DATA SHEET

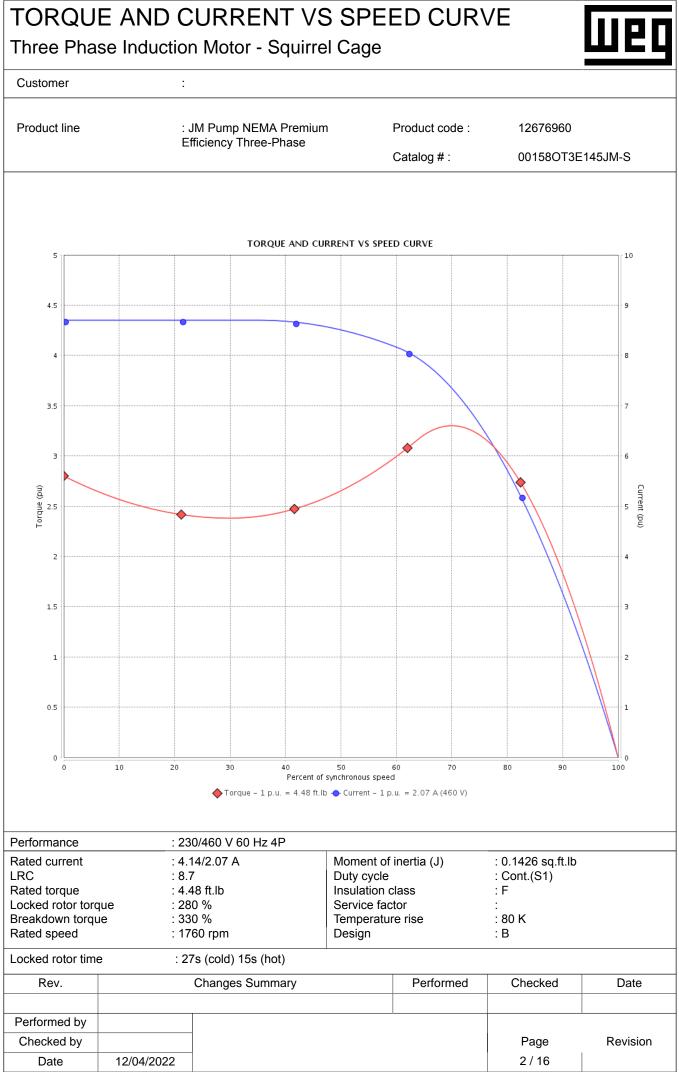
Three Phase Induction Motor - Squirrel Cage

:



Customer

Frame Insulation class Duty cycle Ambient tempera Altitude		Efficiency Three-F	nase	(Catalog # ·		
Insulation class Duty cycle Ambient tempera		. 4 40/5 11 4		Catalog # : Cooling method		00158OT3E145JM-S	
Duty cycle Ambient tempera		: 143/5JM				: IC01 - OD	P
Ambient tempera		: F		Mounting		: F-1	
Ambient tempera		: Cont.(S1)		Rotation		: Both (CW	and CCW)
	ture	: -20°C to +40°C		Starting	method	: Direct On I	
		: 1000 m.a.s.l.		Approx.		: 43.9 lb	
Design		: B			of inertia (J)	: 0.1426 sq.	ft.lb
Output [HP]		1.5			1.5	· ·	1.5
Poles		4			4		4
Frequency [Hz]		60			50		50
Rated voltage [V]		230/460)		190/380	22	20/415
Rated current [A]		4.14/2.0			4.84/2.42		1/2.34
L. R. Amperes [A]		36.0/18.			31.0/15.5		.9/16.4
LRC [A]				6			
LRC [A] No load current [A]		8.7x(Code 2.40/1.2		0	.4x(Code H) 2.36/1.18		(Code J) 1/1.28
		-	U				
Rated speed [RPN	IJ	1760			1440		1445
Slip [%]		2.22			4.00		3.67
Rated torque [ft.lb]		4.48			5.47		5.45
Locked rotor torque		280			190		220
Breakdown torque	[%]	330			250		280
Service factor					1.15		1.15
Temperature rise		80 K			80 K		80 K
Locked rotor time		27s (cold) 15			(cold) 0s (hot)		ld) 0s (hot)
Noise level ²		52.0 dB(/	A)		49.0 dB(A)		0 dB(A)
	25%	83.6			85.3		84.0
Efficiency (%)	50%	84.0			84.3		83.6
	75%	86.5			84.7		84.8
	100%	86.5			83.2		83.9
	25%	0.32			0.38		0.35
Dower Faster	50%	0.56			0.64		0.60
Power Factor	75%	0.69			0.77		0.73
	100%	0.77			0.83		0.81
	LI	Drive end No	on drive end	Foundatio	on loads	1	
Bearing type	:	6206 ZZ	6203 ZZ	Max. trac		: 111 lb	
Sealing		Without	Without	Max. com		: 155 lb	
Sealing		Bearing Seal E			ipiession	. 155 15	
Lubrication interv		Dearing Sear L	Searing Sear				
Lubricant amount		- -	-				
Lubricant type		Mobil Poly	rex FM				
Notes USABLE @208V	4.58A SF 1.0	00 SFA 4.58A					
must be eliminate (1) Looking the me	d. otor from the					based on tests wi ne tolerances stipu	
 (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full 	veight subject	blerance of +3dB(A) to changes after).				
Rev.		Changes Sumr	mary		Performed	Checked	Date
Performed by							
Checked by						Page	Revision
Date	12/04/2022	,				1 / 16	
		-		a io n=+ =!!-			

