



AC Induction Motor Performance Data

Record # 515

Typical performance - not guaranteed values

Winding: 06WGW531	Type: 0640M	Enclosure: TENV
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	13.2/6.6			Break Down Torque	60 LB-FT
R.P.M.	1760			Pull-Up Torque	36 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	43 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	58 Amps
Service Factor	1			No-load Current	3.6 Amps
NEMA Nom. Eff.	89.5	P.F.	80	Line-line Res. @ 25°C.	2.11 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	98°C
S.F. Amps				Temp. Rise @ S.F. Load	

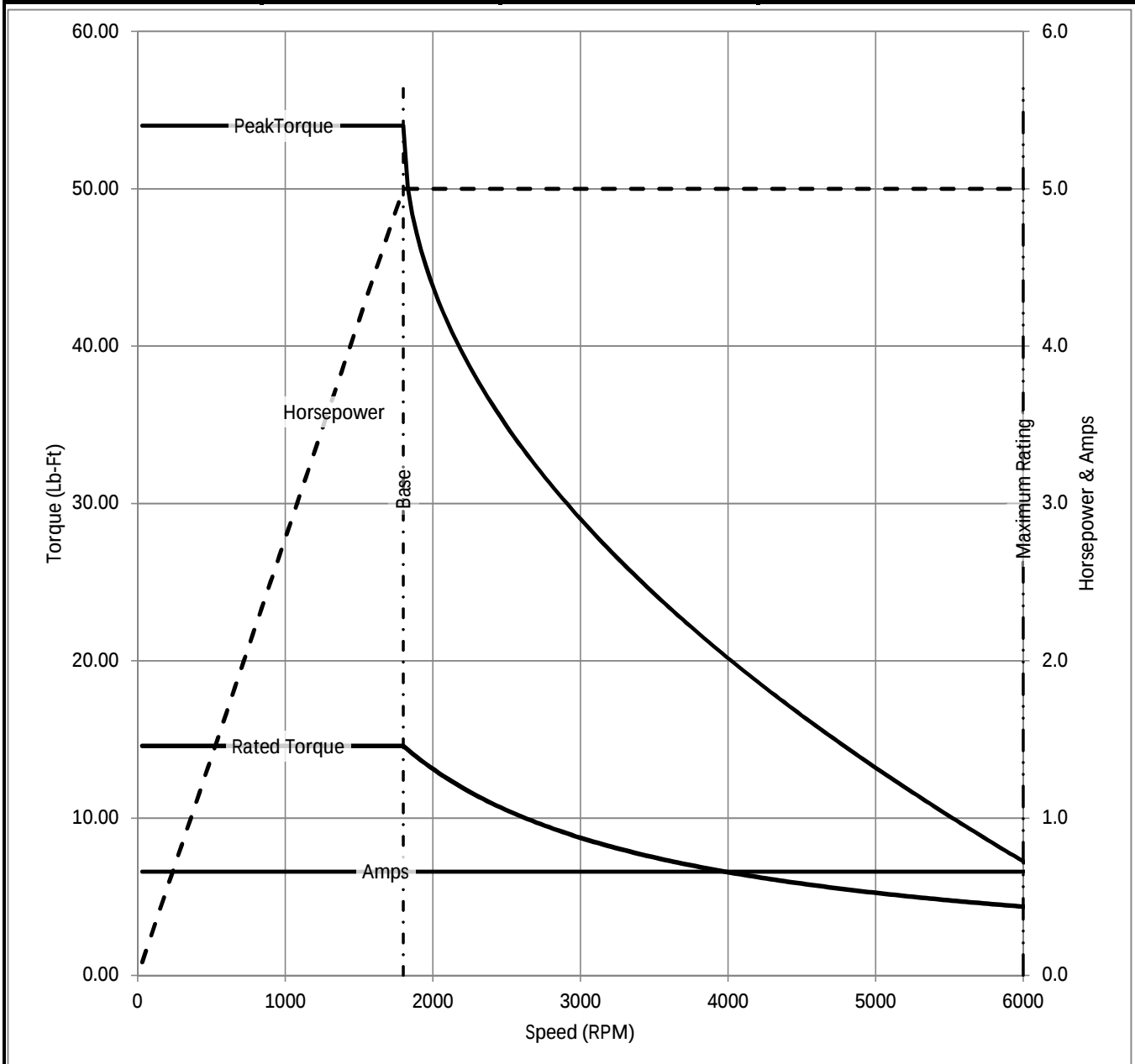
Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	72	79	83	86	
Efficiency	84.5	89.4	90.3	90	89	87.6	
Speed	1788	1777	1764	1751	1737	1721	
Line Amperes	3.8	4.5	5.5	6.6	7.9	9.3	

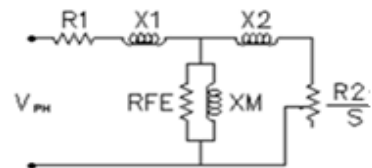
Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDNM3665T	NP VOLTS	230/460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	184TC	NP AMPS	13.2/6.6	Base Volts	460	R1	1.030	X1	2.430
HP	5 HP	DUTY	Cont	Base AMPS	6.6	R2	0.858	X2	1.895
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.63			XM	65.659
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.372				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

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ISSUE DATE 2/26/2013