

AC induction motor performance data

Record #85928 - Typical performance - not guaranteed values

Winding	09WGA0210
Type	0950M
Enclosure	PART

Nameplate data

Rated Output				25
Volts				230/460
Full Load Amps				82/41
R.P.M.				1160
Hz	60	Phase		3
KVA Code				F
S.F.				1.15
NEMA Nom. Eff.	87.5	Power Factor		65
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:
High Voltage Connection

Full Load Torque	113 LB-FT
Start Configuration	direct on line
Breakdown Torque	234 LB-FT
Pull-up Torque	113 LB-FT
Locked-rotor Torque	150 LB-FT
Starting Current	169 A
No-load Current	21.27
Line-line Res. @ 25°C	0.533 Ω
Temp. Rise @ Rated Load	58°C
Temp. Rise @ S.F. Load	71°C
Locked-rotor Power Factor	27.6
Rotor inertia	3.86 lb-ft²

Load Characteristics 460 V, 60 Hz, 25 HP

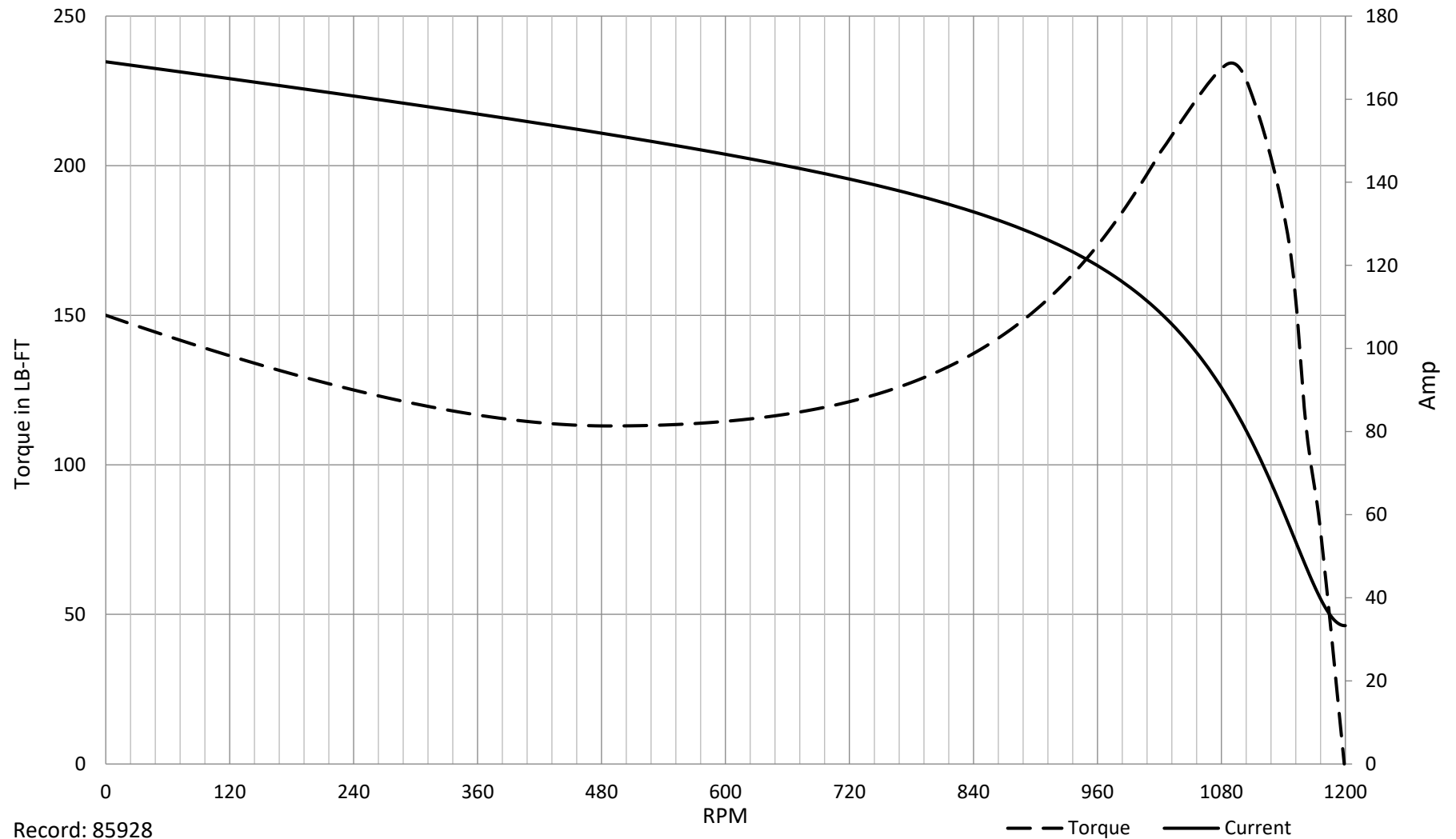
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	31	49	60	65	66	63	66
Efficiency	0	83.6	88.1	88.2	87.5	84.1	78.6	85.5
Speed	1199	1191	1183	1174	1162	1146	1110	1152
Line amperes	21.27	22.66	26.83	33.06	41.22	51.94	71.23	47.7

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

09WGA0210

25HP 460V 60HZ



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