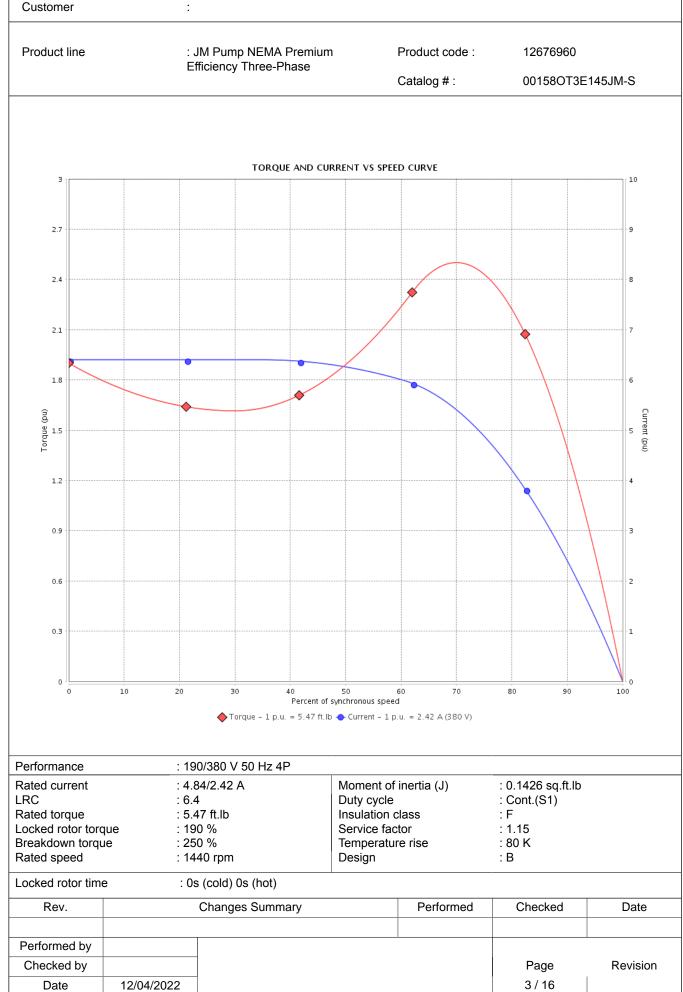


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

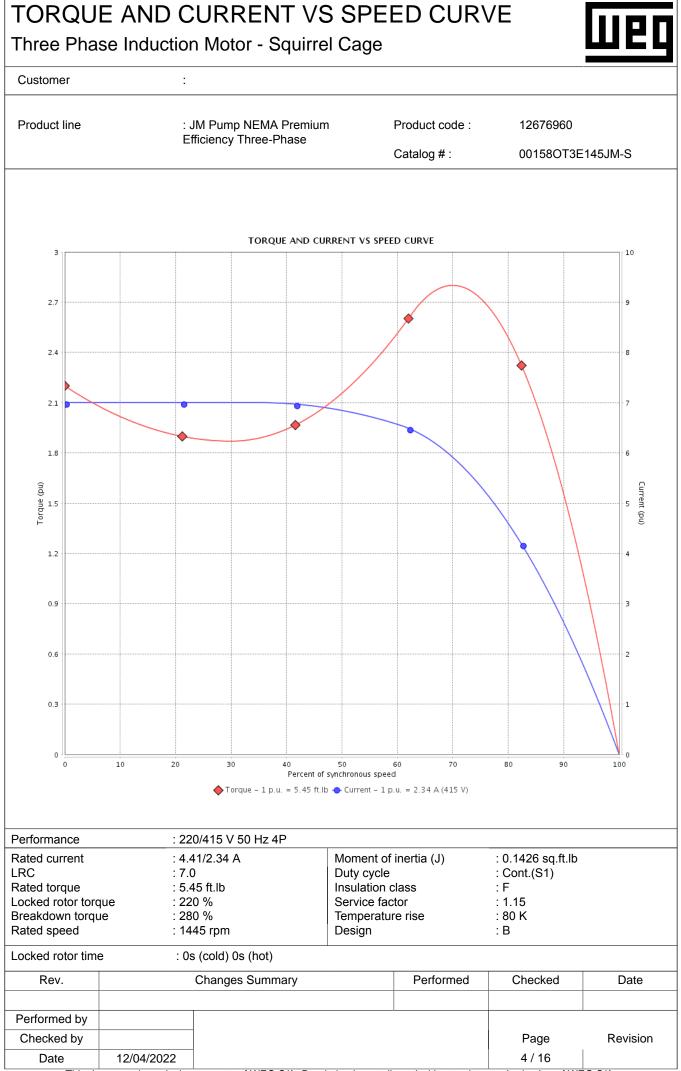
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



