



AC Induction Motor Performance Data

Record # 38663

Typical performance - not guaranteed values

Winding: 36WGS719	Type: 3646M	Enclosure: TEFC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	5			Full Load Torque	15.2 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	13/6.5			Break Down Torque	49.7 LB-FT
R.P.M.	1750			Pull-Up Torque	27.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	32.3 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	48.3 Amps
Service Factor	1			No-load Current	2.91 Amps
NEMA Nom. Eff.	89.5	P.F.	81	Line-line Res. @ 25°C.	2.3457 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	87°C
S.F. Amps				Temp. Rise @ S.F. Load	

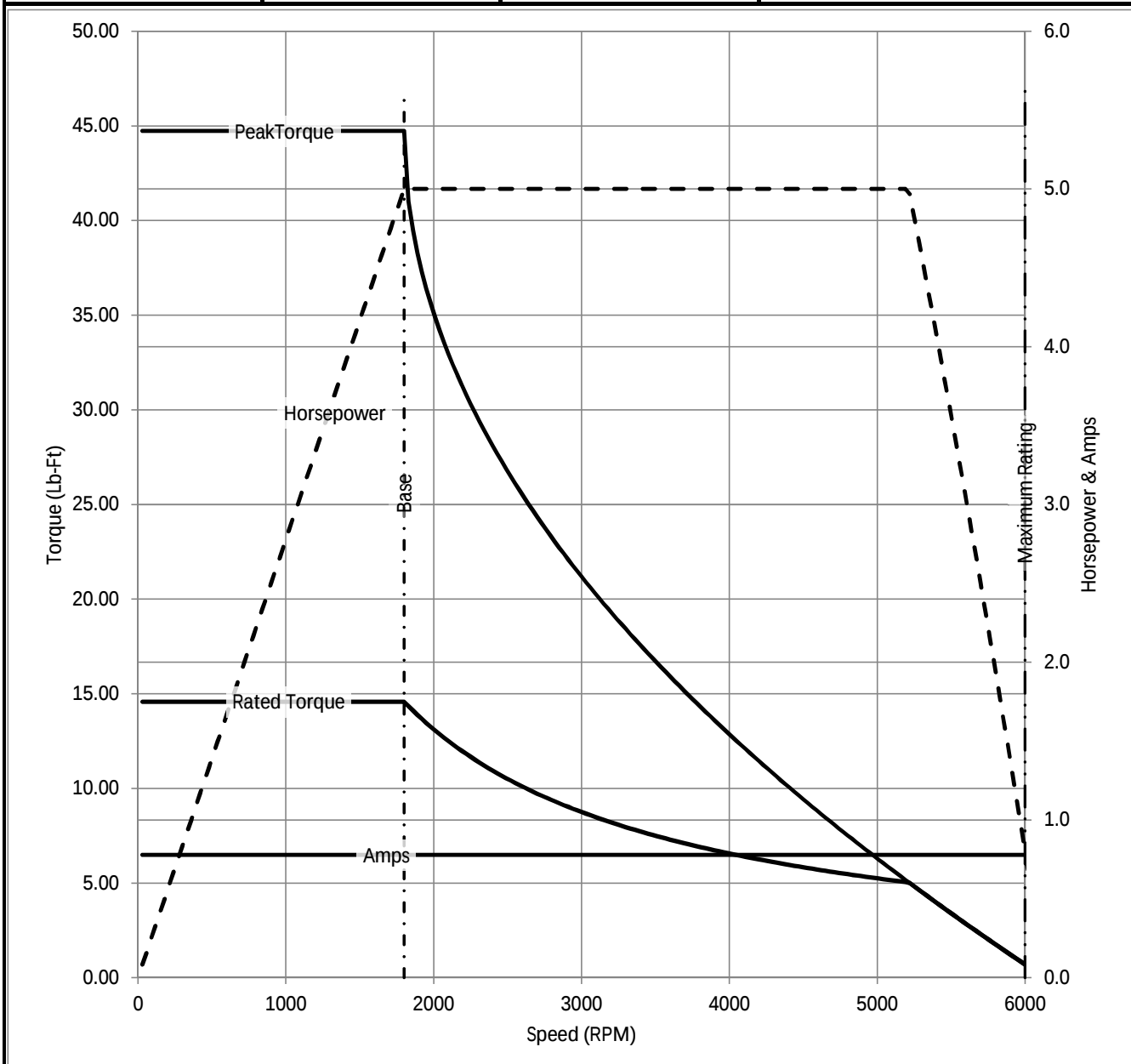
Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	81	83	84	
Efficiency	86.6	90.5	90.7	89.8	88.4	86.5	
Speed	1788.2	1775.9	1762.8	1747.9	1731.9	1713.7	
Line Amperes	3.27	4.1	5.2	6.49	8.02	9.69	

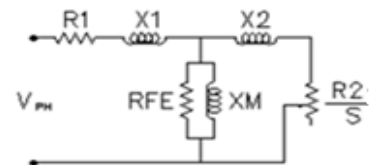
Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDCSWDM3615T	NP VOLTS	230/460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	184TC	NP AMPS	13/6.5	Base Volts	460	R1	1.140	X1	3.646
HP	5 HP	DUTY	Cont	Base AMPS	6.49	R2	0.901	X2	3.239
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.73			XM	84.471
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.428				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

36K201S719G1

ISSUE DATE 3/6/2013