

**AC Induction Motor Performance Data**

Record # 33866

Typical performance - not guaranteed values

Winding: 35WGZ542	Type: 3535M	Enclosure: XPFC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	2			Full Load Torque	5.88 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	5.6/2.8			Break Down Torque	24.6 LB-FT
R.P.M.	1760			Pull-Up Torque	17.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	25 Amps
Service Factor	1			No-load Current	1.54 Amps
NEMA Nom. Eff.	88.5	P.F.	76	Line-line Res. @ 25°C.	6.61 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	49°C
S.F. Amps				Temp. Rise @ S.F. Load	

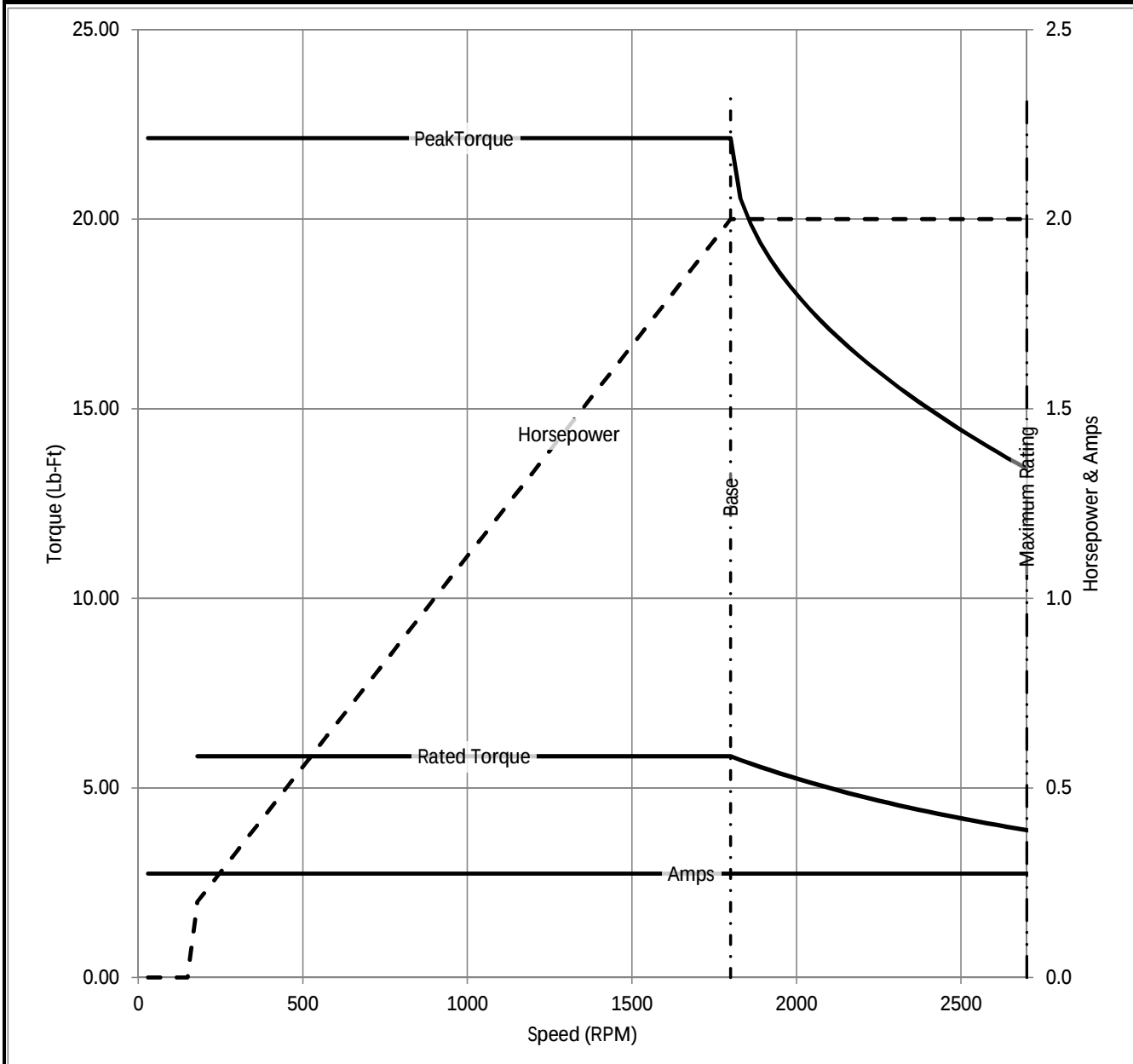
Load Characteristics at 460 Volts, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	69	76	80	84	
Efficiency	80.6	87.2	89.2	89	88.6	87.5	
Speed	1792	1783	1772	1761	1749	1737	
Line Amperes	1.65	1.91	2.29	2.74	3.27	3.82	

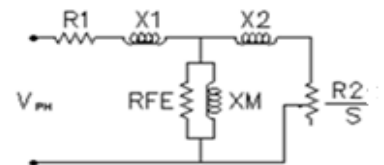
Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDXM7037T	NP VOLTS	230/460	ENCLOSURE	XPFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	145TC	NP AMPS	5.6/2.8	Base Volts	460	R1	3.240	X1	6.730
HP	2 HP	DUTY	Cont	Base AMPS	2.74	R2	2.100	X2	6.039
BASE SPEED	1800	MAX SAFE RPM	2700	Slip Hz	1.30			XM	163.482
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/F	WK ² (lb-ft ²)	0.207				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

35N256Z542G1

ISSUE DATE 3/6/2013