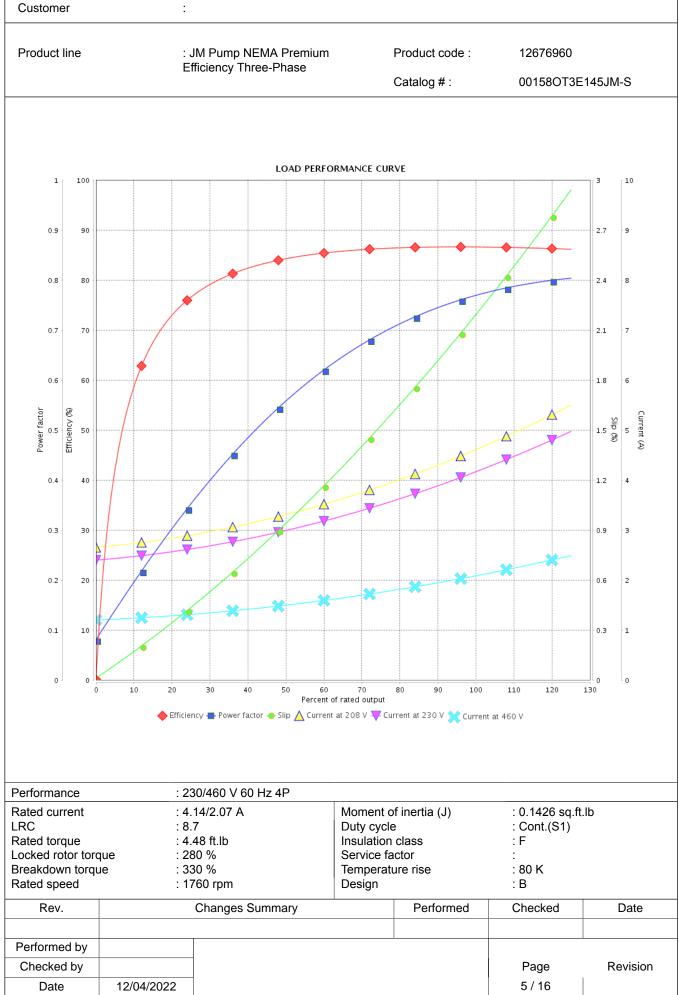
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

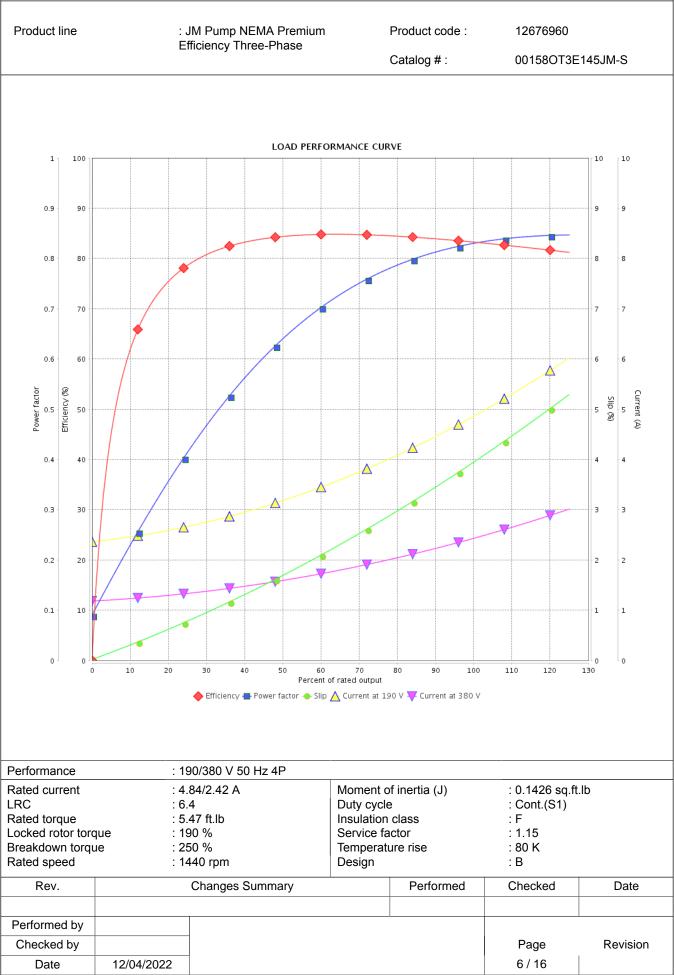
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



