

TYPICAL MOTOR PERFORMANCE DATA

Model: 0106XPEC42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	6	1170		575	60	3	10.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC		F	1.15	CONT	91.0	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10.00	7.5	10.7	91.2	76.4
¾ Load	7.50	5.6	8.6	90.6	71.4
½ Load	5.00	3.7	6.8	88.5	61.6
¼ Load	2.50	1.9	4.6	82.7	49.3
No Load			5.3		4.8
Locked Rotor			70		44.3

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
44.9	295	185	345	2.65

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
30	15	-	6310ZZC3	6309ZZC3	

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

Motor Options:
Product Family:EQP Global Explosion Proof

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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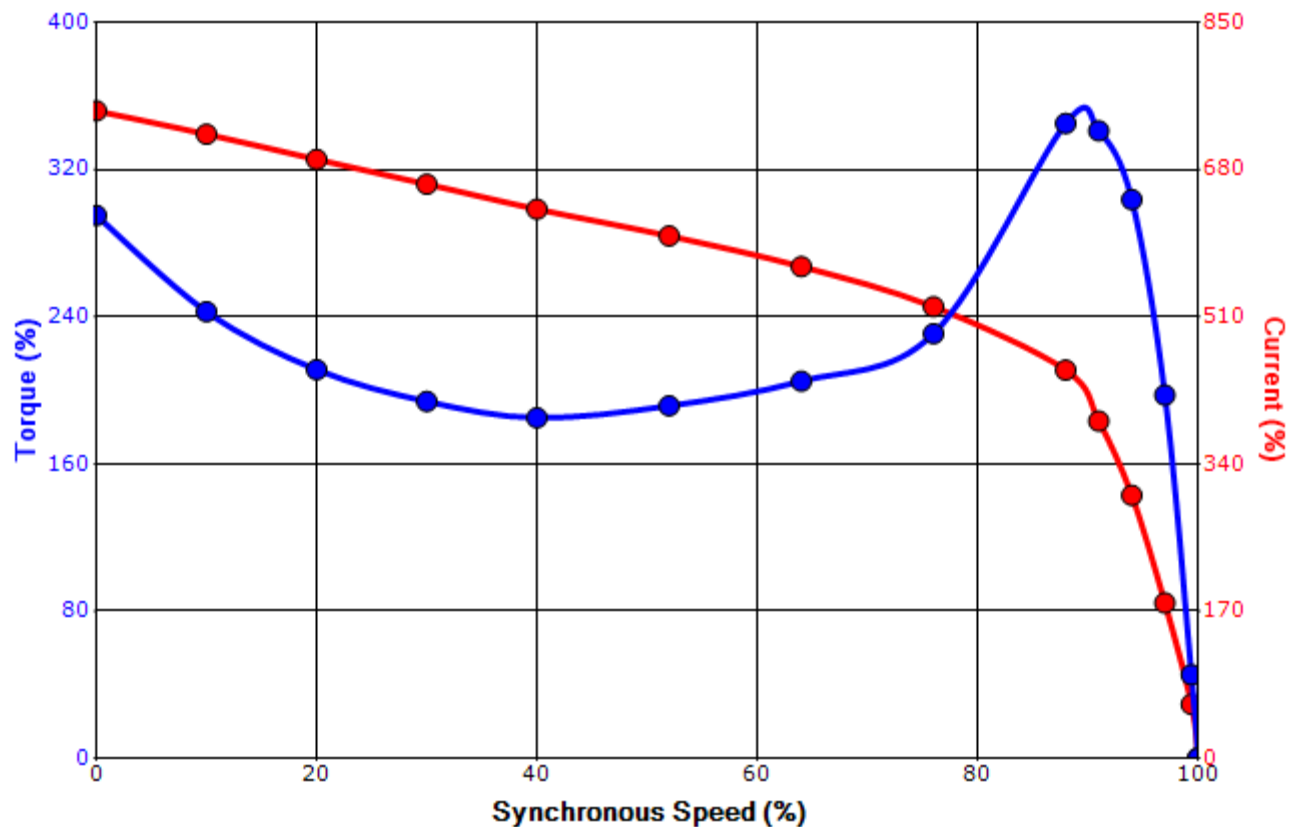
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/10/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0106XPEC42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	6	1170		575	60	3	10.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC		F	1.15	CONT	91.0	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
70	2.65	44.9	295	185		345		

Design Values



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

Tag:

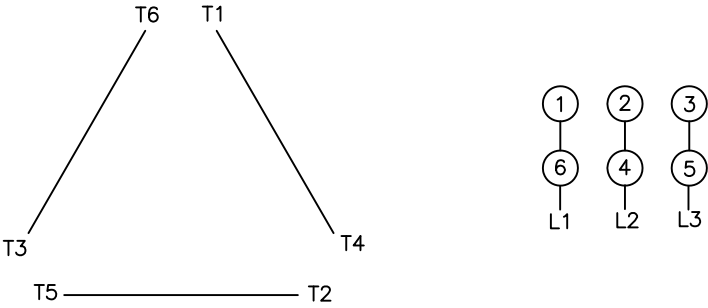
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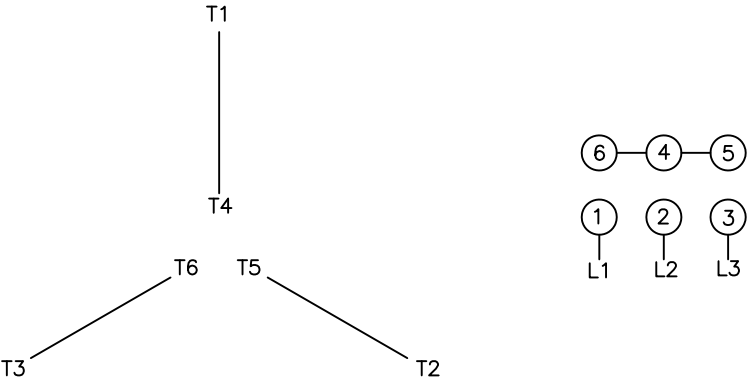
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/10/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation