

AC induction motor performance data

Record #85944 - Typical performance - not guaranteed values

Winding	12WGA0156
Type	1272M
Enclosure	XPNV

Nameplate data

Rated Output				60
Volts				460
Full Load Amps				76
R.P.M.				1775
Hz	60	Phase		3
KVA Code				G
S.F.				1.15
NEMA Nom. Eff.	94.5	Power Factor		79
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:
Single Voltage Motor

Full Load Torque	178 LB-FT
Start Configuration	direct on line
Breakdown Torque	412 LB-FT
Pull-up Torque	192 LB-FT
Locked-rotor Torque	266 LB-FT
Starting Current	431 A
No-load Current	32.82
Line-line Res. @ 25°C	0.131 Ω
Temp. Rise @ Rated Load	41°C
Temp. Rise @ S.F. Load	50°C
Locked-rotor Power Factor	27.3
Rotor inertia	7.19 lb-ft²

Load Characteristics 460 V, 60 Hz, 60 HP

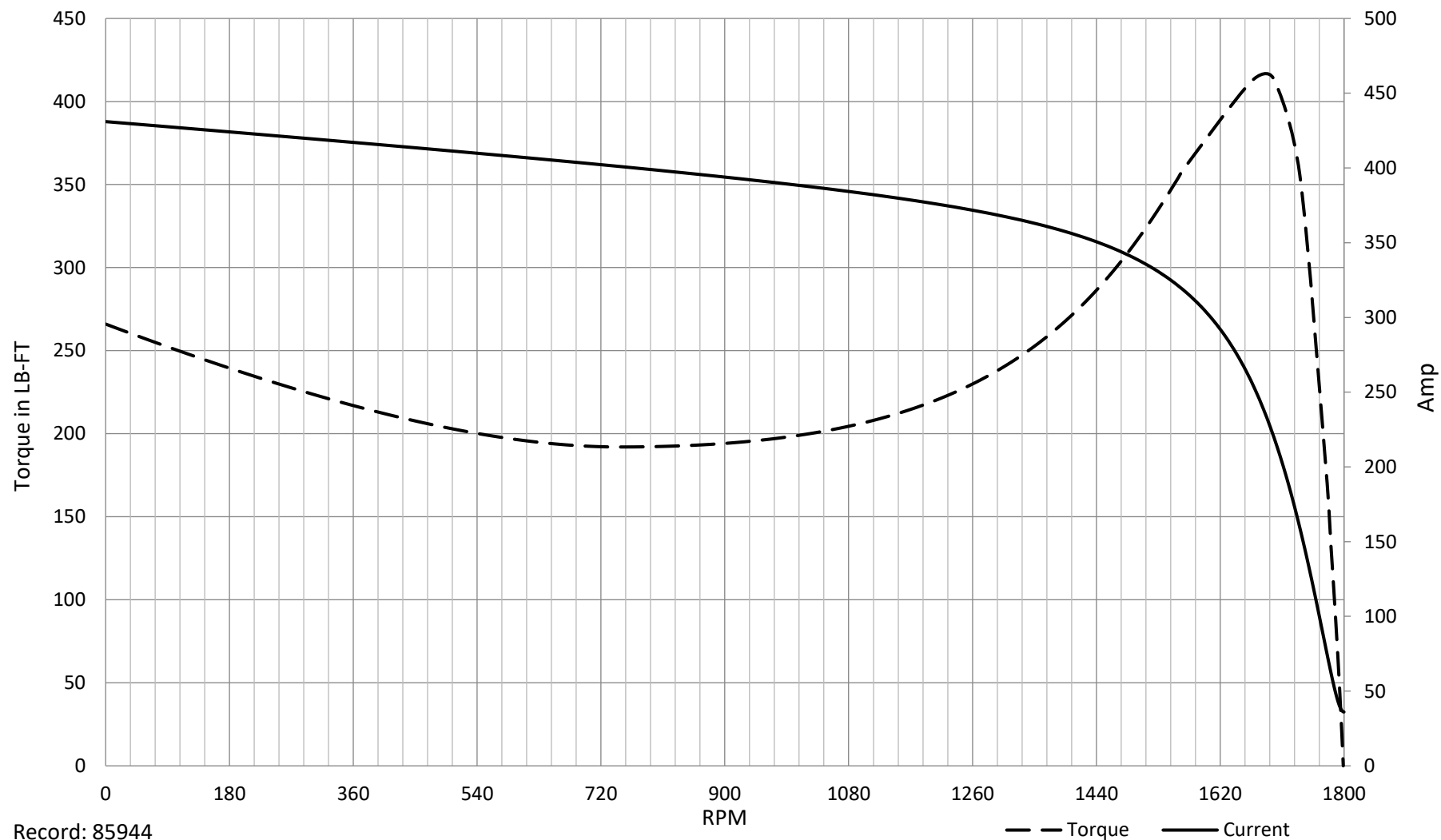
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	4	41	62	74	79	81	81	87
Efficiency	0	91.4	94.2	94.4	94.5	93.3	92	92.9
Speed	1799	1794	1788	1781	1774	1766	1755	1773
Line amperes	32.82	37.36	47.43	60.09	75.5	92.53	116	101

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

12WGA0156

60HP 460V 60HZ



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