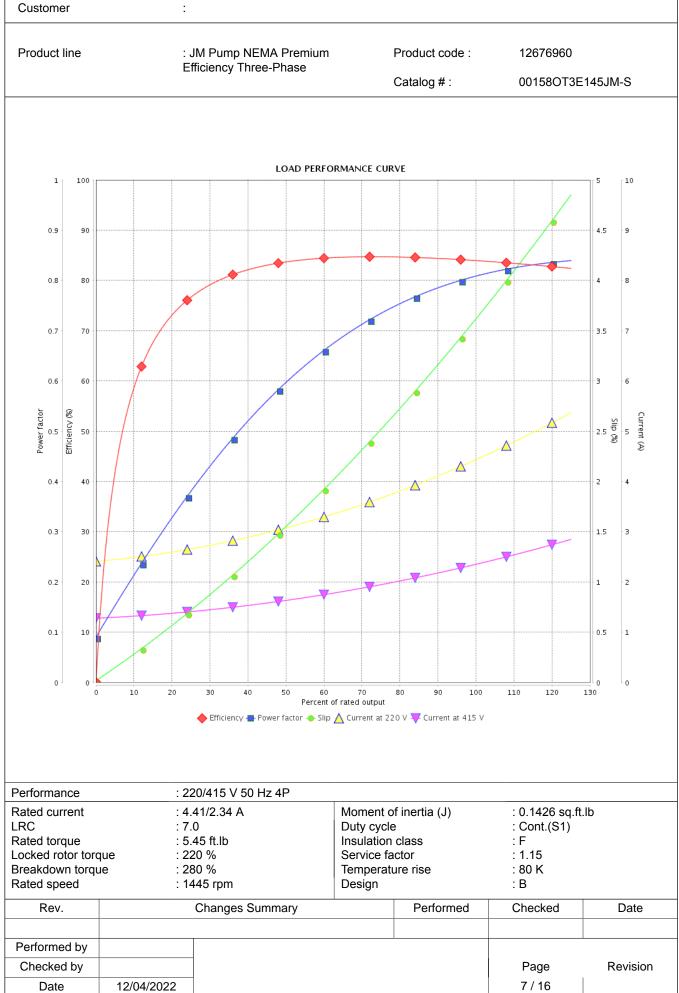
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

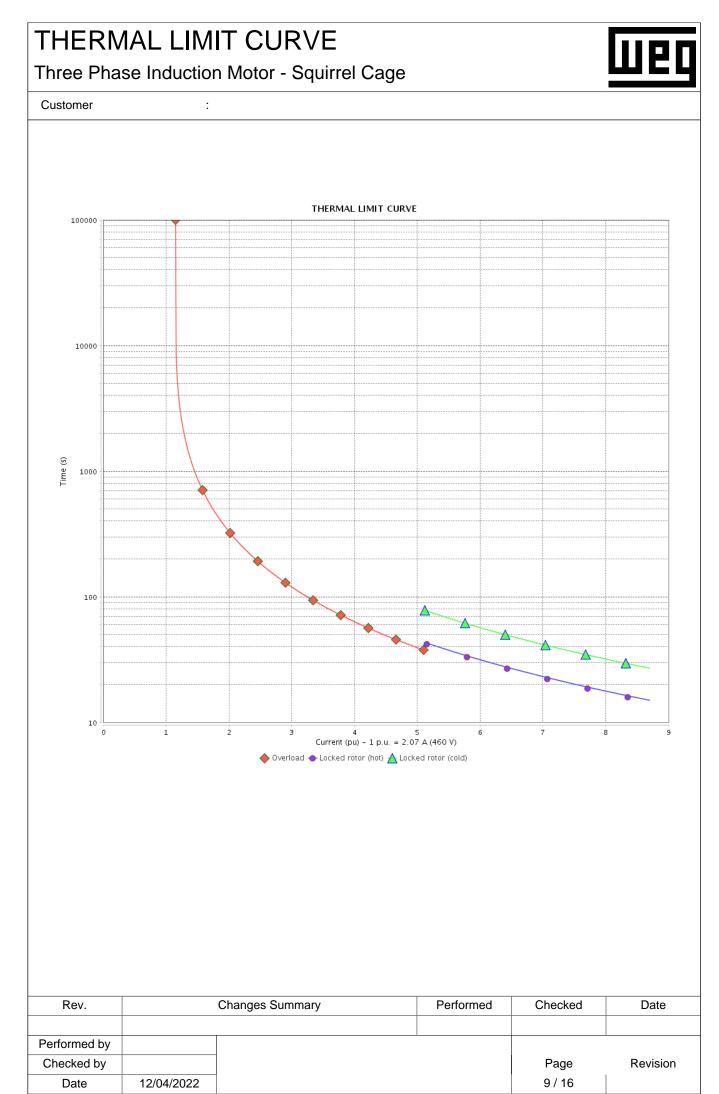


Customer

Product line		JM Pump NEMA Premium		Product code :	12676960	
				Catalog # :	00158OT3E	145JM-S
Performance		230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 8 : 4 que : 2 ue : 3	1.14/2.07 A 3.7 4.48 ft.lb 280 % 330 % 760 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1426 sq.ft. : Cont.(S1) : F : : 80 K : B	lb
Heating constant		· P				
Cooling constant						
Rev.	-	Changes Summary		Performed	Checked	Date
	<u> </u>	· · ·				
Performed by					1	
Checked by					Page	Revision
Date	12/04/2022	1			8 / 16	

