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AC Induction Motor Performance Data

Record # 20660
Typical performance - not guaranteed values

Winding: 06WGW357	**Type:** 0640M	**Enclosure:** TEBC

Nameplate Data				General Characteristics at 575 V, 60 Hz: Single Volt Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	575			Start Configuration	DOL
Full Load Amps	5.2			Break Down Torque	50 LB-FT
R.P.M.	1750			Pull-Up Torque	30 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	32 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	38 Amps
Service Factor	1.00			No-load Current	2.7 Amps
NEMA Nom. Eff.	90.2	P.F.	80	Line-line Res. @ 25°C.	3.86 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	

Load Characteristics at 575 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	61	75	82	86	88	
Efficiency	84.1	89.4	90.4	90.2	89.4	88.3	
Speed	1789	1778	1767	1755	1742	1729	
Line Amperes	2.9	3.4	4.2	5.1	5.8	7.2	

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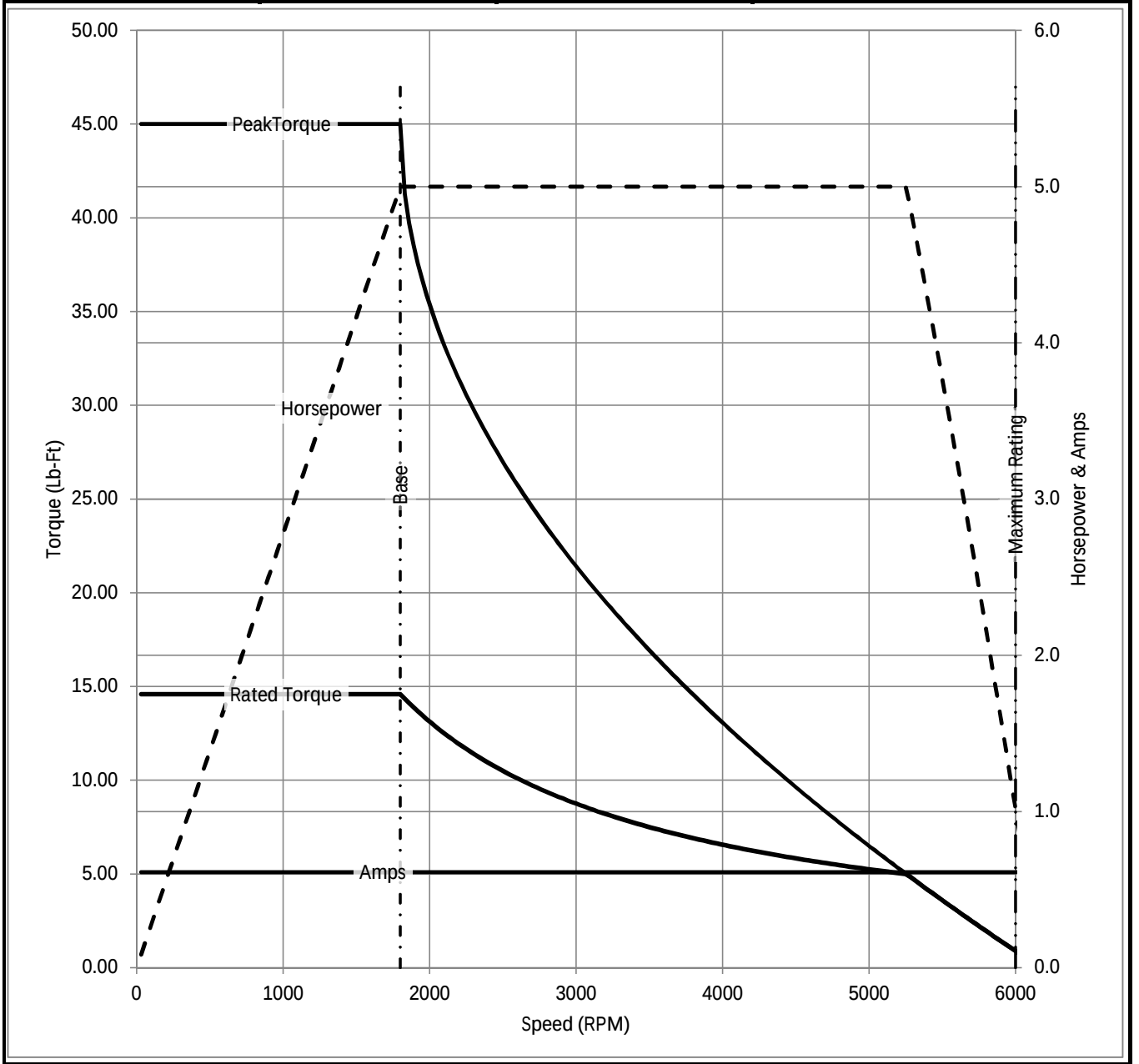
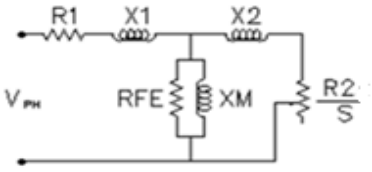
Catalog	ZDM3665T-5	NP VOLTS	575	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)		
FRAME	184TC	NP AMPS	5.2	Base Volts	575	R1	1.890	X1	4.353
HP	5 HP	DUTY	Cont	Base AMPS	5.1	R2	1.530	X2	3.402
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.50			XM	122.943
PHASE/HZ	3/60	AMB^{0}C/INSUL	40/H	WK^2 (lb-ft^2)	0.372				



Remarks: Calculated Data



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DR BY ENR
CK BY
APP BY ENR
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A-C MOTOR
PERFORMANCE CURVES

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