

AC induction motor performance data

Record #78367 - Typical performance - not guaranteed values

Winding	09WGA0123
Type	0946M
Enclosure	XPNV

Nameplate data

Rated Output				15
Volts				230/460
Full Load Amps				42/21
R.P.M.				1170
Hz	60	Phase		3
KVA Code				G
S.F.				1.15
NEMA Nom. Eff.	88.5	Power Factor		74
Duty				CONT
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	67.1 LB-FT
Start Configuration	direct on line
Breakdown Torque	170 LB-FT
Pull-up Torque	78.2 LB-FT
Locked-rotor Torque	106 LB-FT
Starting Current	115 A
No-load Current	10.36
Line-line Res. @ 25°C	0.784 Ω
Temp. Rise @ Rated Load	49°C
Temp. Rise @ S.F. Load	62°C
Locked-rotor Power Factor	27.8
Rotor inertia	3.7 LB-FT ²

Load Characteristics 460 V, 60 Hz, 15 HP

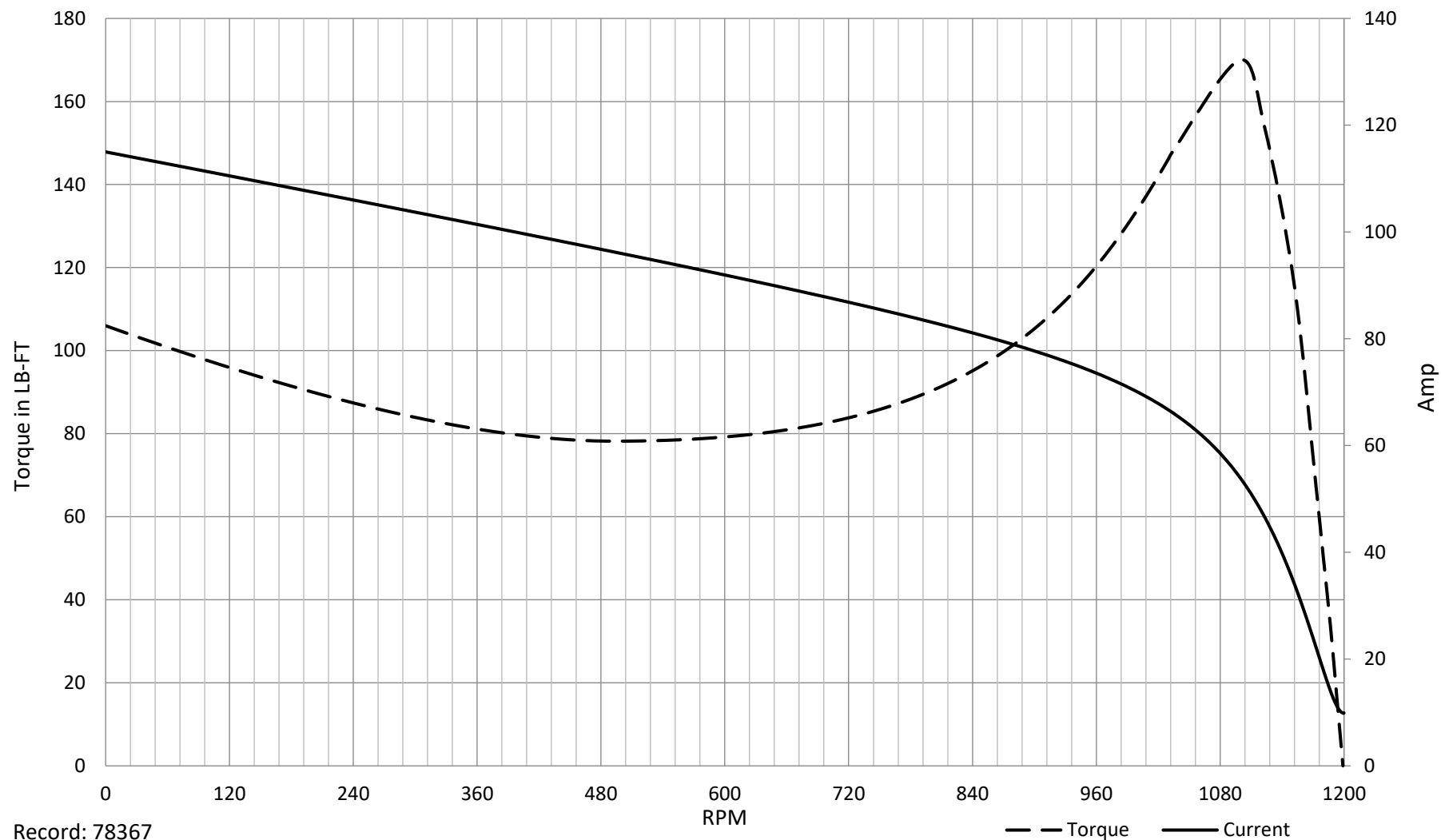
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	36	56	66	71	72	71	72
Efficiency	0	85.4	89.8	90.1	89.6	87.9	85.5	88.6
Speed	1199	1193	1187	1180	1173	1162	1151	1166
Line amperes	10.36	11.45	13.94	17.7	21.99	27.45	34.1	25.3

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

09WGA0123

15HP 460V 60HZ



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