

AC induction motor performance data

Record #85935 - Typical performance - not guaranteed values

Winding	09WGA0212
Type	0954M
Enclosure	PART

Nameplate data

Rated Output			40
Volts			230/460
Full Load Amps			100/50
R.P.M.			1755
Hz	60	Phase	3
KVA Code			F
S.F.			1.15
NEMA Nom. Eff.	93	Power Factor	80
Duty			15 MIN
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	119 LB-FT
Start Configuration	direct on line
Breakdown Torque	362 LB-FT
Pull-up Torque	159 LB-FT
Locked-rotor Torque	184 LB-FT
Starting Current	271 A
No-load Current	22.48
Line-line Res. @ 25°C	0.253 Ω
Temp. Rise @ Rated Load	80°C
Temp. Rise @ S.F. Load	99°C
Locked-rotor Power Factor	34.6
Rotor inertia	2.35 lb-ft ²

Load Characteristics 460 V, 60 Hz, 40 HP

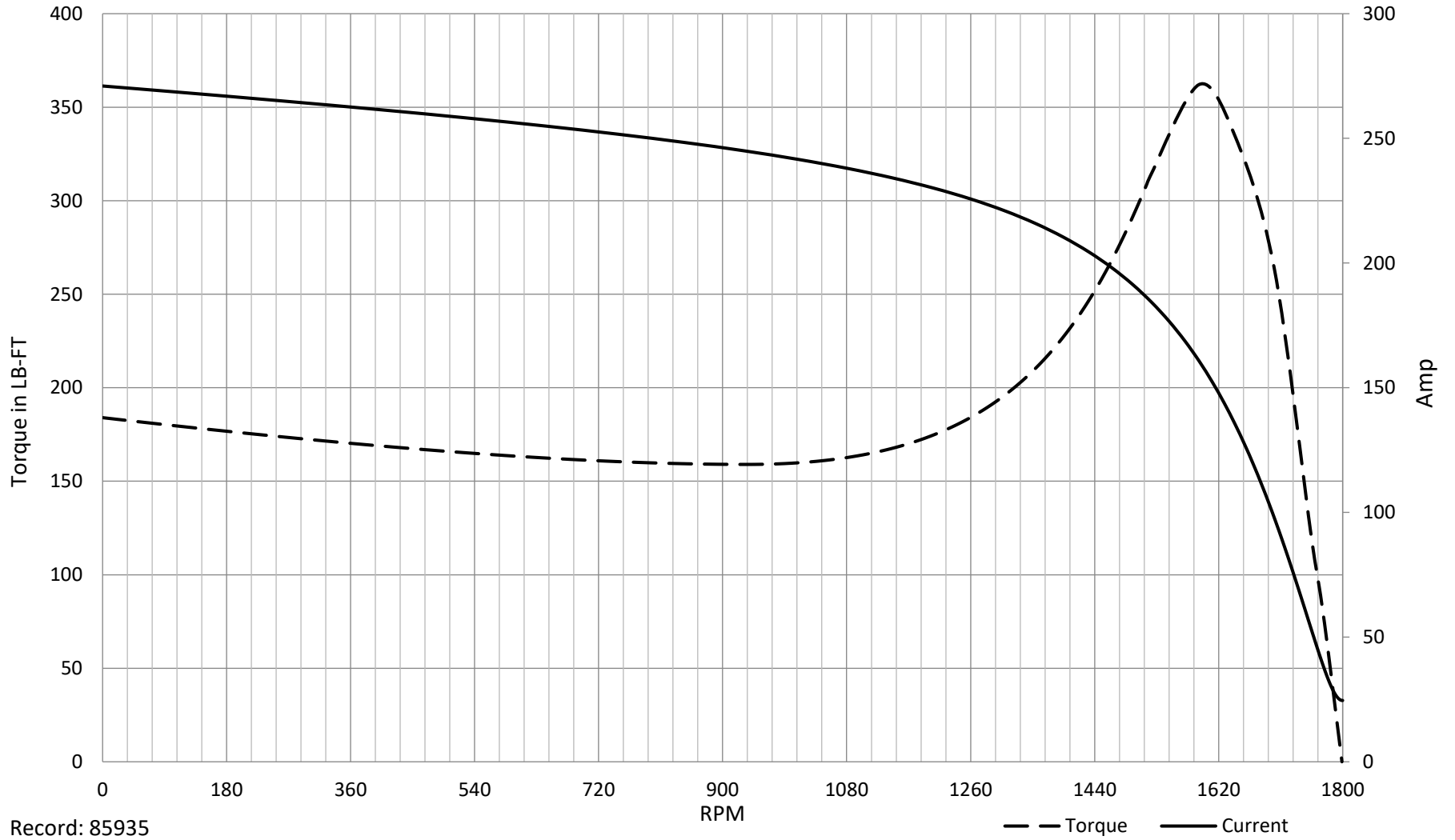
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	3	41	65	75	80	82	81	81
Efficiency	0	90.4	93.2	93.5	93	92.1	91	92.5
Speed	1799	1789	1779	1768	1755	1741	1726	1747
Line amperes	22.48	25.15	31.2	40.07	50.28	62.12	75.57	57.4

SPEED TORQUE / SPEED CURRENT CURVES



09WGA0212

40HP 460V 60HZ



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--- Torque — Current