



AC Induction Motor Performance Data

Record # 418

Typical performance - not guaranteed values

Winding: 06WGW358	Type: 0628M	Enclosure: TEFC
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Nameplate Data				General Characteristics at 575 V, 60 Hz: Single Volt Motor	
Rated Output (HP)	3			Full Load Torque	9 LB-FT
Volts	575			Start Configuration	DOL
Full Load Amps	3.2			Break Down Torque	31 LB-FT
R.P.M.	1760			Pull-Up Torque	16.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	22 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	26 Amps
Service Factor	1.00			No-load Current	1.8 Amps
NEMA Nom. Eff.	89.5	P.F.	80	Line-line Res. @ 25°C.	6.6 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	41°C
S.F. Amps				Temp. Rise @ S.F. Load	

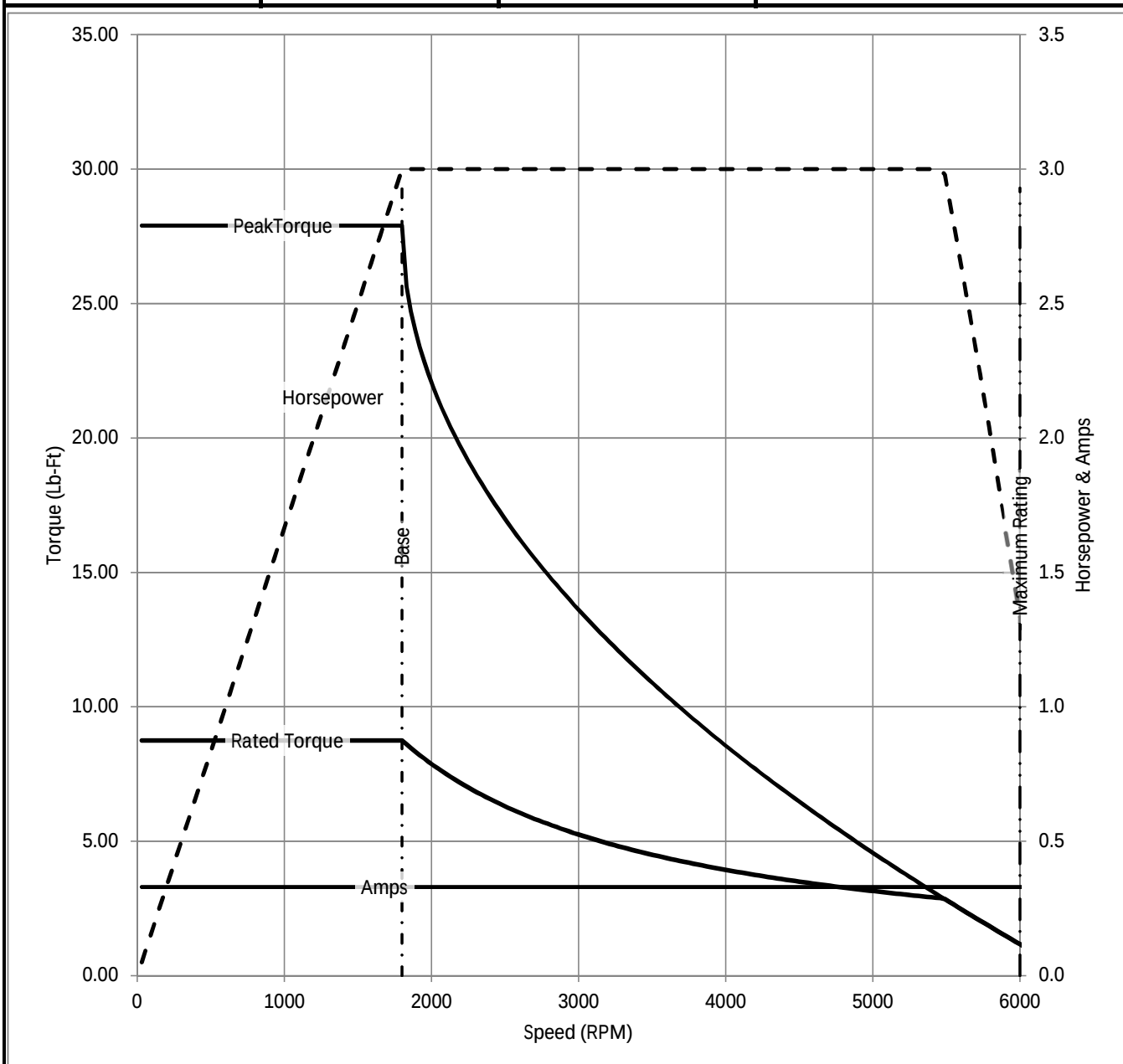
Load Characteristics at 575 Volts, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	71	77	81	83	
Efficiency	84	89.1	90	89.7	88.7	87.3	
Speed	1788	1778	1767	1756	1743	1729	
Line Amperes	1.8	2.2	2.7	3.3	3.9	4.6	

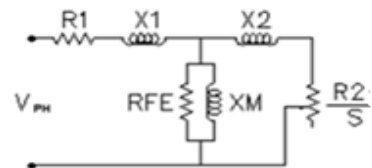
Baldor Electric Company Fort Smith, Arkansas

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Catalog	ZDM3661T-5	NP VOLTS	575	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	182TC	NP AMPS	3.2	Base Volts	575	R1	3.230	X1	8.041
HP	3 HP	DUTY	Cont	Base AMPS	3.3	R2	2.100	X2	6.68
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.47			XM	193.292
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.263				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

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