 12/04/2022
 8 / 16

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

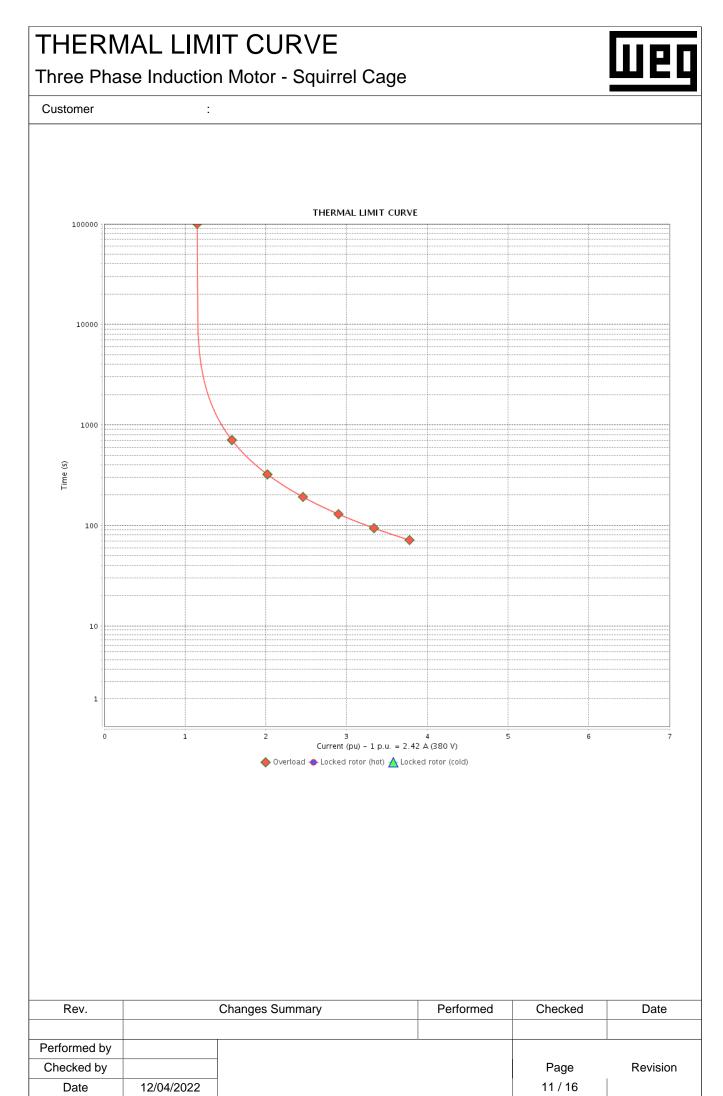


Customer

Product line		JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12676960	
				Catalog # :	00158OT3E	145JM-S
Performance	: 1	90/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 5 que : 1 Je : 2	.84/2.42 A .4 .47 ft.lb 90 % 50 % 440 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.1426 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constan	t					
Cooling constan						
Rev.		Changes Summary		Performed	Checked	Date
D (1				
Performed by		_			D	Deviat
Checked by Date	12/04/2022	-			Page 10 / 16	Revision

