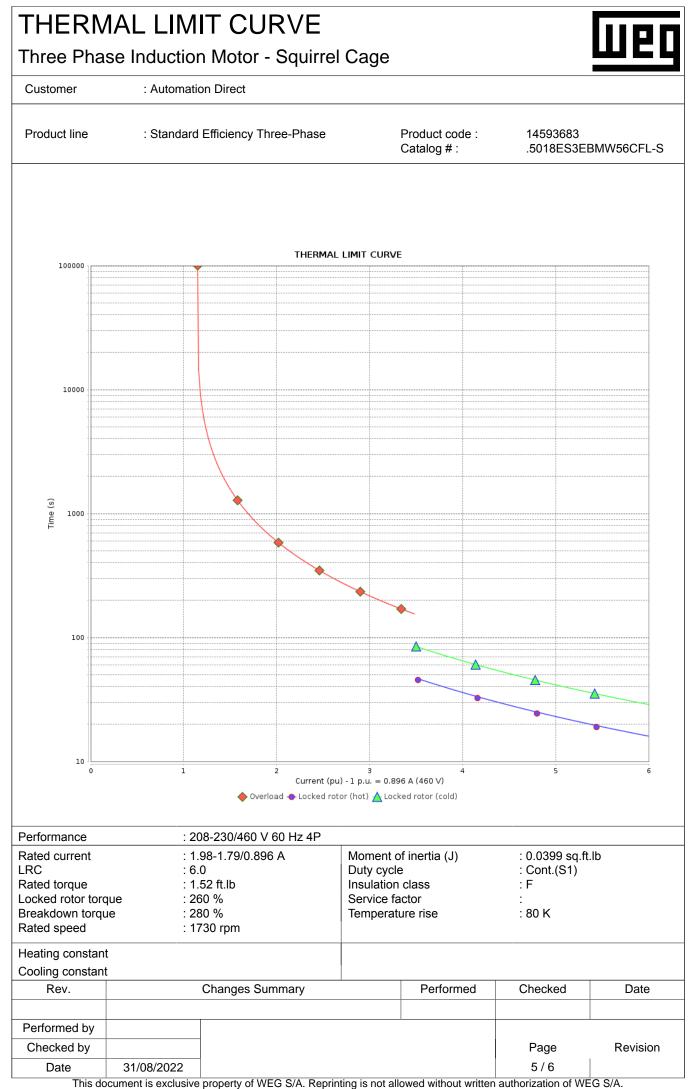


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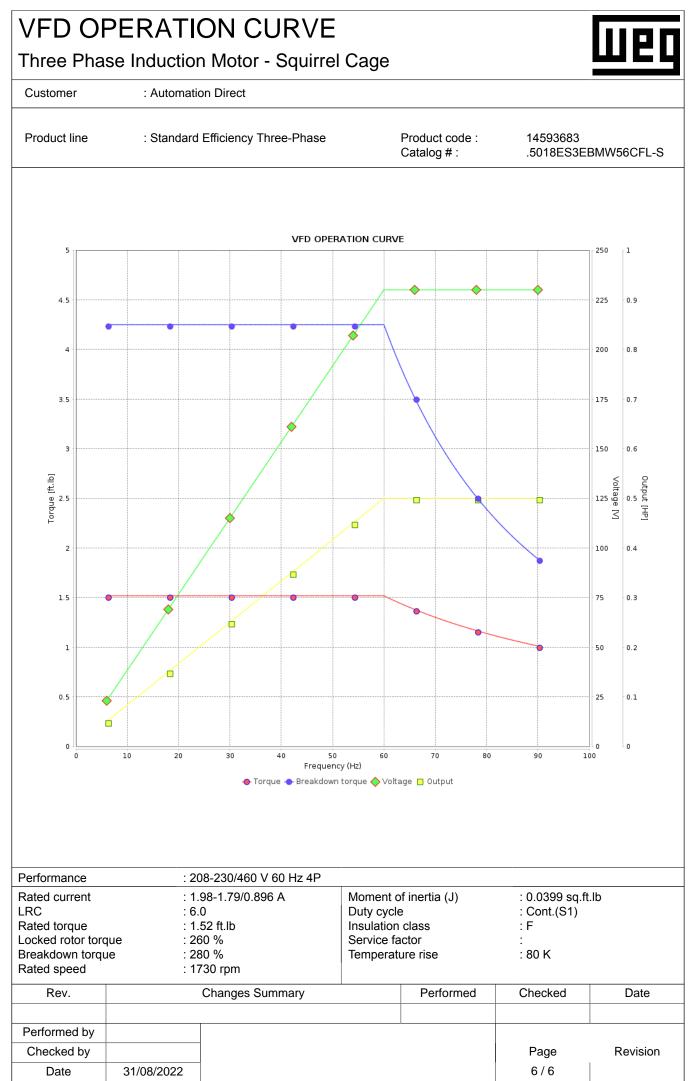
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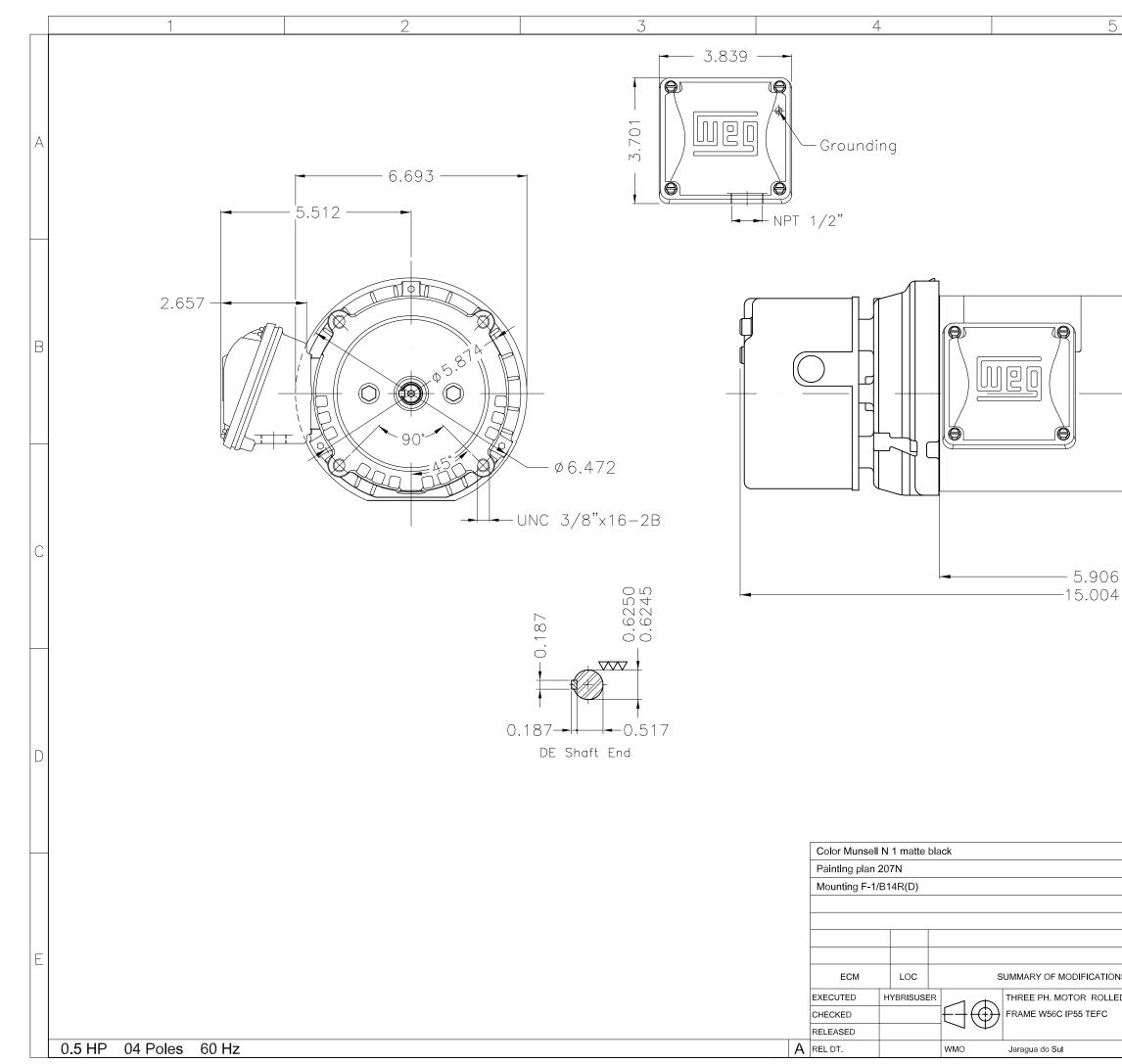


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Produc	t Engineering	SHEET	1 / 1		XME
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MADE	IN MÉXICO)								
	145936									
	LE0IC0X									
	EL .5018			56C	FL-S					
	R2022	B/I	N:							
РН	3	Hz	60		HP	0.50				
FR	W58C				k₩	0.37				
DUTY CONT.] V		30/460				
ALT	ALT 1000 m.a.s.l				A		.79/0.89			
INS CI	L F AT 80	ĸ	IP5	5	SFA		2.06/1.03	3		
AMB	40°C		DES	-	SF	1.15 0.72				
ENCL	TEFC		CODE	к	1	1730				
USAB	LE @ 208	V SF	1.00							
						A FF 72.				
	NATE RA				50Hz			80-415V		SF1.00
1 2	04-1.98/1.									
