

**AC Induction Motor Performance Data**

Record # 1828

Typical performance - not guaranteed values

Winding: 09WGX946	Type: 0948M	Enclosure: TENV
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	15			Full Load Torque	45 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	37/18.5			Break Down Torque	176 LB-FT
R.P.M.	1765			Pull-Up Torque	91 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	102 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	161 Amps
Service Factor	1			No-load Current	8.9 Amps
NEMA Nom. Eff.	94.1	P.F.	80	Line-line Res. @ 25°C.	0.464 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	89°C
S.F. Amps				Temp. Rise @ S.F. Load	

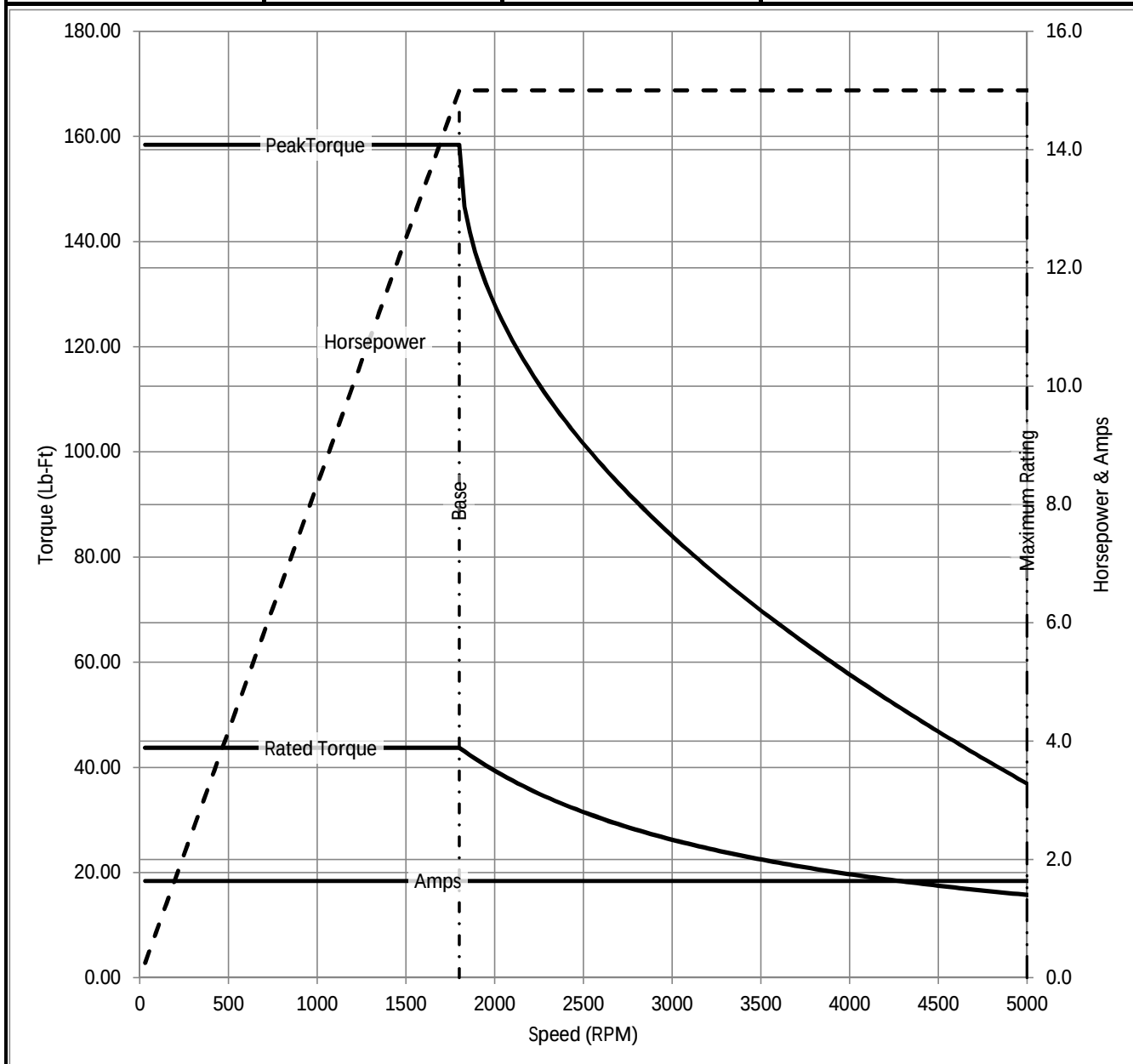
Load Characteristics at 460 Volts, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	63	74	81	84	86	
Efficiency	88.7	93	94	94.1	93.7	93.2	
Speed	1793	1787	1780	1771	1763	1755	
Line Amperes	9.9	12	15	18.4	22.2	26.3	

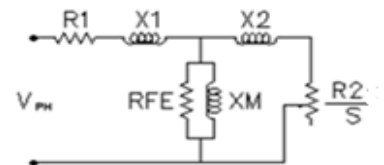
Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDNM2333T	NP VOLTS	230/460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	254TC	NP AMPS	37/18.5	Base Volts	460	R1	0.216	X1	0.904
HP	15 HP	DUTY	Cont	Base AMPS	18.4	R2	0.181	X2	1.094
BASE SPEED	1800	MAX SAFE RPM	5000	Slip Hz	0.97			XM	26.421
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	2.1				



Remarks: Calculated Data



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DATE 2/28/2013

A-C MOTOR
PERFORMANCE CURVES

09F278X946G1

ISSUE DATE 2/28/2013