



## AC Induction Motor Performance Data

Record # 36456

Typical performance - not guaranteed values

<b>Winding:</b> 05WGX014	<b>Type:</b> 0524M	<b>Enclosure:</b> TEBC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	3/1.5			Break Down Torque	15.8 LB-FT
R.P.M.	1765			Pull-Up Torque	9.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	15 Amps
Service Factor	1			No-load Current	1.02 Amps
NEMA Nom. Eff.	87.5	P.F.	70	Line-line Res. @ 25°C.	12 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	21°C
S.F. Amps				Temp. Rise @ S.F. Load	

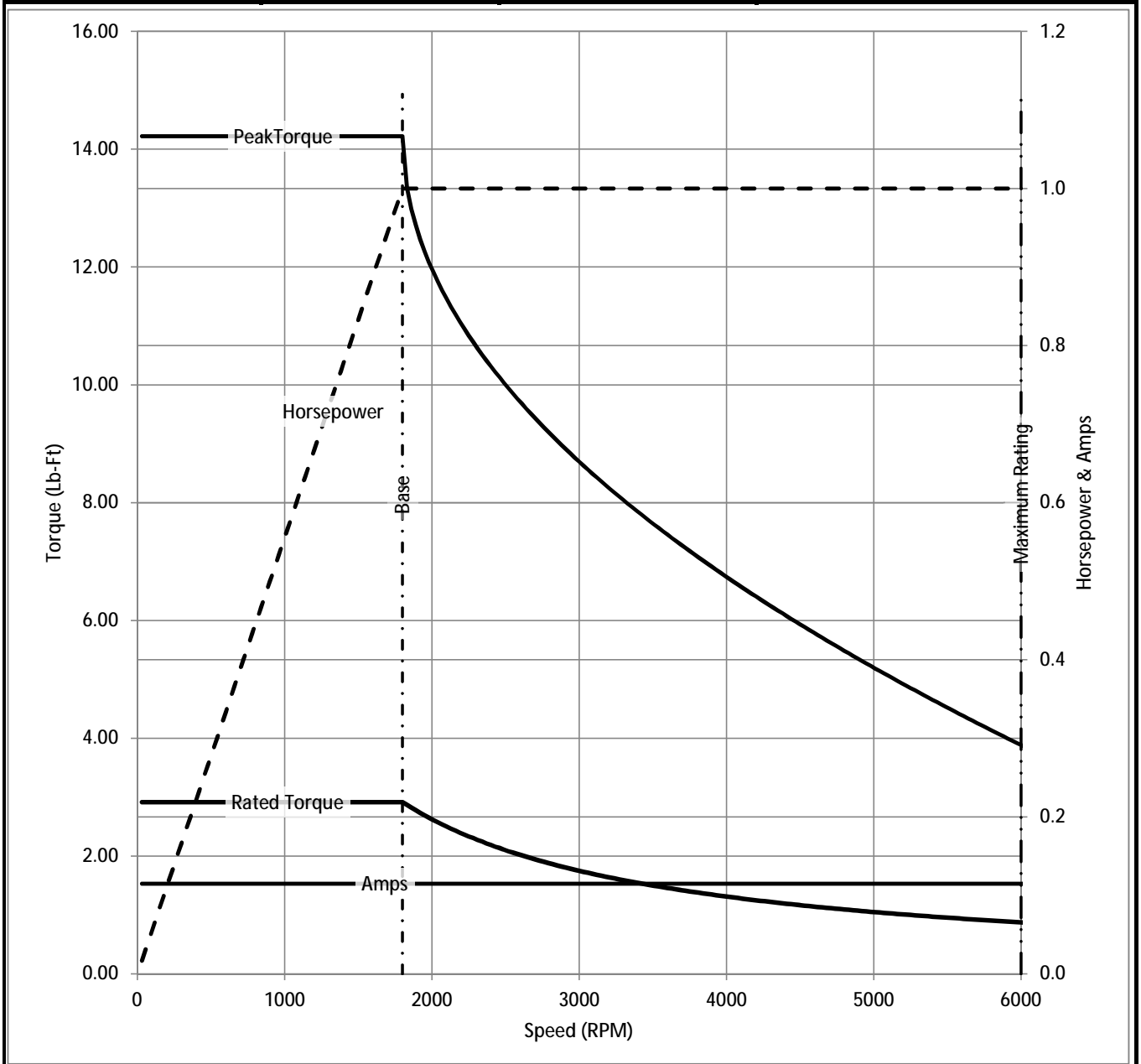
## Load Characteristics at 460 Volts, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	48	60	70	76	81	
Efficiency	74.2	83.6	86.7	87.9	87.4	87.1	
Speed	1793	1785	1778	1770	1761	1753	
Line Amperes	1.07	1.18	1.33	1.53	1.76	2	

Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDM3581T	NP VOLTS	230/460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	143TC	NP AMPS	3/1.5	Base Volts	460	R1	5.850	X1	11.127
HP	1 HP	DUTY	Cont	Base AMPS	1.53	R2	3.540	X2	9.285
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.00			XM	254.657
PHASE/HZ	3/60	AMB <sup>0</sup> C/INSUL	40/H	WK <sup>2</sup> (lb-ft <sup>2</sup> )	0.142				



Remarks: Calculated Data

