

TYPICAL MOTOR PERFORMANCE DATA

Model: 1506QDAB41A-PR

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	6	1190	S447T	460	60	3	184
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95.8	A		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	150.00	111.9	183	96.3	79.5
¾ Load	112.50	83.9	144	95.6	76.1
½ Load	75.00	55.9	108	94.0	68.6
¼ Load	37.50	28.0	73	89.1	53.8
No Load			73.6		3.5
Locked Rotor			1433		24.9

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
662	205	160	305	123.74

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
27	15		NU318C3	6308ZZC3	

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

Motor Options:
Product Family:Quarry
Mounting:Footed,Shaft:T Shaft
Motor Specification:Quarry Duty

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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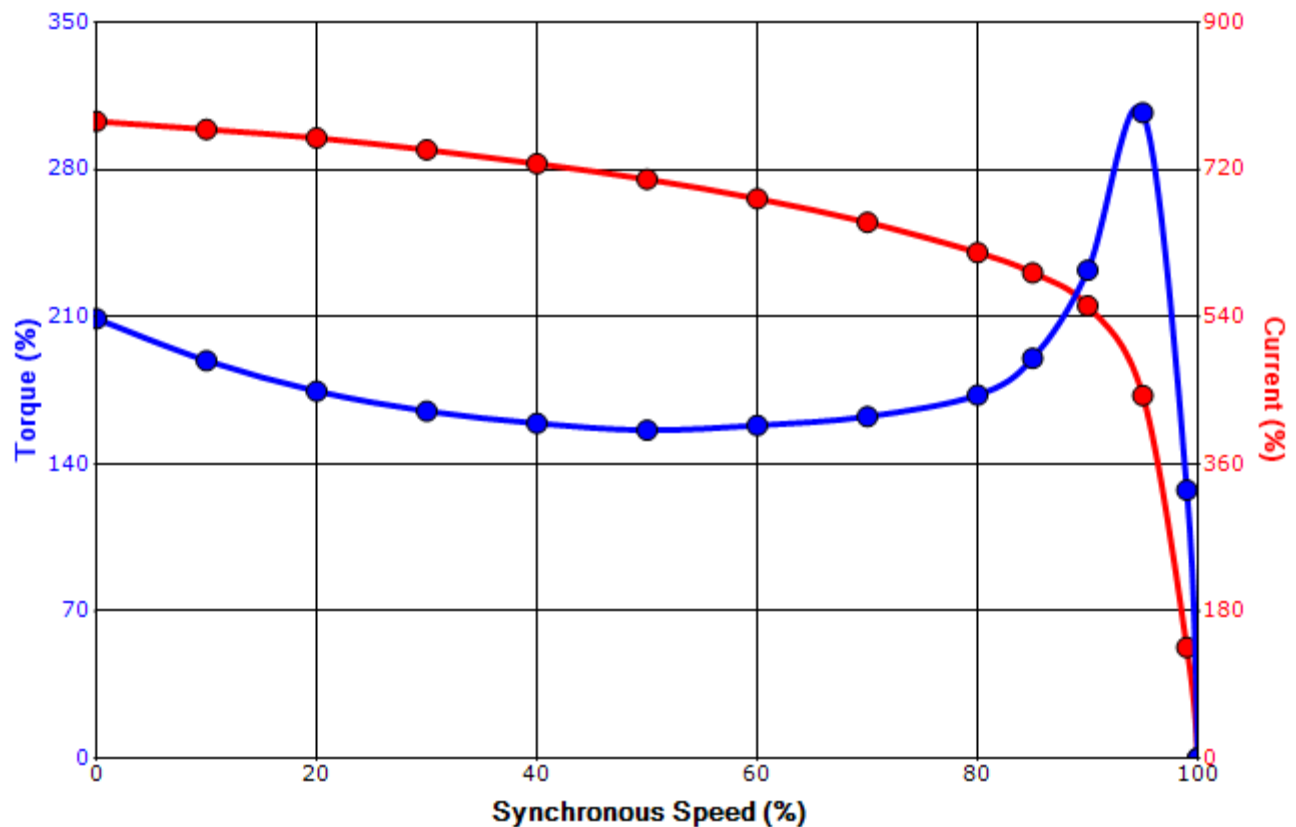
Engineering	bammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	3/8/2023	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 1506QDAB41A-PR

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	6	1190	S447T	460	60	3	184
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95.8	A		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
1433	123.74	662	205	160		305		

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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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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.