

AC induction motor performance data

Record #85768 - Typical performance - not guaranteed values

Winding	36WGA0034
Type	3634M
Enclosure	PART

Nameplate data

Rated Output			7.5
Volts			230/460
Full Load Amps			22.2/11.1
R.P.M.			1745
Hz	60	Phase	3
KVA Code			H
S.F.			1.15
NEMA Nom. Eff.	91.7	Power Factor	67
Duty			15 MIN
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	22.68 LB-FT
Start Configuration	direct on line
Breakdown Torque	71.3 LB-FT
Pull-up Torque	38.66 LB-FT
Locked-rotor Torque	45.66 LB-FT
Starting Current	65.32 A
No-load Current	7.43
Line-line Res. @ 25°C	2.17 Ω
Temp. Rise @ Rated Load	80°C
Temp. Rise @ S.F. Load	123°C
Locked-rotor Power Factor	50.7
Rotor inertia	0.317 lb-ft ²

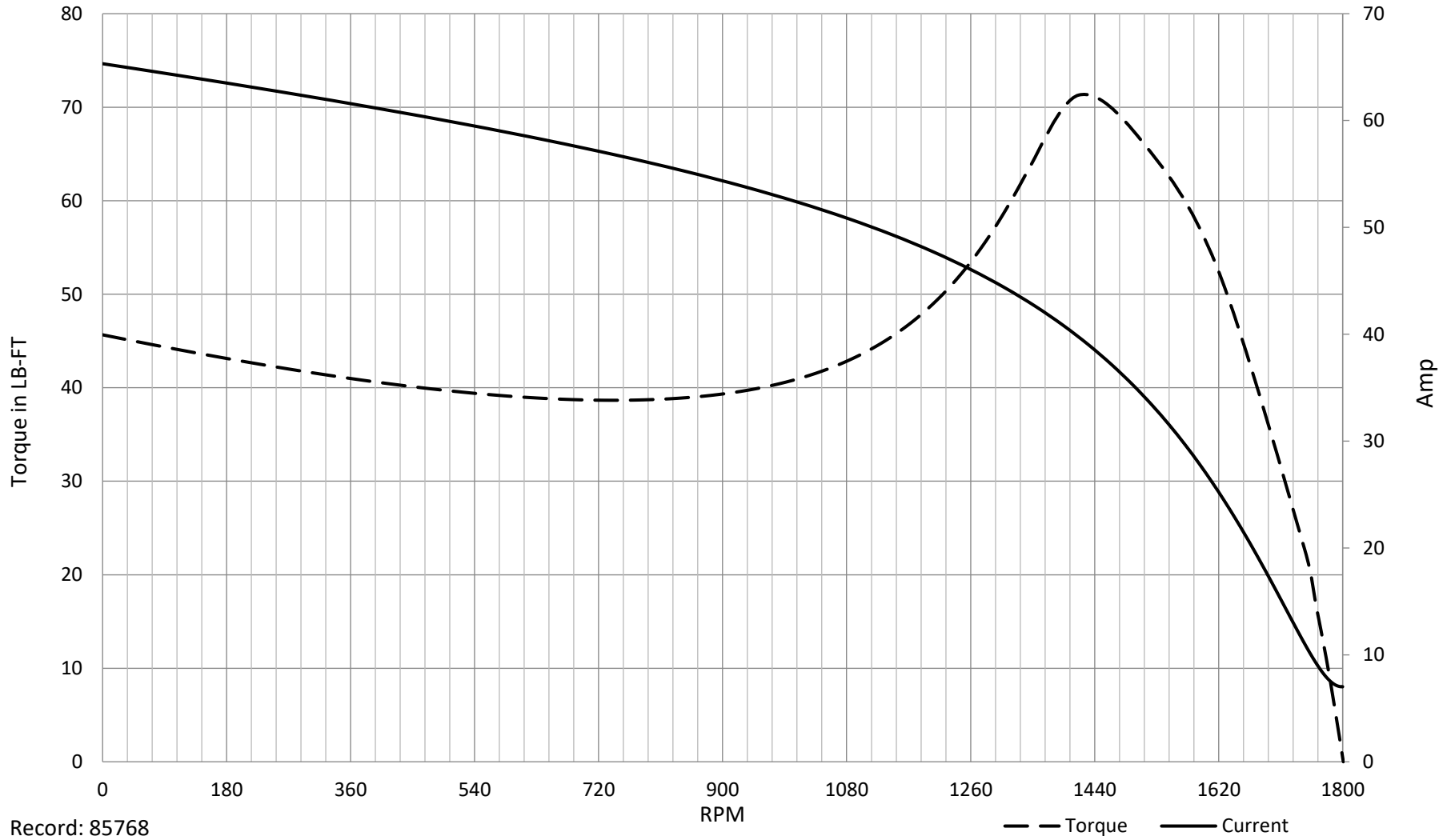
Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	3	24	44	58	67	73	77	71
Efficiency	0	96.6	98.7	97.2	94.5	91.6	85.3	92.8
Speed	1801	1789	1776	1761	1745	1727	1703	1734
Line amperes	7.43	7.49	8.13	9.43	11.09	13.19	16.16	12.3

SPEED TORQUE / SPEED CURRENT CURVES



36WGA0034
7.5HP 460V 60HZ



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--- Torque — Current