

AC induction motor performance data

Record #85958 - Typical performance - not guaranteed values

Winding	12WGA0158
Type	1240M
Enclosure	XPNV

Nameplate data

Rated Output				30
Volts				460
Full Load Amps				82/41
R.P.M.				1175
Hz	60	Phase		3
KVA Code				G
S.F.				1.15
NEMA Nom. Eff.	91	Power Factor		75
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	133 LB-FT
Start Configuration	direct on line
Breakdown Torque	294 LB-FT
Pull-up Torque	134 LB-FT
Locked-rotor Torque	175 LB-FT
Starting Current	214 A
No-load Current	19.44
Line-line Res. @ 25°C	0.326 Ω
Temp. Rise @ Rated Load	21°C
Temp. Rise @ S.F. Load	26°C
Locked-rotor Power Factor	30
Rotor inertia	7.66 lb-ft ²

Load Characteristics 460 V, 60 Hz, 30 HP

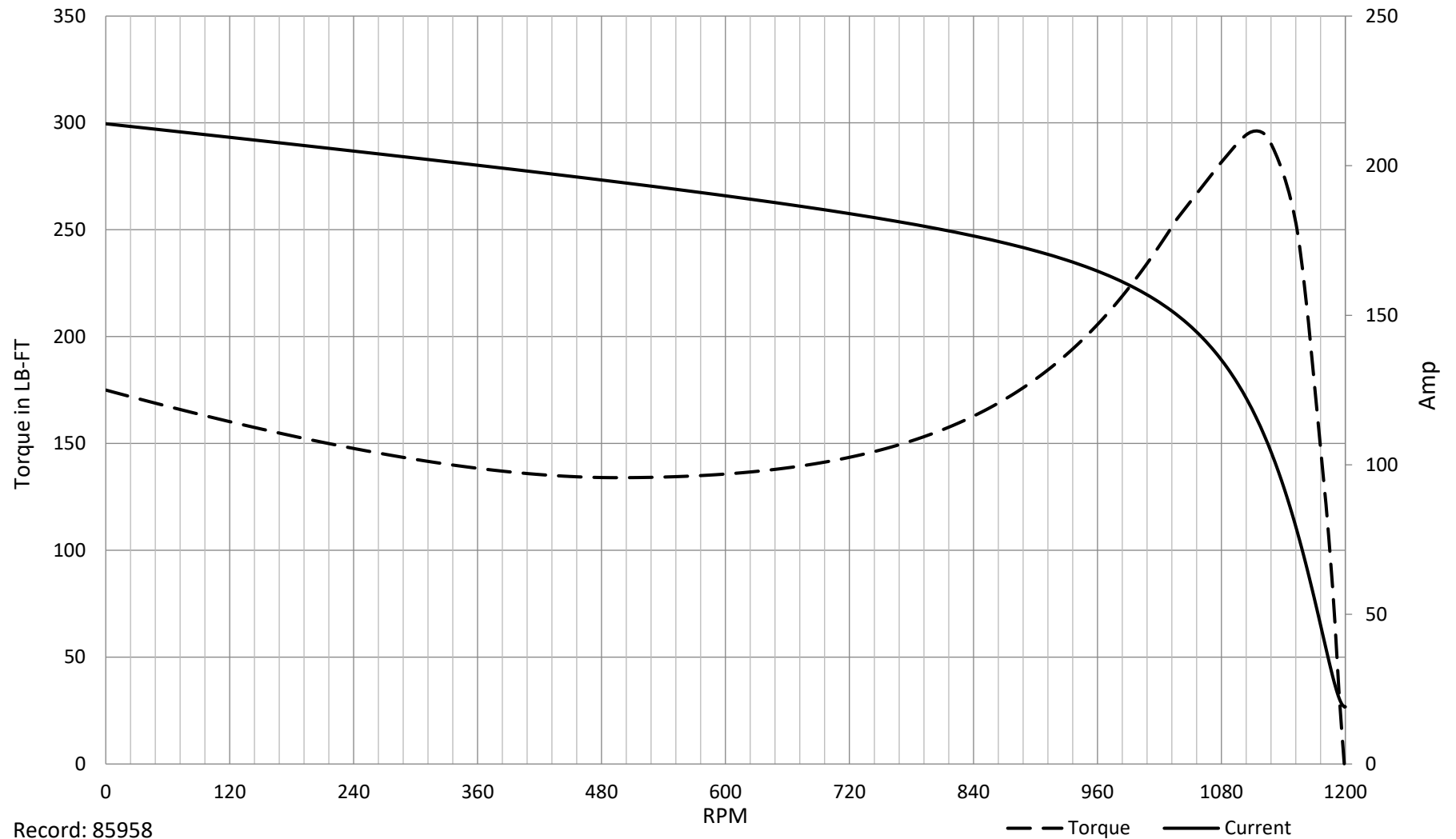
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	38	59	69	75	77	78	76
Efficiency	0	85.6	90.5	92	91.1	90	85.6	90.4
Speed	1199	1194	1190	1185	1179	1173	1165	1175
Line amperes	19.44	21.44	26.28	33.09	41.01	50.22	63.06	46.5

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

12WGA0158

30HP 460V 60HZ



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