

TYPICAL MOTOR PERFORMANCE DATA

Model: Y752XDSC44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	2	3500	213TC	575	60	3	7.20
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	89.5	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.6	7.2	89.7	87.4
¾ Load	5.63	4.2	5.4	89.4	85.3
½ Load	3.75	2.8	3.9	87.6	79.3
¼ Load	1.88	1.4	2.8	80.7	61.9
No Load			2.3		
Locked Rotor			47		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
11.3	230	215	320	0.46

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6308C3	6308C3	0

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

Motor Options:
Mounting:C-Face Round,Shaft:T Shaft

Customer		
Customer PO		
Sales Order		
Project #		

Tag:

All characteristics are average expected values.

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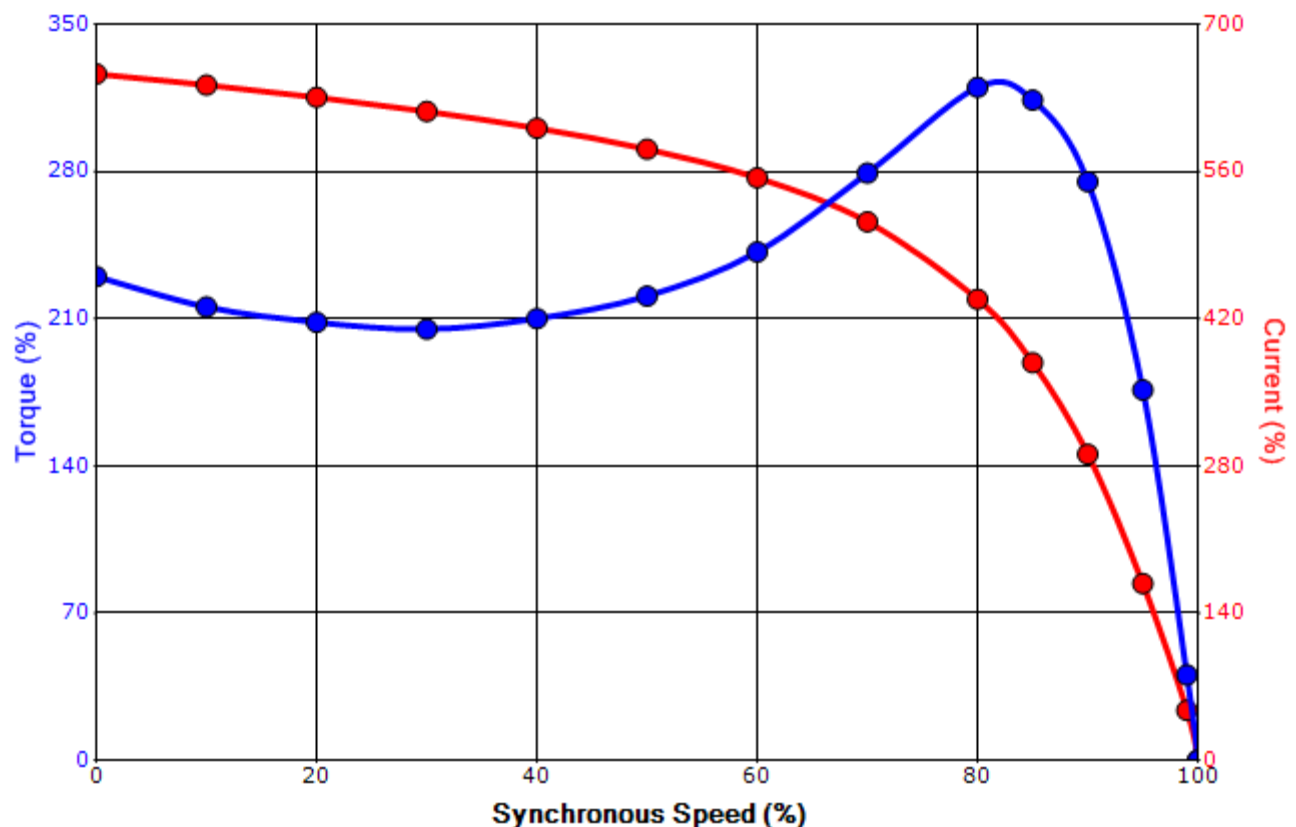
Engineering	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/21/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: Y752XDSC44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	2	3500	213TC	575	60	3	7.20
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	89.5	B	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
47	0.46	11.3	230	215		320		

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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Motor Connection Diagram
3 Leads - Delta Connection

Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one
of them will be labeled with the appropriate lead number.