



AC Induction Motor Performance Data

Record # 34349

Typical performance - not guaranteed values

Winding: 06WGW970	Type: 0642M	Enclosure: TEBC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	2			Full Load Torque	9.01 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	6.4/3.2			Break Down Torque	31.2 LB-FT
R.P.M.	1165			Pull-Up Torque	16.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.9 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	20.9 Amps
Service Factor	1			No-load Current	1.84 Amps
NEMA Nom. Eff.	88.5	P.F.	68	Line-line Res. @ 25°C.	5.42 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	27°C
S.F. Amps				Temp. Rise @ S.F. Load	

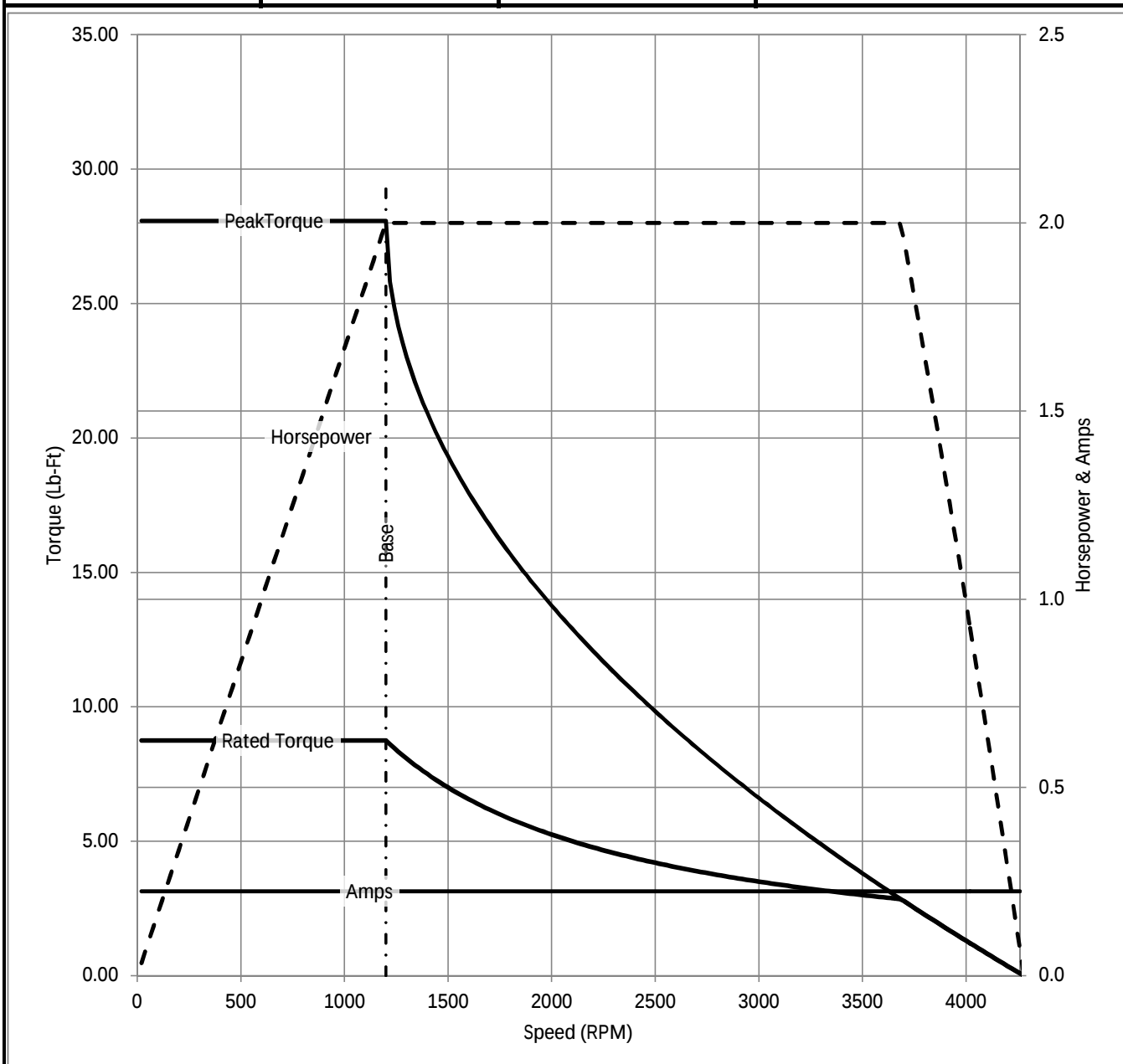
Load Characteristics at 460 Volts, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	48	60	68	73	75	
Efficiency	80.5	86.9	88.5	88.6	87.9	86.6	
Speed	1193.1	1186	1178.3	1170	1160.8	1150	
Line Amperes	1.97	2.26	2.67	3.14	3.68	4.33	

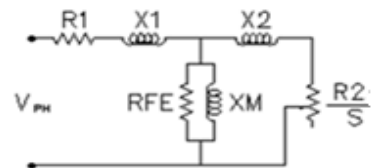
Baldor Electric Company Fort Smith, Arkansas

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Catalog	ZDM3664T	NP VOLTS	230/460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	184TC	NP AMPS	6.4/3.2	Base Volts	460	R1	2.510	X1	10.988
HP	2 HP	DUTY	Cont	Base AMPS	3.14	R2	2.350	X2	10.65
BASE SPEED	1200	MAX SAFE RPM	6000	Slip Hz	1.50			XM	138.471
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.395				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

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ISSUE DATE 2/27/2013