DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

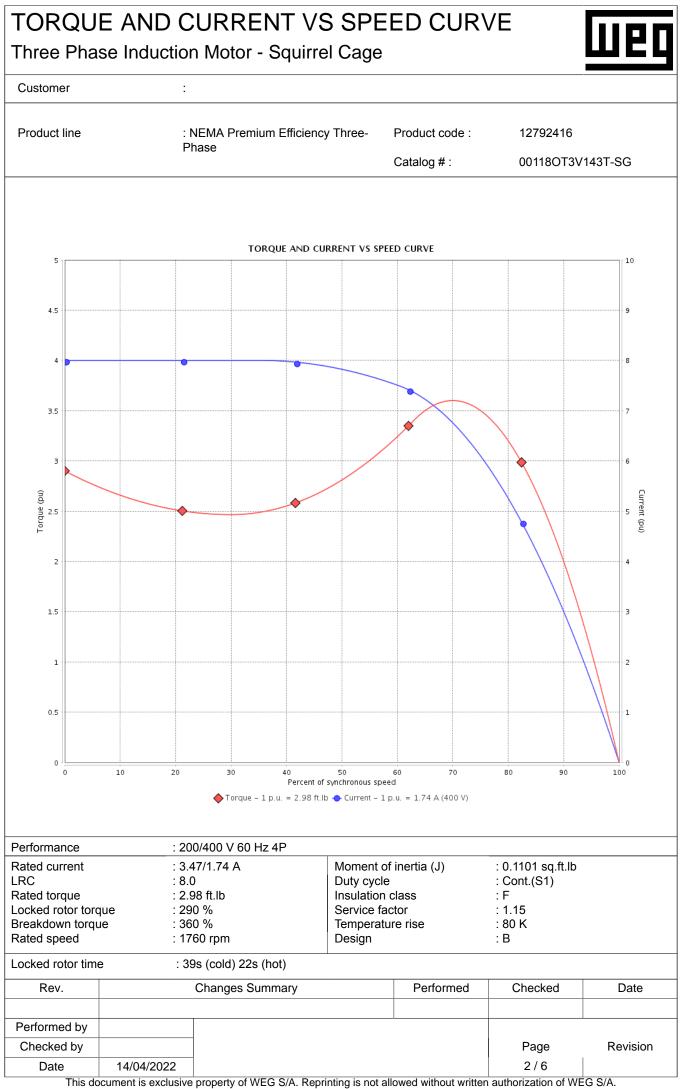


		: NEN Phas		m Efficiency T	Three-	Product code :	12792416	
					(Catalog # :	00118OT3V	/143T-SG
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 143/5T : 1 HP (0.75 kW) : 4 : 60 Hz : 200/400 V : 3.47/1.74 A : 27.8/13.9 A : 8.0x(Code L) : 2.20/1.10 A : 1760 rpm : 2.22 % : 2.98 ft.lb : 290 % : 360 % : F : 1.15 : 0.1101 sq.ft.lb : B			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		: 39s (cold) 22s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IC01 - ODP : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 34.9 lb	
Output	25%	50%	75%	100%	Foundatio	n loads		
Efficiency (%)	79.9	81.5	84.0	85.5	Max. tract		: 76 lb	
Power Factor	0.29	0.51	0.65	0.73 re end	Max. com	Non drive end	: 111 lb	
Sealing Lubrication inter Lubricant amou		:		Bearing Seal -		Without Bearing -	,	
Lubricant type Notes		:		Mol	bil Polyrex	EM		
Notes This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc	nd. e of +3dB(one, which A).	These and	e average values	s based on tests w ne tolerances stipu	
Lubricant type Notes This revision rep must be eliminati (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(one, which A).	These are power su	e average values		
Notes This revision rep must be eliminati (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	one, which A).	These are power su	e average values pply, subject to th	ne tolerances stipu	Ilated in NEMA
Notes This revision rep must be eliminati (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev. Performed by	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	one, which A).	These are power su	e average values pply, subject to th	ne tolerances stipu	Ilated in NEMA
Notes Notes This revision rep must be eliminati (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	one, which A).	These are power su	e average values pply, subject to th	ne tolerances stipu	Ilated in NEMA