 12/04/2022
 10 / 16

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

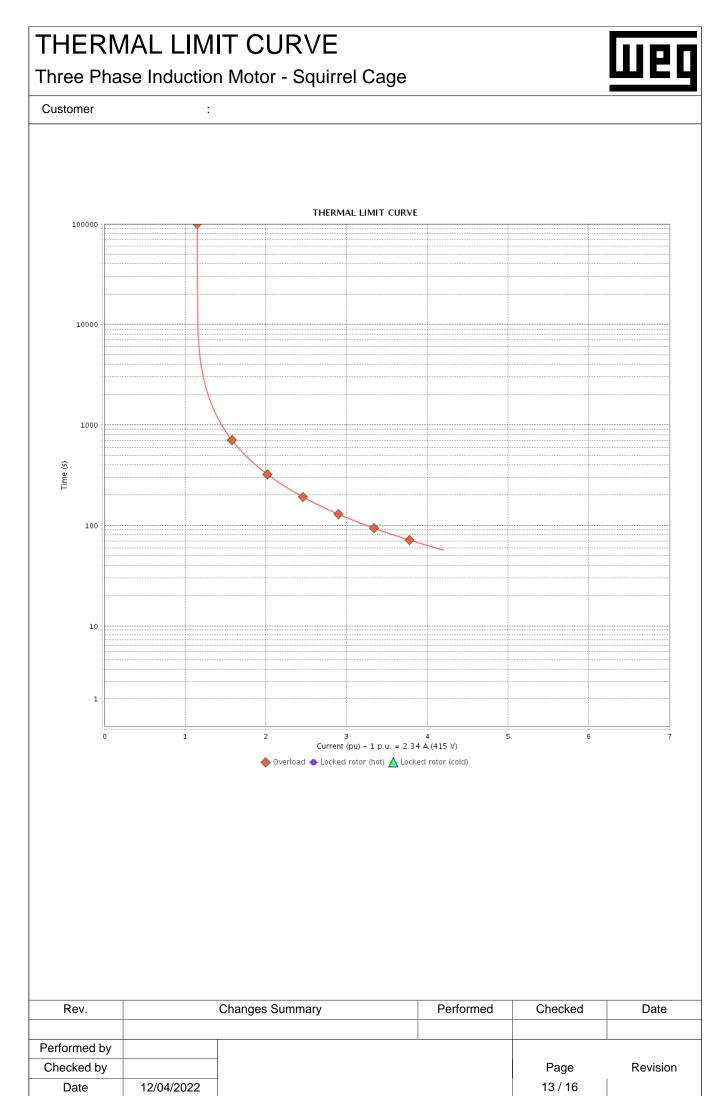


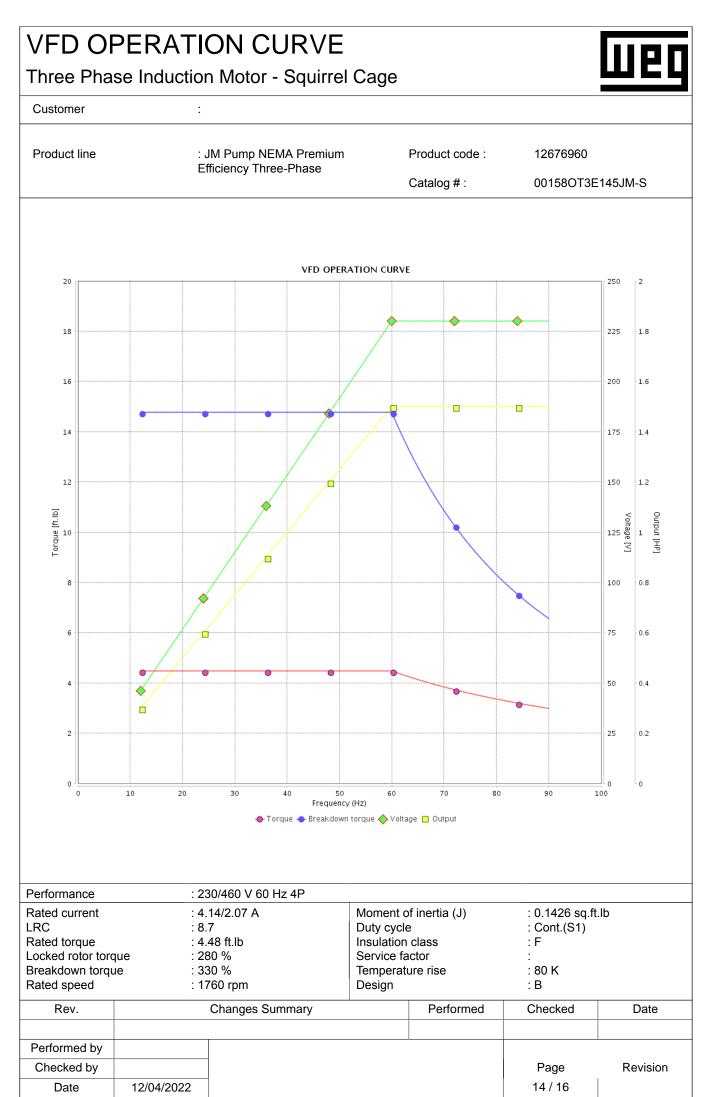
Customer

Product line		JM Pump NEMA Premium		Product code :	12676960	
	_	,,,		Catalog # :	00158OT3E	145JM-S
Performance	: 2	20/415 V 50 Hz 4P				
Rated current		.41/2.34 A		of inertia (J)	: 0.1426 sq.ft.	b
LRC Rated torque	: 7 : 5	.0 5.45 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tore	que : 2	20 %	Service fa	ictor	: 1.15	
Breakdown torqu Rated speed		280 % 445 rpm	Temperate Design	ure rise	: 80 K : B	
			Design		. U	
Heating constan						
Cooling constan Rev.		Changes Summary		Performed	Checked	Date
						24.0
Performed by						
Checked by		-			Page	Revision
Date	12/04/2022	-			12 / 16	

