DATA SHEET

Three Phase Induction Motor - Squirrel Cage

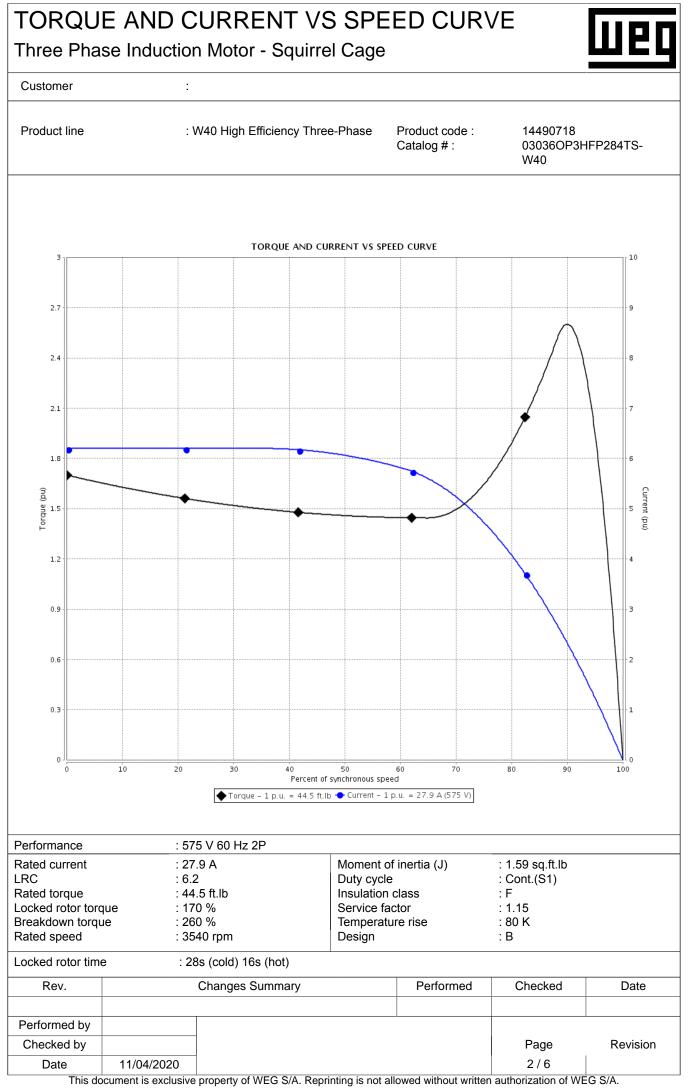
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Customer

Frame Output		: W40) High Effic	iency Three-l	Phase Product code : Catalog # :		14490718 03036OP3HFP284TS- W40		
		: 284TS : 30 HP (22 kW) : 2 : 60 Hz : 575 V : 27.9 A : 173 A : 6.2x(Code G) : 8.80 A : 3540 rpm : 1.67 % : 44.5 ft.lb : 170 % : 260 % : F : 1.15 : 1.59 sq.ft.lb : B			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: 28s (cold) 16s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 300 lb		
Output	25%	50%	75%	100%	Foundatio	n loads			
Efficiency (%)	90.0	90.2	91.0	91.0	Max. trac				
Power Factor	0.50	0.74	0.83	0.87	Max. com	pression			
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type Notes	1		Without E 20	1 Z C3 Bearing Seal 000 h 18 g Mo	bil Polyrex	6211 Z C3 Without Bearing S 20000 h 11 g EM	Seal		
This revision replac must be eliminated (1) Looking the mo (2) Measured at 1n (3) Approximate we manufacturing proc (4) At 100% of full I	tor from th n and with eight subje cess.	ie shaft e toleranc	end. e of +3dB(/			e average values l pply, subject to the			
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LOAD PERFORMANCE CURVE Three Phase Induction Motor - Squirrel Cage Customer : Product line : W40 High Efficiency Three-Phase Product code : 14490718 Catalog #: 03036OP3HFP284TS-W40 LOAD PERFORMANCE CURVE 100 2.5 50 1 45 2.25 90 0.9 0.8 80 2 40 70 1.75 35 0.7 0.6 60 1.5 30 Efficiency (%) Power factor 25 Current 1.25 Slip 0.5 50 Þ 40 1 20 0.4 0.3 30 0.75 15 20 0.5 10 0.2 0.1 10 0.25 5 0 0 0 0 ò 10 20 30 40 50 60 70 80 90 100 110 120 130 Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip 🛧 Current at 575 V Performance : 575 V 60 Hz 2P : 27.9 A Rated current Moment of inertia (J) : 1.59 sq.ft.lb LRC : 6.2 Duty cycle : Cont.(S1) : 44.5 ft.lb Insulation class Rated torque : F Locked rotor torque : 170 % Service factor : 1.15 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3540 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page

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3/6

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

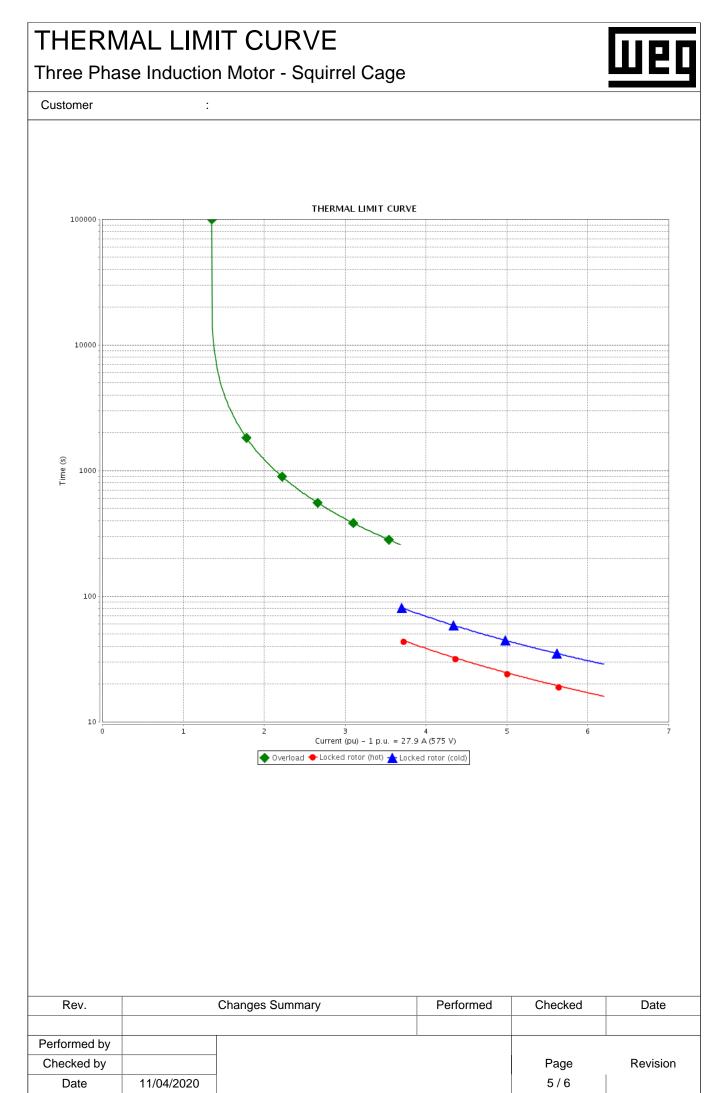
Product line	:'	W40 High Efficiency Three	-Phase	Product code : Catalog # :	14490718 03036OP3H W40	FP284TS-
Performance	: 5	75 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		7.9 A .2 4.5 ft.lb 70 % 60 % 540 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.59 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary	I	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision

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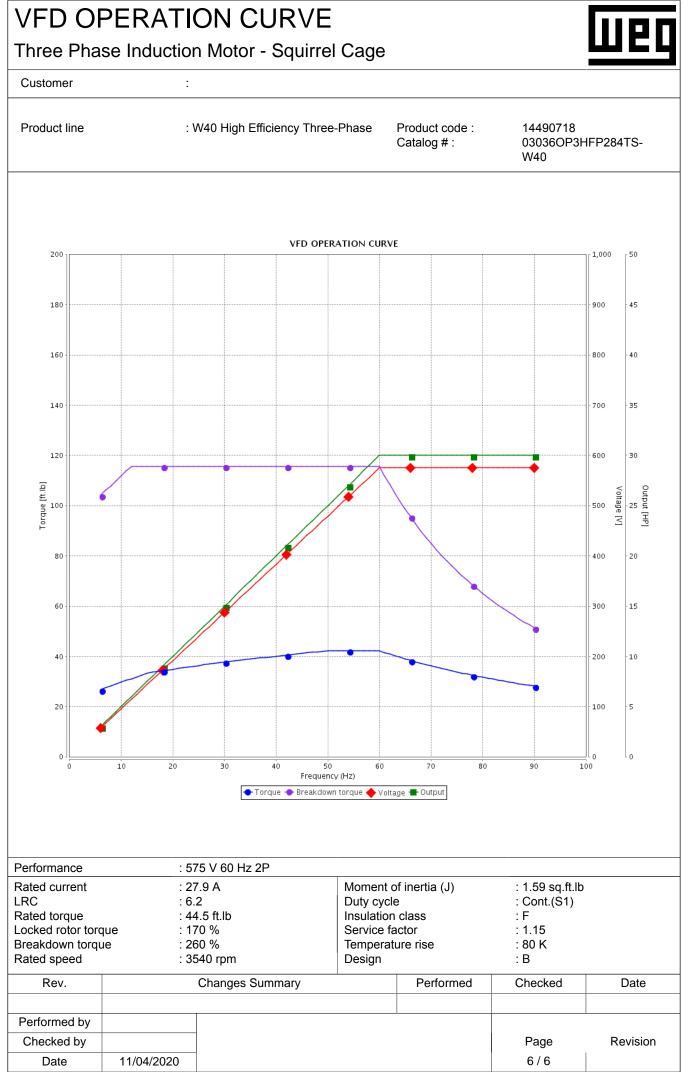
4/6

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