

**TYPICAL MOTOR PERFORMANCE DATA**

Model: \_\_\_\_\_

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500 hp	373 kW	2	3572 rpm	5811S	4000 V	60	3	60.5 A
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	Cont.	94.6	B	F	40

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	500	373	60.5	94.6	94.4
¾ Load	375	280	45.2	94.2	95.1
½ Load	250	186	30.7	92.9	94.4
¼ Load	125	93			
No Load			7.8		15.7
Locked Rotor			389.3		19.8

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
738	94	94	222	149

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
39	34	-	Sleeve	Sleeve	7000

\*Bearings are the only recommended spare part(s).

**Motor Options:**

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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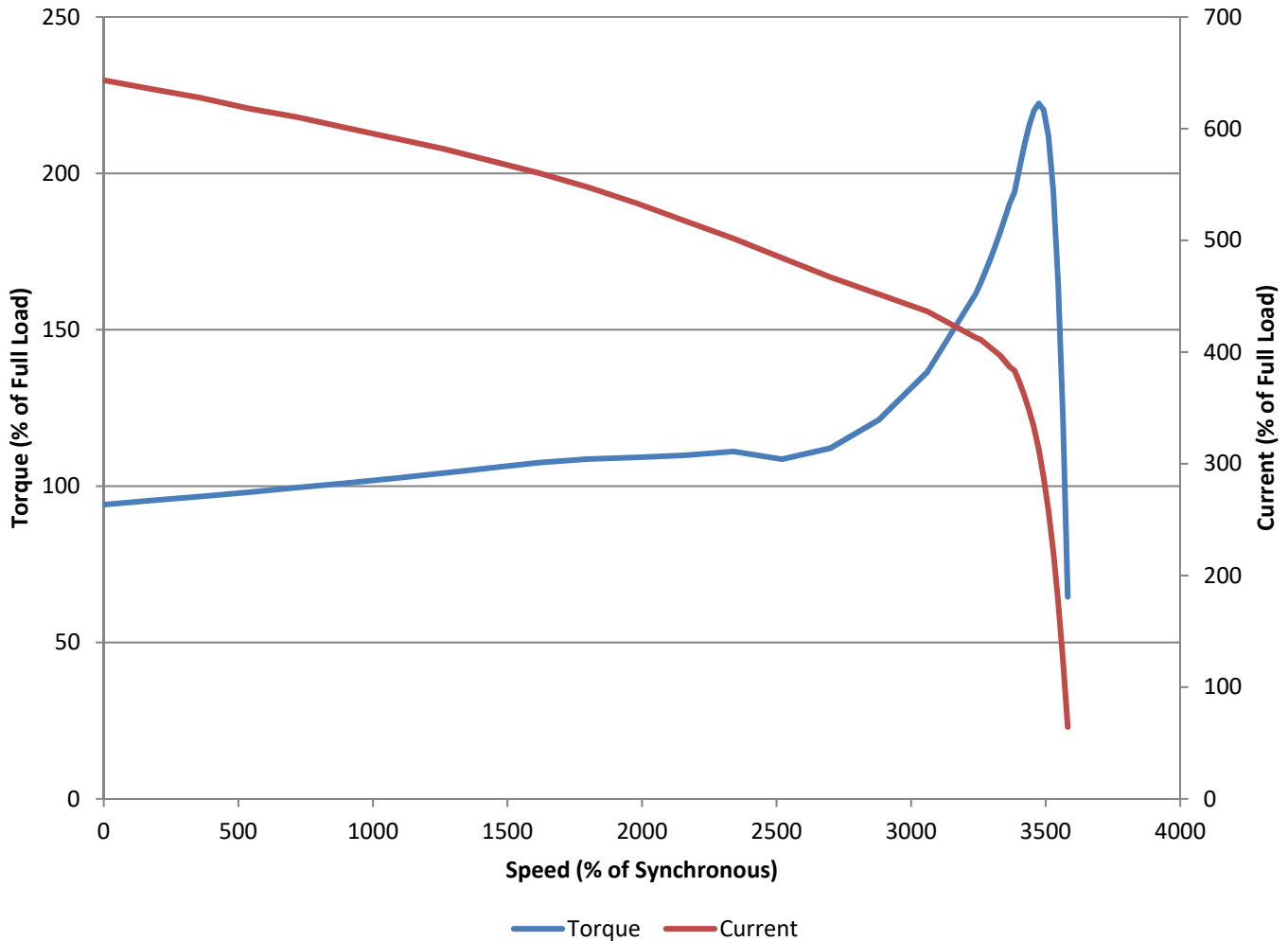
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**SPEED TORQUE/CURRENT CURVE**

Model: \_\_\_\_\_

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500 hp	373 kW	2	3572 rpm	5811S	4000 V	60	3	60.5 A
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	Cont.	94.6	B	F	40
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
389.3	149	738	94		94	222		

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )		
Customer PO			Load Type	
Sales Order			Voltage (%)	100
Project #			Accel. Time	

Tag: \_\_\_\_\_

All characteristics are average expected values.

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