



AC Induction Motor Performance Data

Record # 11782

Typical performance - not guaranteed values

Winding: 37WGT811	Type: 3732M	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	14.9 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	13.4/6.7			Break Down Torque	49.2 LB-FT
R.P.M.	1760			Pull-Up Torque	12.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	28.8 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	48.3 Amps
Service Factor	1			No-load Current	3.53 Amps
NEMA Nom. Eff.	89.5	P.F.	78	Line-line Res. @ 25°C.	1.73 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	83°C
S.F. Amps				Temp. Rise @ S.F. Load	

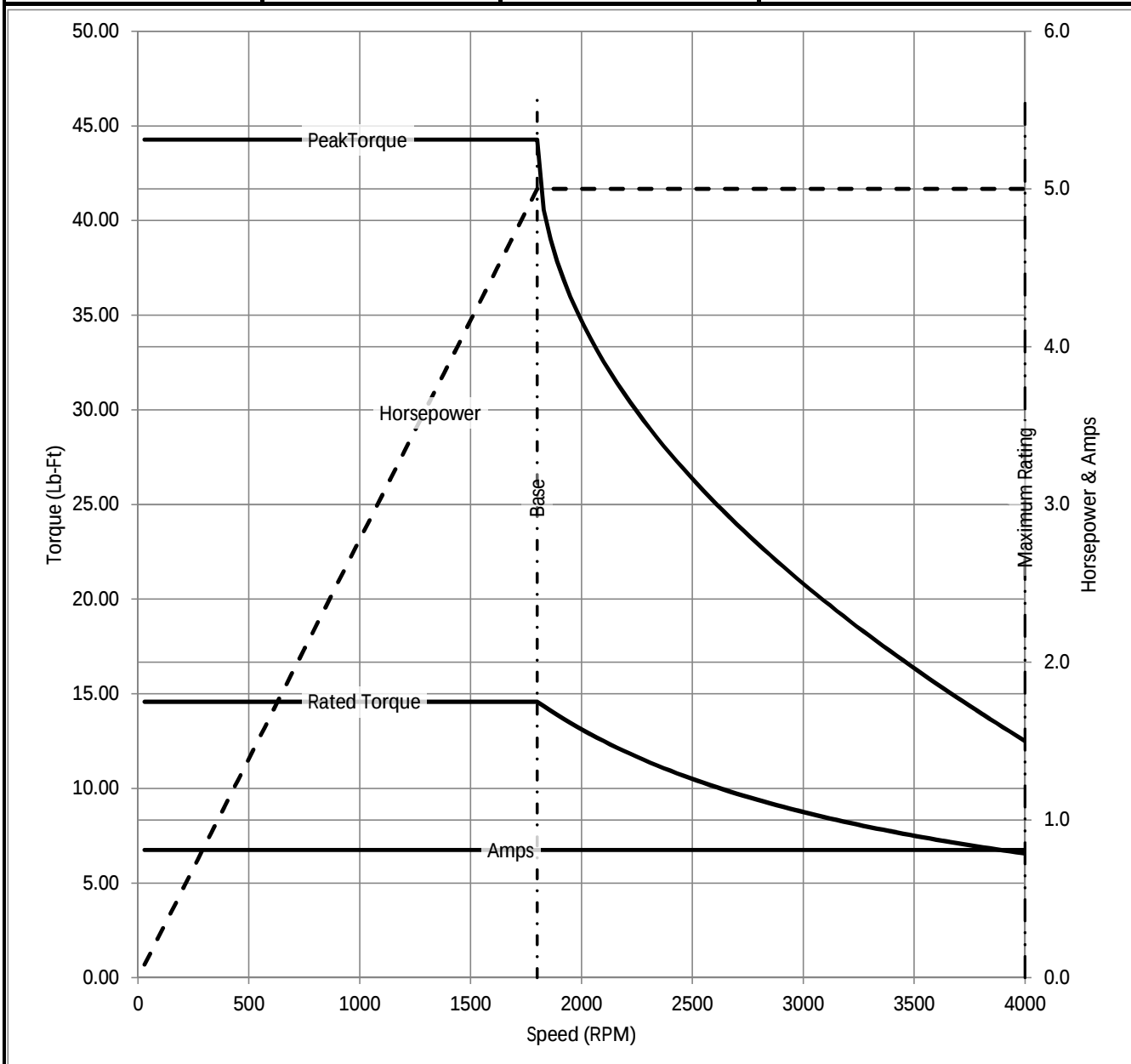
Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	59	71	77	81	82	
Efficiency	83.4	89	90.3	90.3	89.7	88.6	
Speed	1789	1781	1772	1764	1754	1743	
Line Amperes	3.84	4.55	5.54	6.75	8.11	9.66	

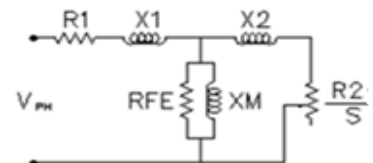
Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDWNM3707T	NP VOLTS	230/460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	213TC	NP AMPS	13.4/6.7	Base Volts	460	R1	0.818	X1	3.106
HP	5 HP	DUTY	Cont	Base AMPS	6.75	R2	0.511	X2	2.961
BASE SPEED	1800	MAX SAFE RPM	4000	Slip Hz	1.20			XM	70.827
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.79				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

37H312T811G1

ISSUE DATE 3/6/2013