					400RP		EFF 67.0	· · ·		EC 60034-1
	Invert	er dut	y moto	For	60Hz u	ise on '	VPWM 1	000:1 VT,		
DE 6	Invert 203-ZZ	er dut	y motor DE 6203	For 2-ZZ	60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, X EM		
DE 6	Invert	er dut	y moto	For 2-ZZ	60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, X EM		
DE 6	Invert 203-ZZ	er dut	y motor DE 620 5	For 2-ZZ	60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, X EM 6		СТ
	Invert 203-ZZ	er dut	y motor DE 6203	For 2-ZZ	60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, X EM 6 T1-1	10:1	T2-WHT
DE 6	Invert 203-ZZ	er dut	ty motor DE 6202 5T€ BT§		60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, X EM 6 T1-1 9 T3-4	10:1 BLU ORG	T2-WHT T4-YEL
DE 6	Invert 203-ZZ	er dut	y motor DE 620 5		60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, X EM 6 71-1 9 T3-4 75-1	10:1 BLU ORG BLK	T2-WHT T4-YEL T6-GRY
DE 6	Invert 203-ZZ	er dut	ty motor DE 6202 5T€ BT§		60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, <u>x EM</u> 6 19 13-1 75-1 3 T5-1 3 T7-1	10:1 BLU DRG BLK PNK	T2-WHT T4-YEL T6-GRY T8-RED
MO Y	Invert 203-ZZ	er dut	ty motor DE 6202 5T€ BT§		60Hz u	ise on ' OBIL P	VPWM 1	000:1 VT, <u>x EM</u> 6 19 13-1 75-1 3 T5-1 3 T7-1	10:1 BLU ORG BLK	T2-WHT T4-YEL T6-GRY T8-RED
DE 6		Transformed by the second seco	ty motol DE 6202 5 TE B TS 2 T3 L3			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TE TE L3	000:1 VT, X EM 6 9 T3-4 9 T5-1 3 T7-1 T9-1	10:1 BLU DRG BLK PNK	T2-WHT T4-YEL T6-GRY T8-RED
			by motor DE 6202 5 TE B TS 2 TS L3			TA T7 T7 T1 T1 L2 REVERSE	TE TE L3	000:1 VT, X EM 6 73-1 73-1 75-1 75-1 75-1 75-1 75-1 75-1 75-1	10:1 BLU DRG BLK PNK	T2-WHT T4-YEL T6-GRY T8-RED
	Inverta 203-ZZ UD T7 UD T7 UD T7 UD T7 UT L1 INTERCHAIL WARNIN	TR TR TR TR TR TR TR TR TR TR TR TR TR T	ty motor DE 6202 5 TE 8 TS 2 TS L3 14 TWO L1 tor must al electric		BOHZ W M BOHZ W BUILDON Y L C RESTOF Buunded lit des to pr	ISE ON I OBIL F T4 T7 T1 L2 REVERSE n accord event se	VPWM 1 OLYRE T5 T T8 T T2 T 2 L3 THE ROT/ ance with rious elec	0000:1 VT, X EM 6 7 9 T3-4 7 7 7 7 7 7 7 10 10 10 10 10 10 10 10 10 10	10:1 BLU DRG BLK PNK	T2-WHT T4-YEL T6-GRY T8-RED
MOT Y	Inverta 203-ZZ UD T7 UD T7 UD T7 UD T7 UT L1 INTERCHAIL WARNIN	T T T T T T T T T T T T T T	y motor DE 6202 5 TE 8 TS 2 T3 2 T3 2 T3 2 T3 2 T3 2 T3 2 T3 2 T3		BOHZ W M SUP SUP SUP SUP SUP SUP SUP SUP SUP SUP	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	VPWM 1 OLYRE TO TR TR TR TR TR TR TR TR TR TR	0000:1 VT, x EM 6 7 9 13-1 9 15-1 3 17-1 19-1 1001 10001 10001	10:1 BLU DRG BLK PNK	T2-WHT T4-YEL T6-GRY T8-RED
MOT Y	Inverta 203-ZZ UD T7 UD T7 UD T7 UD T7 UT L1 INTERCHAIL WARNIN	T T T T T T T T T T T T T T	y motor DE 6202 5 TE 8 TS 2 T3 2 T3 2 T3 2 T3 2 T3 2 T3 2 T3 2 T3	NE WII be grownal powers	BOHZ II M BOHZ II BOUNDAL SET OF Monteul Res to pr Nor source e moteu	TA TA TA TA TA TA TA TA TA TA TA TA TA T	TERNIC TOLYRE	0000:1 VT, X EM 6 11-1 9 T3-4 3 T7-1 T9-1 10000 10000 100000 100000 100000 100000 10000 10000 10000	10:1 BLU DRG BLK PNK	T2-WHT T4-YEL T6-GRY T8-RED