Weq

 e
 14/04/2022
 1 / 6

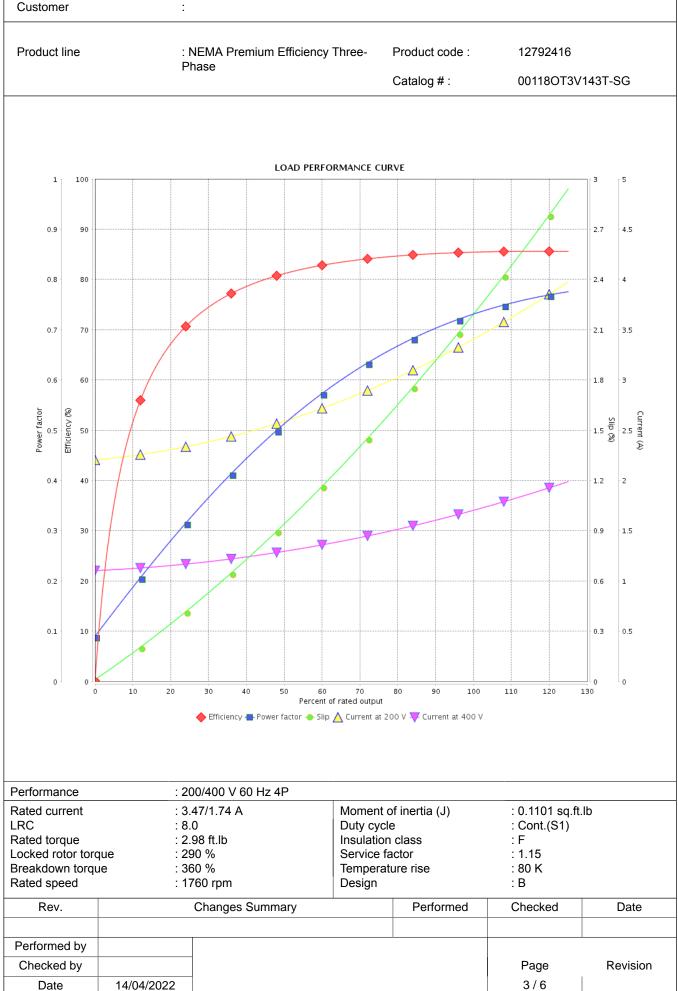
 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer

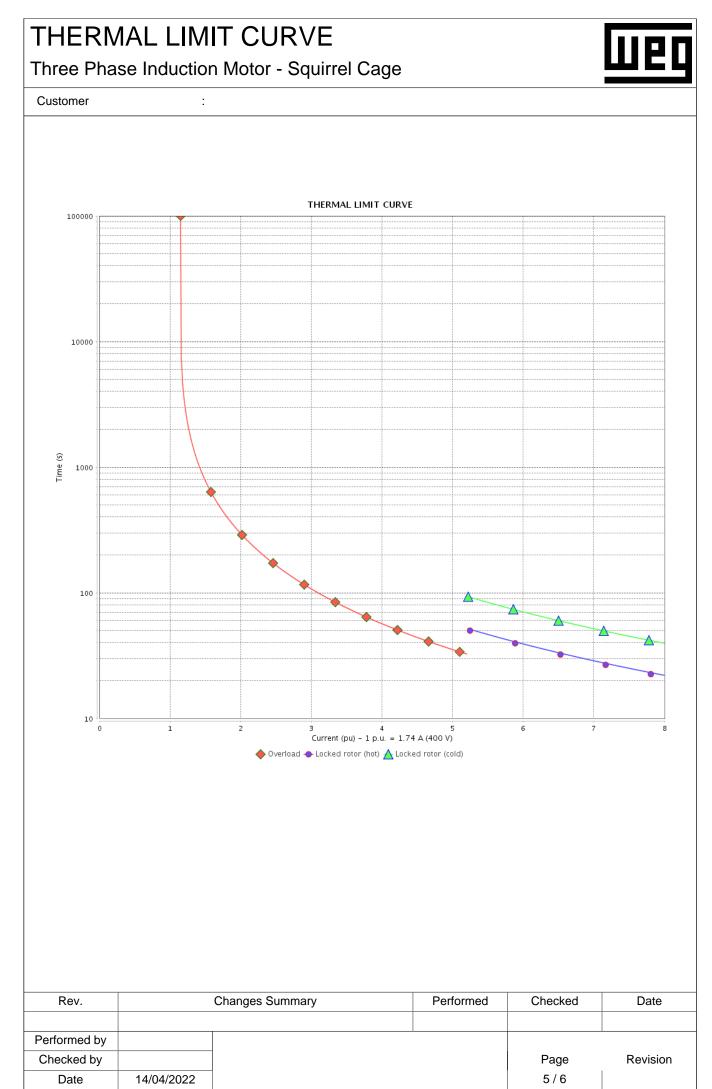


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

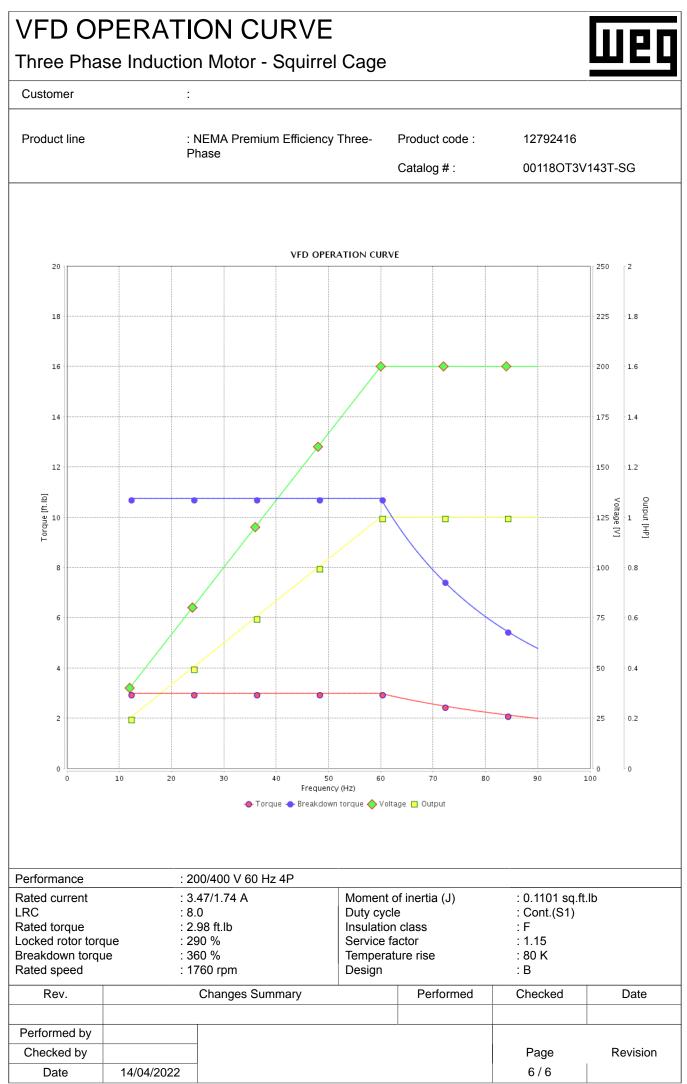
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12792416
		Catalog # :	00118OT3V143T-SG

Performance	: 20	00/400 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		47/1.74 A .0 .98 ft.lb 90 % 60 % 760 rpm	A Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.1101 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	14/04/2022	1			4 / 6	

