

**AC Induction Motor Performance Data**

Record # 1989

Typical performance - not guaranteed values

Winding: 09WGY402	Type: 0948M	Enclosure: TENV
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	10			Full Load Torque	29.8 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	26/13			Break Down Torque	133 LB-FT
R.P.M.	1770			Pull-Up Torque	54.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	71.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	106 Amps
Service Factor	1			No-load Current	5.6 Amps
NEMA Nom. Eff.	91.7	P.F.	78	Line-line Res. @ 25°C.	0.684 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps				Temp. Rise @ S.F. Load	

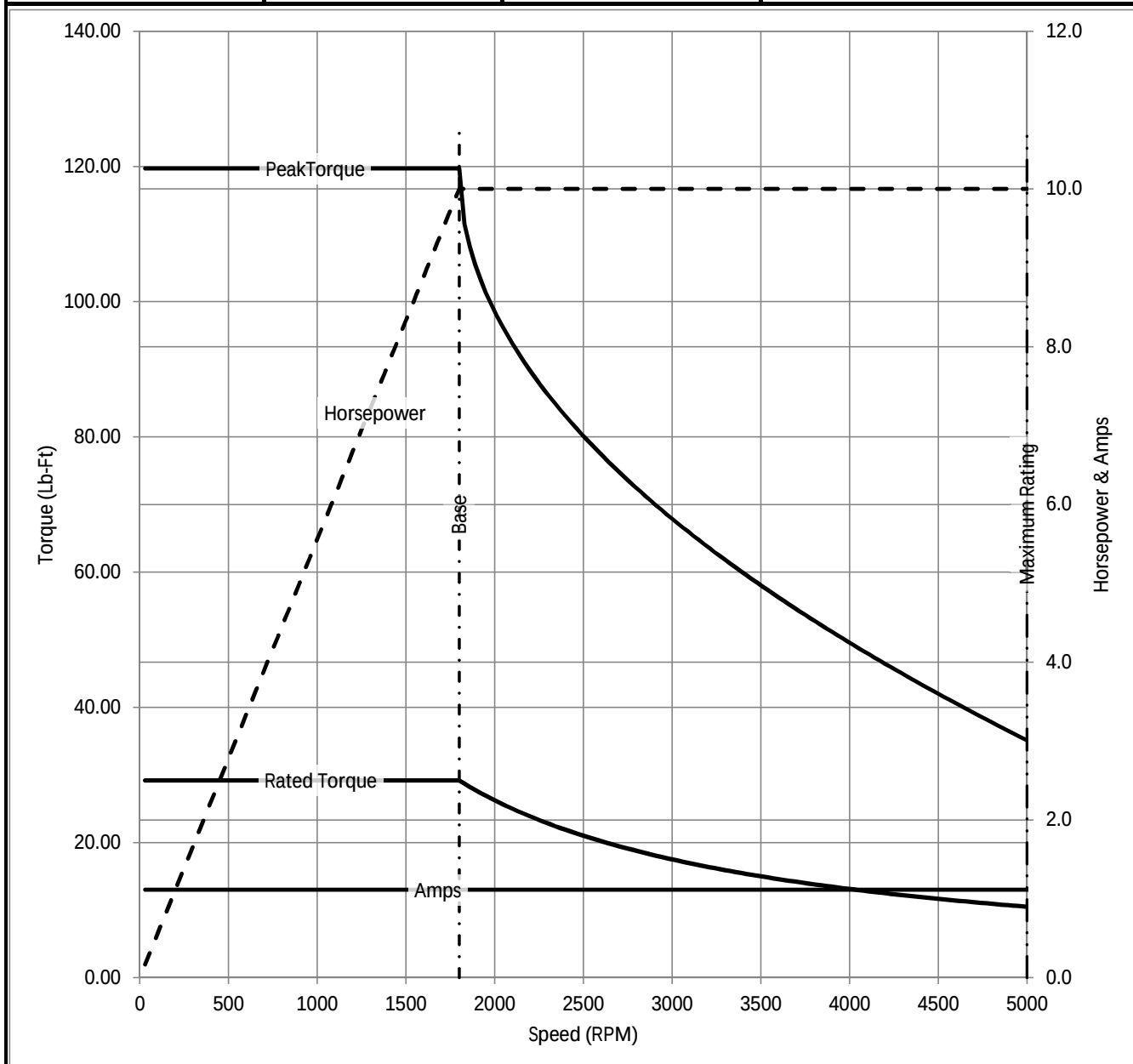
Load Characteristics at 460 Volts, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	61	73	78	81	82	
Efficiency	87	91.2	92.3	92.2	91.7	90.8	
Speed	1793	1787	1780	1773	1766	1757	
Line Amperes	6.58	8.12	10.4	13	15.7	18.8	

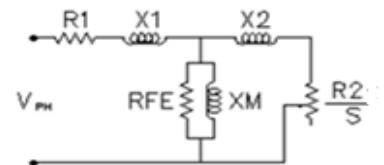
Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDNM2238T	NP VOLTS	230/460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	256TC	NP AMPS	26/13	Base Volts	460	R1	0.332	X1	1.364
HP	10 HP	DUTY	Cont	Base AMPS	13	R2	0.268	X2	1.646
BASE SPEED	1800	MAX SAFE RPM	5000	Slip Hz	0.90			XM	45.205
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/H	WK ² (lb-ft ²)	2.1				



Remarks: Calculated Data



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A-C MOTOR
PERFORMANCE CURVES

09F278Y402G1

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