

TYPICAL MOTOR PERFORMANCE DATA

Model: 0404SDJC41P-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	4	1775	324JP	575	60	3	38
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.1	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40.00	29.8	37	94.6	84.2
¾ Load	30.00	22.4	30	93.6	79.8
½ Load	20.00	14.9	23	91.2	70.6
¼ Load	10.00	7.5	15.3	85.2	57.2
No Load			12.6		4.9
Locked Rotor			252		42.3

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
118	300	225	265	9.80

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
24	15	-	6312ZC3	6312ZC3	0

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

Motor Options:
Mounting:Footed,Shaft:JP Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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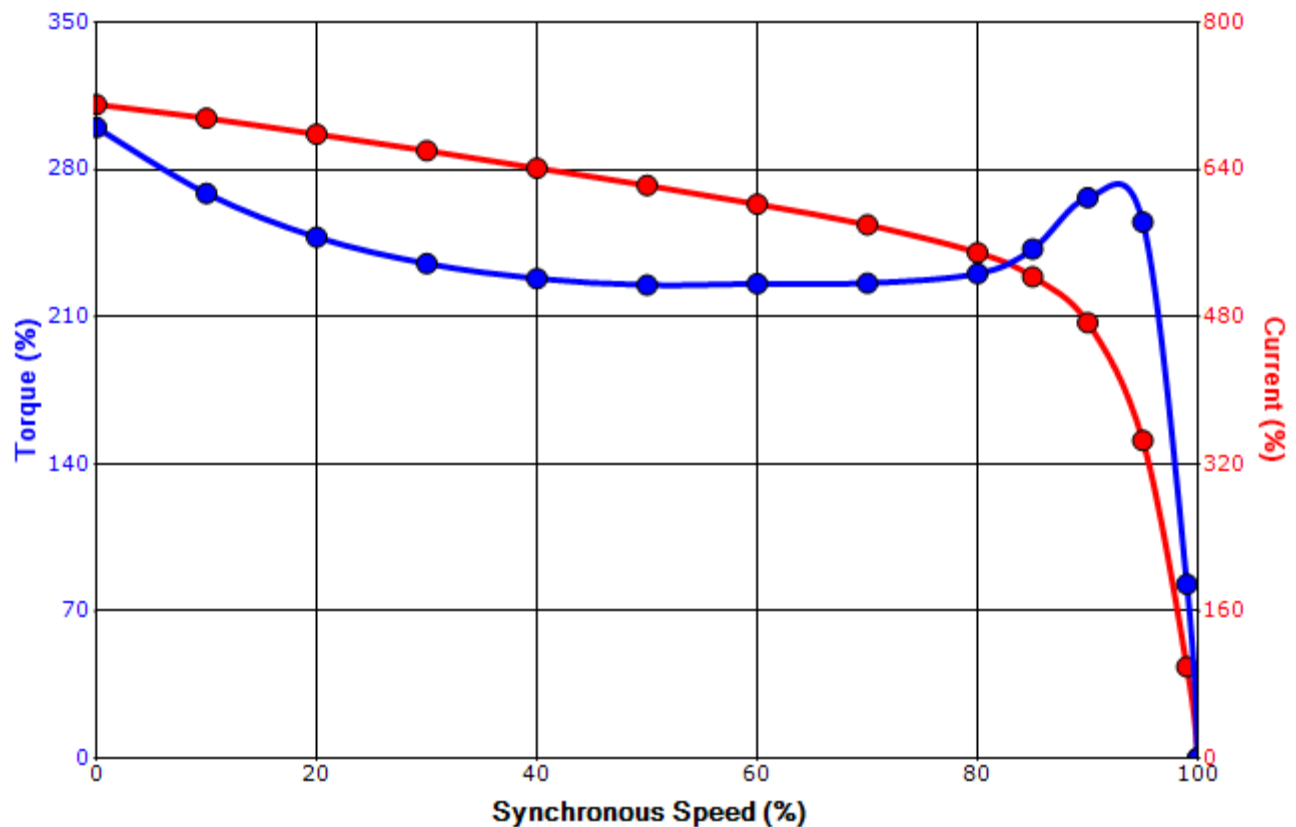
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	9/9/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0404SDJC41P-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	4	1775	324JP	575	60	3	38
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.1	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
252	9.80	118	300	225		265		

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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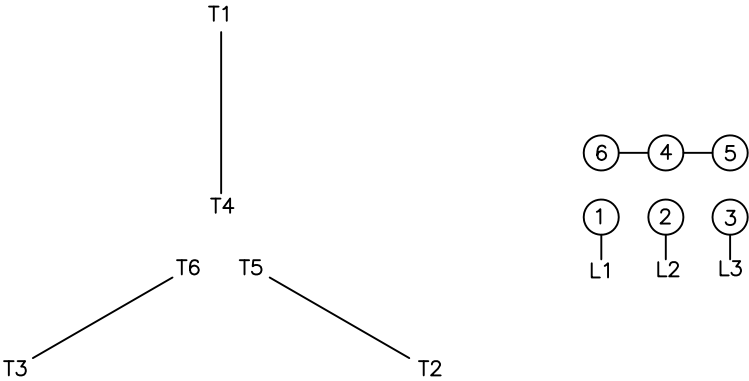
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Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation