



AC Induction Motor Performance Data

Record # 36548

Typical performance - not guaranteed values

Winding: 35WGP562	Type: 3528M	Enclosure: TEFC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	2			Full Load Torque	6.01 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	5.8/2.9			Break Down Torque	24.6 LB-FT
R.P.M.	1750			Pull-Up Torque	12.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.9 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.7 Amps
Service Factor	1			No-load Current	1.72 Amps
NEMA Nom. Eff.	86.5	P.F.	75	Line-line Res. @ 25°C.	7.66 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C

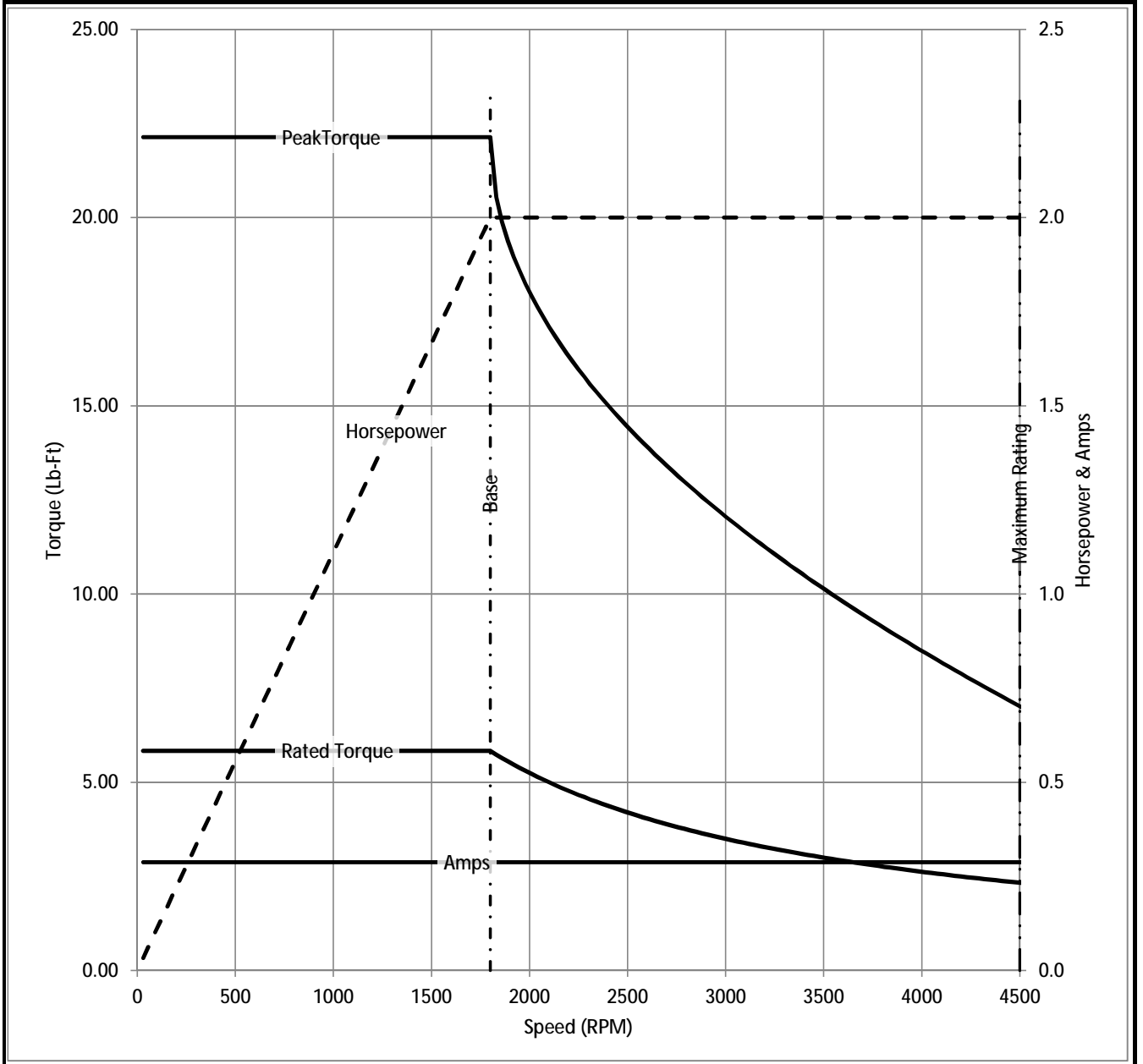
Load Characteristics at 460 Volts, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	75	80	84	
Efficiency	77.7	85.4	86.9	86.6	85.8	84.2	
Speed	1789	1778	1765	1751	1737	1721	
Line Amperes	1.8	2.04	2.39	2.88	3.39	4.01	

Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDCSWDM3558	NP VOLTS	230/460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	56C	NP AMPS	5.8/2.9	Base Volts	460	R1	3.760	X1	6.966
HP	2 HP	DUTY	Cont	Base AMPS	2.88	R2	2.280	X2	5.995
BASE SPEED	1800	MAX SAFE RPM	4500	Slip Hz	1.63			XM	147.936
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.165				



Remarks: Calculated Data