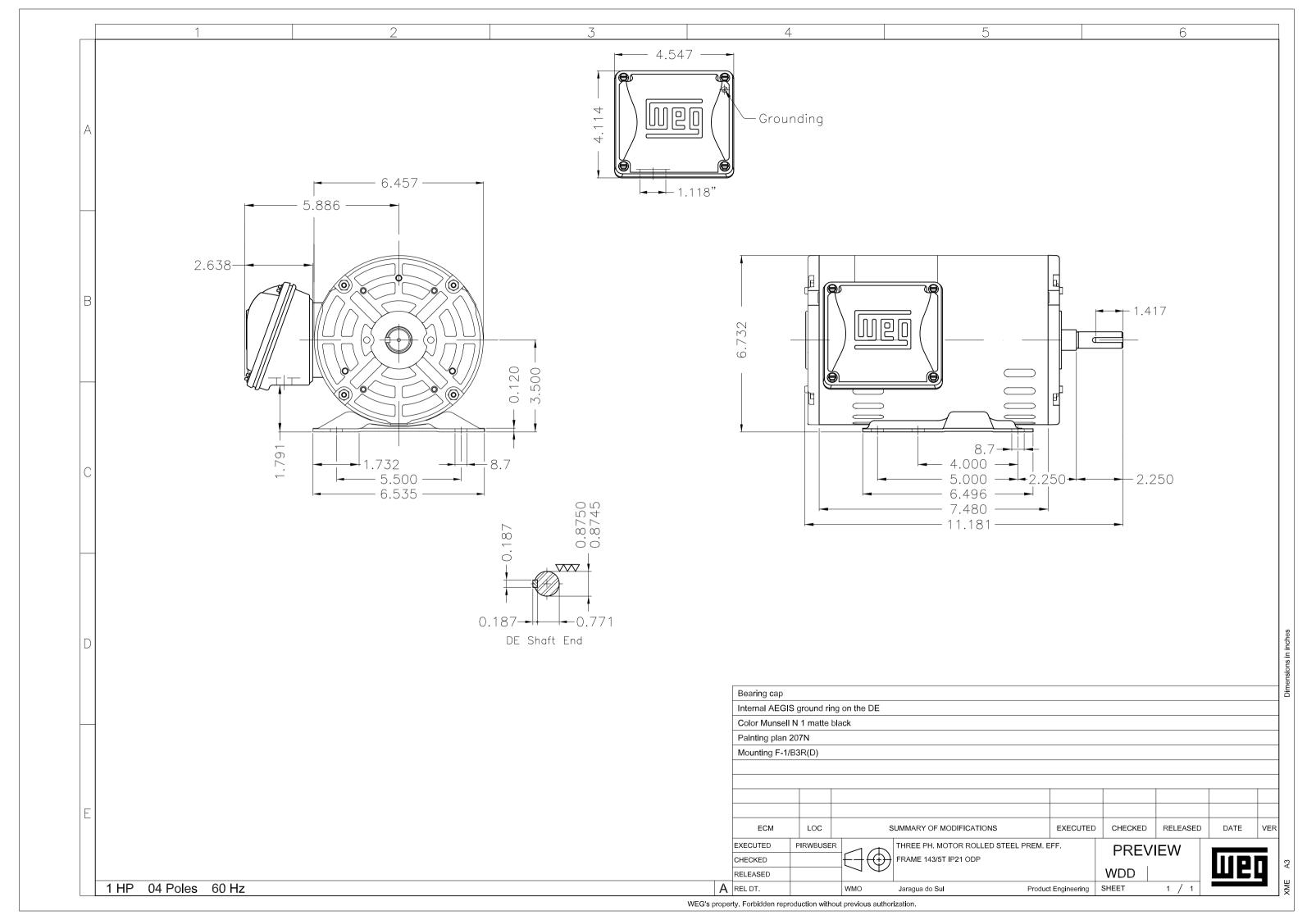
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



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



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



L 00118013V1431-SG 2018
PH3 FR 143/5T HP(KW) 1.0(0.75) Hz 60 V 200/400
3.47/1.74 DUTY
A 3.99/2.00 CODE L DES B
MB 40°C
ALT 1000 m.a.s.I. INEMA NOM.EFF. 85.5% PF 0.73 ALTERNATE RATING:
_
110 111 112 110 111 112 11-BLU 12-WHT TA TE TE TE TE TE 13-ORG 14-YEL
●17 ●18 ●19 〒○ ●17 ●18 ●19 19-BRK RE ●11 ●17 ●13 > ●11 ●12 ●13 110-BRK RE
3 4 11 12 13
INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION
Inverter duty For use on VPWM 1000:1 VT, 5:1 CT
DE: 6205-ZZ ODE: 6203-ZZ MOBIL POLYREX EM
WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power
source before servicing unit. AVEPTISSEMENT Le moteur doit être mis à la terre conformément
aux codes électriques locaux et nationaux afin d'éve concernance.
stectrique grave, beconnectez i amiteritation avant i entretteri de la macimite.