



## AC Induction Motor Performance Data

Record # 36475

Typical performance - not guaranteed values

<b>Winding:</b> 06WGW352	<b>Type:</b> 0640M	<b>Enclosure:</b> XPFC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	13/6.5			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	48 Amps
Service Factor	1			No-load Current	3.4 Amps
NEMA Nom. Eff.	89.5	P.F.	80	Line-line Res. @ 25°C.	2.45 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	

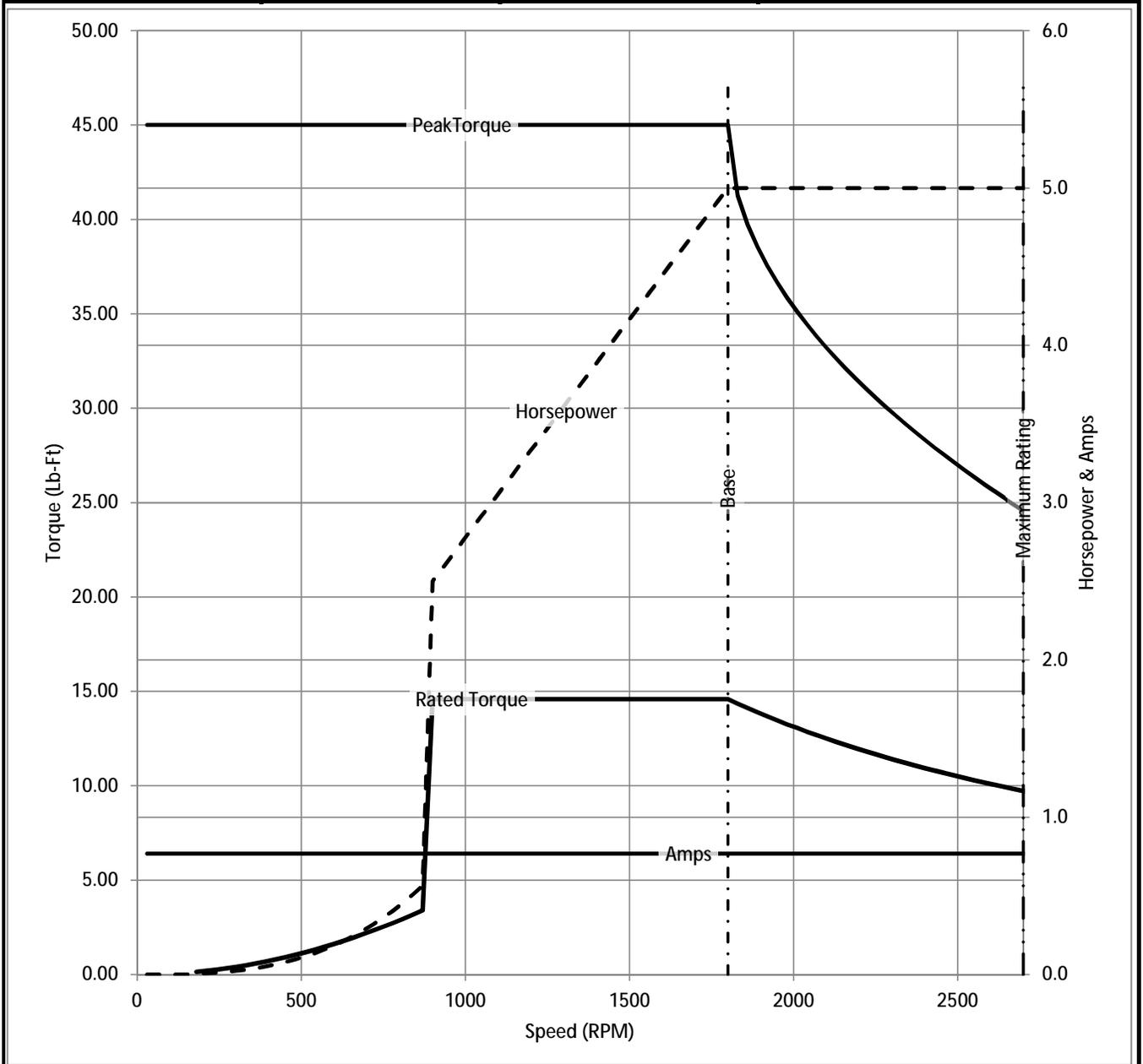
## Load Characteristics at 460 Volts, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	62	75	81	90	87	
Efficiency	84.1	89.4	90.8	90.2	89.7	88.3	
Speed	1789	1778	1767	1755	1742	1729	
Line Amperes	3.6	4.3	5.2	6.4	7.2	9	

Baldor Electric Company Fort Smith, Arkansas

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Catalog	IDXM7144T	NP VOLTS	230/460	ENCLOSURE	XPFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
FRAME	184TC	NP AMPS	13/6.5	Base Volts	460	R1	1.200	X1	2.786
HP	5 HP	DUTY	Cont	Base AMPS	6.4	R2	0.977	X2	2.177
BASE SPEED	1800	MAX SAFE RPM	2700	Slip Hz	1.50			XM	78.683
PHASE/HZ	3/60	AMB <sup>0</sup> C/INSUL	40/F	WK <sup>2</sup> (lb-ft <sup>2</sup> )	0.372				



Remarks: Calculated Data

The circuit diagram shows a wye connection. It includes three resistors R1, X1, and X2 in the top line. A branch contains a resistor RFE and a reactance XM in parallel. The bottom line contains a resistor R2/S.