

AC induction motor performance data

Record #86085 - Typical performance - not guaranteed values

Winding	06WGA0016
Type	0640M
Enclosure	TENV

Nameplate data

Rated Output				5
Volts				230/460
Full Load Amps				17.4/8.7
R.P.M.				1150
Hz	60	Phase		3
KVA Code				J
S.F.				1.15
NEMA Nom. Eff.	88.5	Power Factor		64
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	23.18 LB-FT
Start Configuration	direct on line
Breakdown Torque	65.61 LB-FT
Pull-up Torque	41.99 LB-FT
Locked-rotor Torque	51.39 LB-FT
Starting Current	45.18 A
No-load Current	5.45
Line-line Res. @ 25°C	3.05 Ω
Temp. Rise @ Rated Load	80°C
Temp. Rise @ S.F. Load	95°C
Locked-rotor Power Factor	36.8
Rotor inertia	0.372 lb-ft ²

Load Characteristics 460 V, 60 Hz, 5 HP

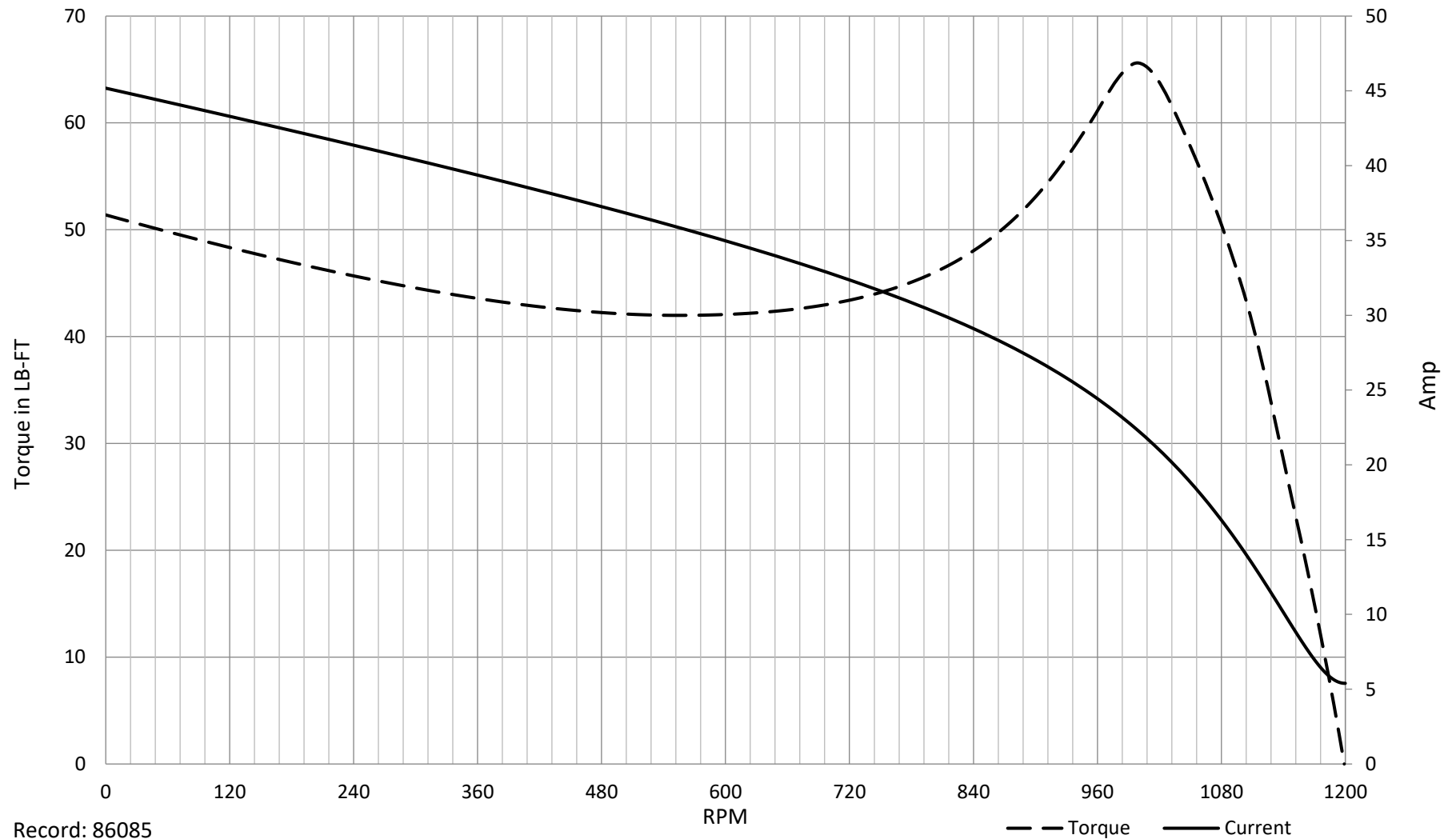
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	27	44	56	64	68	71	66
Efficiency	0	77.7	86	87.7	88.5	85.5	82.9	86.7
Speed	1199	1189	1178	1166	1152	1136	1116	1748
Line amperes	5.45	5.74	6.38	7.4	8.68	10.38	12.37	9.7

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

06WGA0016

5HP 460V 60HZ



Record: 86085