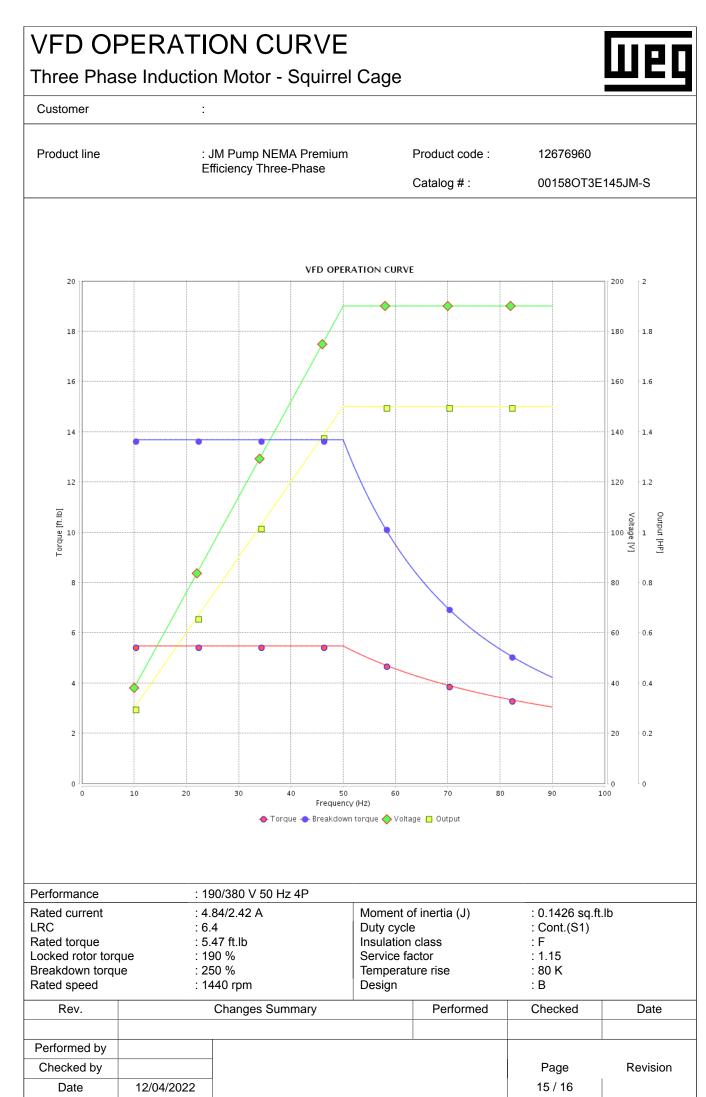
 12/04/2022
 12 / 16

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

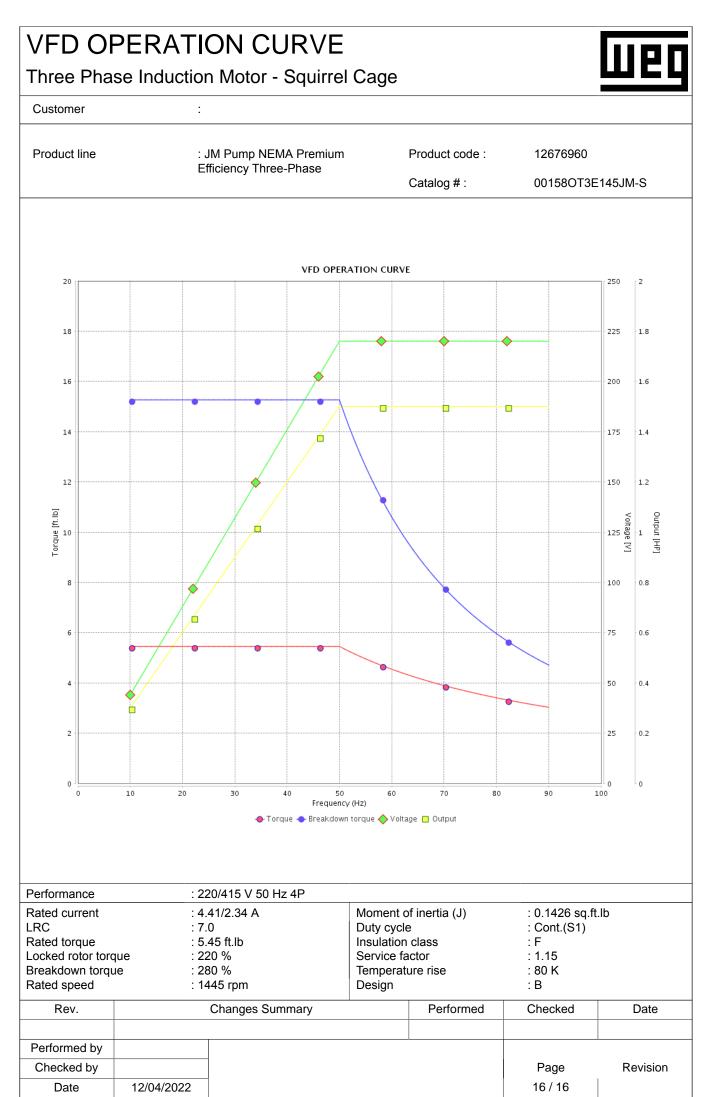


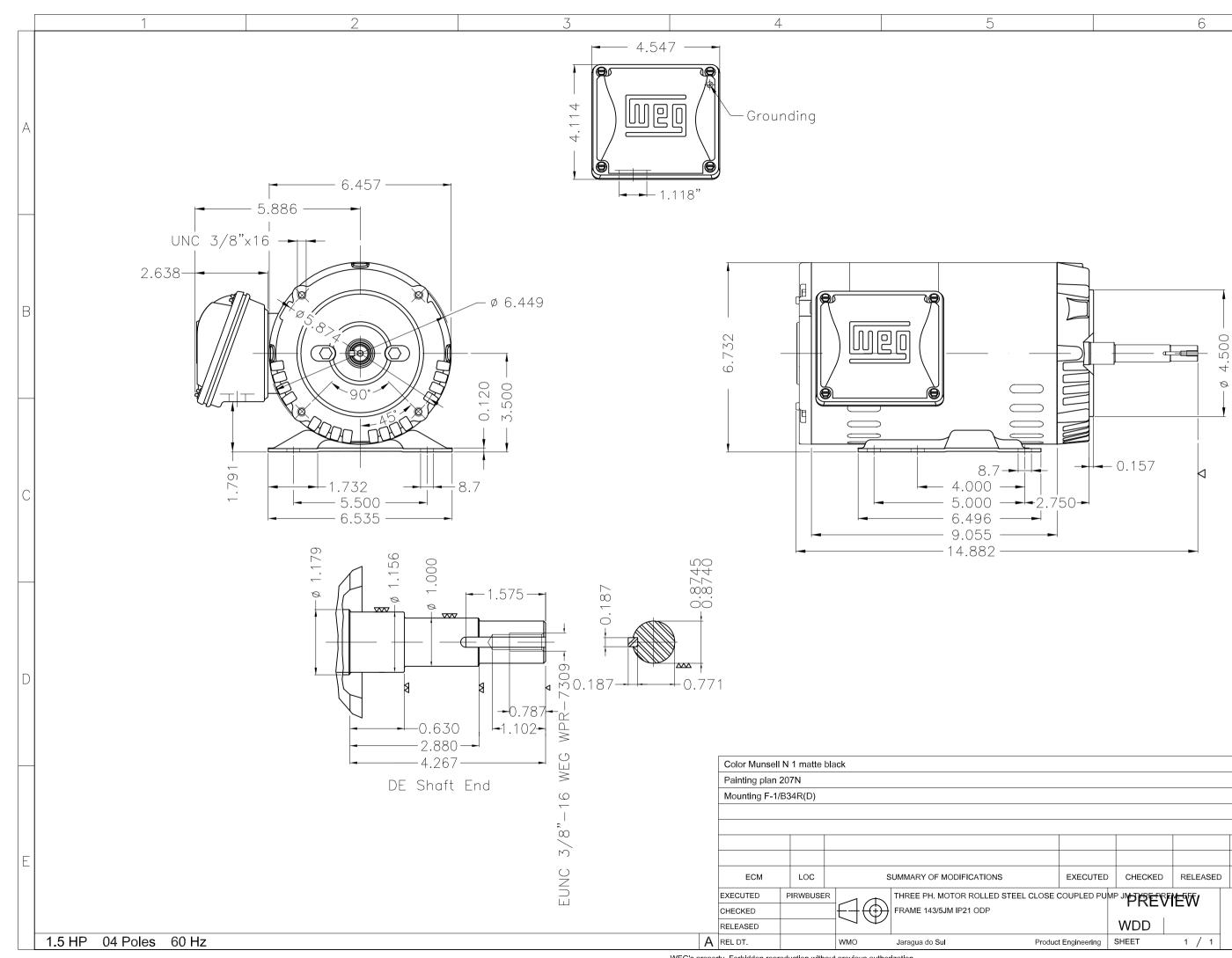


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



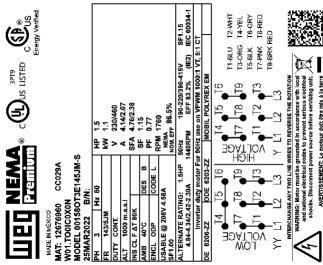
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.





WEG's property. Forbidden reproduction without previous authorization.

-					
-					
	DATE VER	RELEASED	CHECKED	EXECUTED	ONS
		EW	MP JAPREVI	COUPLED PU	LED STEEL CLOSE (
A3	шец		WDD		
XME		1 / 1	SHEET	Engineering	Product
_		ÊŴ	^{™™} ™™®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®	COUPLED PU	LED STEEL CLOSE (



choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout