

TYPICAL MOTOR PERFORMANCE DATA

Model: 0304XPEC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	4	1770	286T	575	60	3	29
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	93.6	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	30.00	22.4	29	93.8	81.3
¾ Load	22.50	16.8	23	93.2	77.9
½ Load	15.00	11.2	17.6	91.5	69.5
¼ Load	7.50	5.6	13.4	85.5	48.7
No Load			12.3		
Locked Rotor			189		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
89.0	195	140	300	5.70

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
34	15	-	6310C3	6310C3	550

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

Motor Options:
Product Family:EQP Global Explosion Proof
Mounting:Footed,Shaft:T Shaft

Customer		
Customer PO		
Sales Order		
Project #		

Tag:

All characteristics are average expected values.

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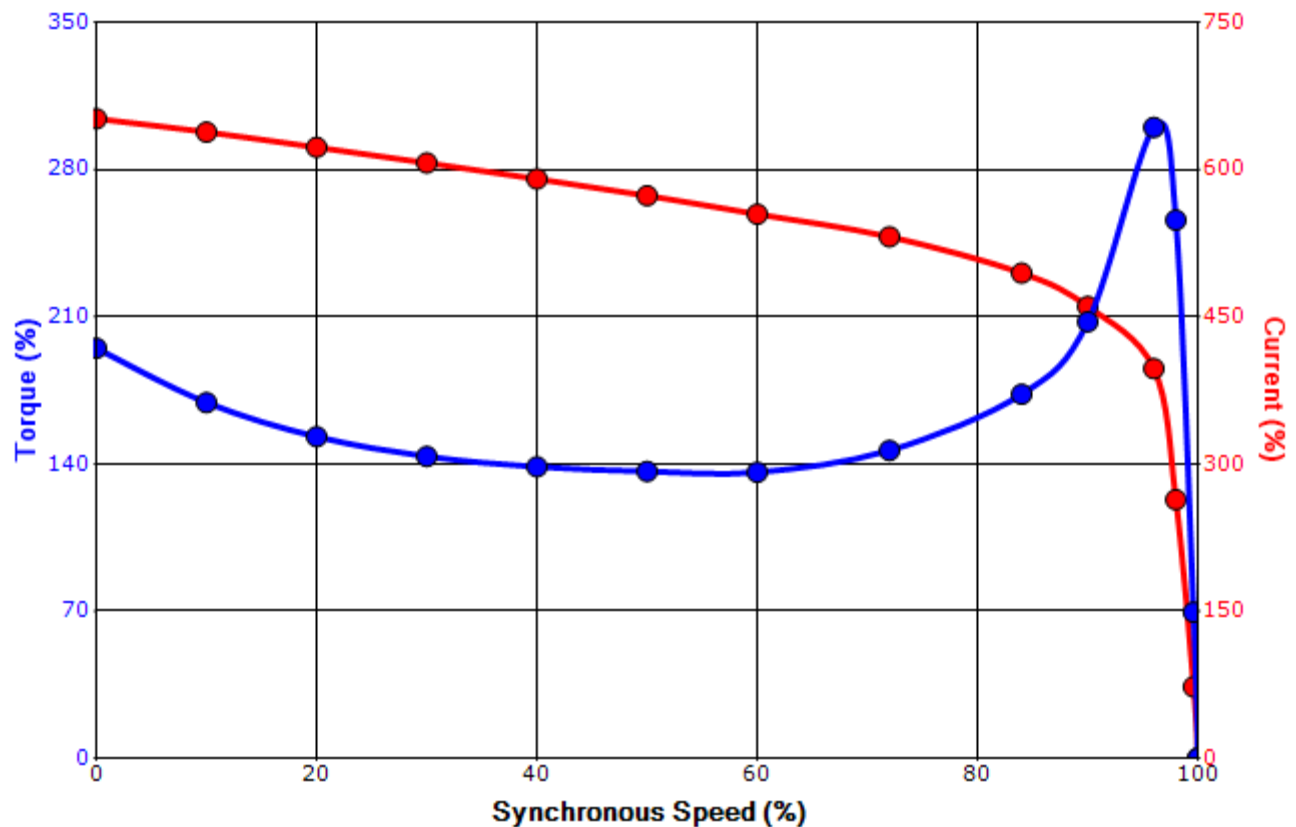
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/29/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0304XPEC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	4	1770	286T	575	60	3	29
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	93.6	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
189	5.70	89.0	195	140		300		

Design Values



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

Tag:

All characteristics are average expected values.

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Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation