



AC Induction Motor Performance Data

Record # 20681

Typical performance - not guaranteed values

Winding: 07WGW202	Type: 0735M	Enclosure: TENV
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	5			Full Load Torque	14.9 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	13.4/6.7			Break Down Torque	52 LB-FT
R.P.M.	1760			Pull-Up Torque	44 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	48 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	48 Amps
Service Factor	1			No-load Current	3.4 Amps
NEMA Nom. Eff.	89.5	P.F.	78	Line-line Res. @ 25°C.	1.74 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	92°C
S.F. Amps				Temp. Rise @ S.F. Load	

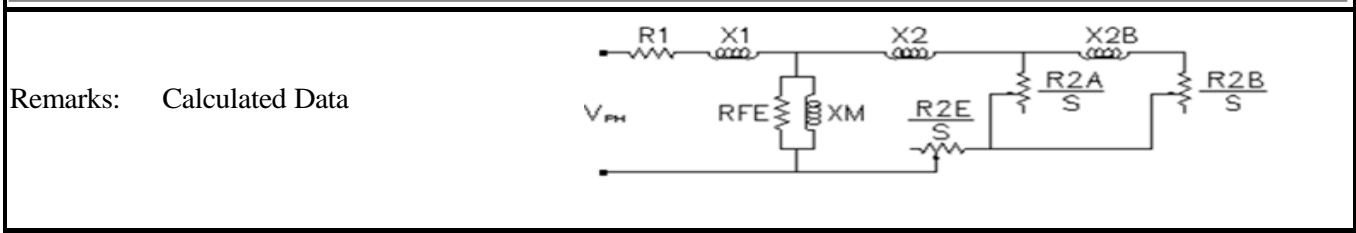
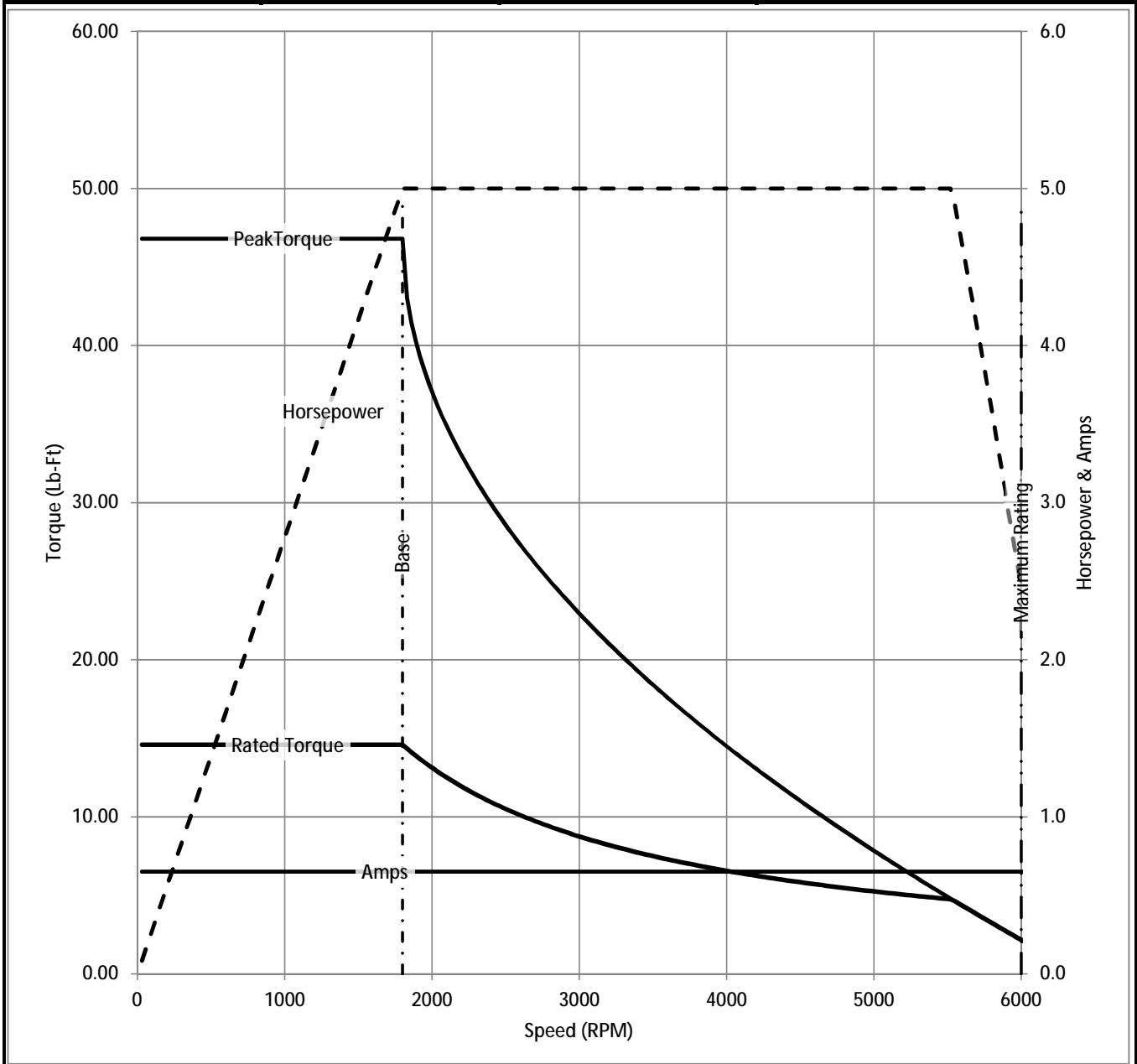
Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	73	80	84	86	
Efficiency	82.4	88.5	90.1	90.3	90	89.3	
Speed	1791	1783	1775	1766	1756	1746	
Line Amperes	3.7	4.4	5.4	6.5	7.8	9.2	

Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDNM3767T	NP VOLTS	230/460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	213TC	NP AMPS	13.4/6.7	Base Volts	460	R1	0.852	X1	2.720
HP	5 HP	DUTY	Cont	Base AMPS	6.5	R2	2.280	X2	1.679
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.13	R2B	0.598	X2B	2.825
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	0.734	R2E	0.175	XM	73.662



 BALDOR A MEMBER OF THE ABB GROUP	DR BY	<u>ENR</u>	A-C MOTOR PERFORMANCE CURVES 07J135W202G2
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