

AC induction motor performance data

Record #86081 - Typical performance - not guaranteed values

Winding	06WGA0014
Type	3630M
Enclosure	TENV

Nameplate data

Rated Output	1.5		
Volts	230/460		
Full Load Amps	4.4/2.2		
R.P.M.	1770		
Hz	60	Phase	3
KVA Code	M		
S.F.	1.15		
NEMA Nom. Eff.	86.5	Power Factor	71
Duty	15 MIN		
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	4.47 LB-FT
Start Configuration	direct on line
Breakdown Torque	21.47 LB-FT
Pull-up Torque	10.67 LB-FT
Locked-rotor Torque	12.6 LB-FT
Starting Current	19.49 A
No-load Current	1.4
Line-line Res. @ 25°C	7.07 Ω
Temp. Rise @ Rated Load	17°C
Temp. Rise @ S.F. Load	20°C
Locked-rotor Power Factor	43.1
Rotor inertia	0.279 lb-ft²

Load Characteristics 460 V, 60 Hz, 1.5 HP

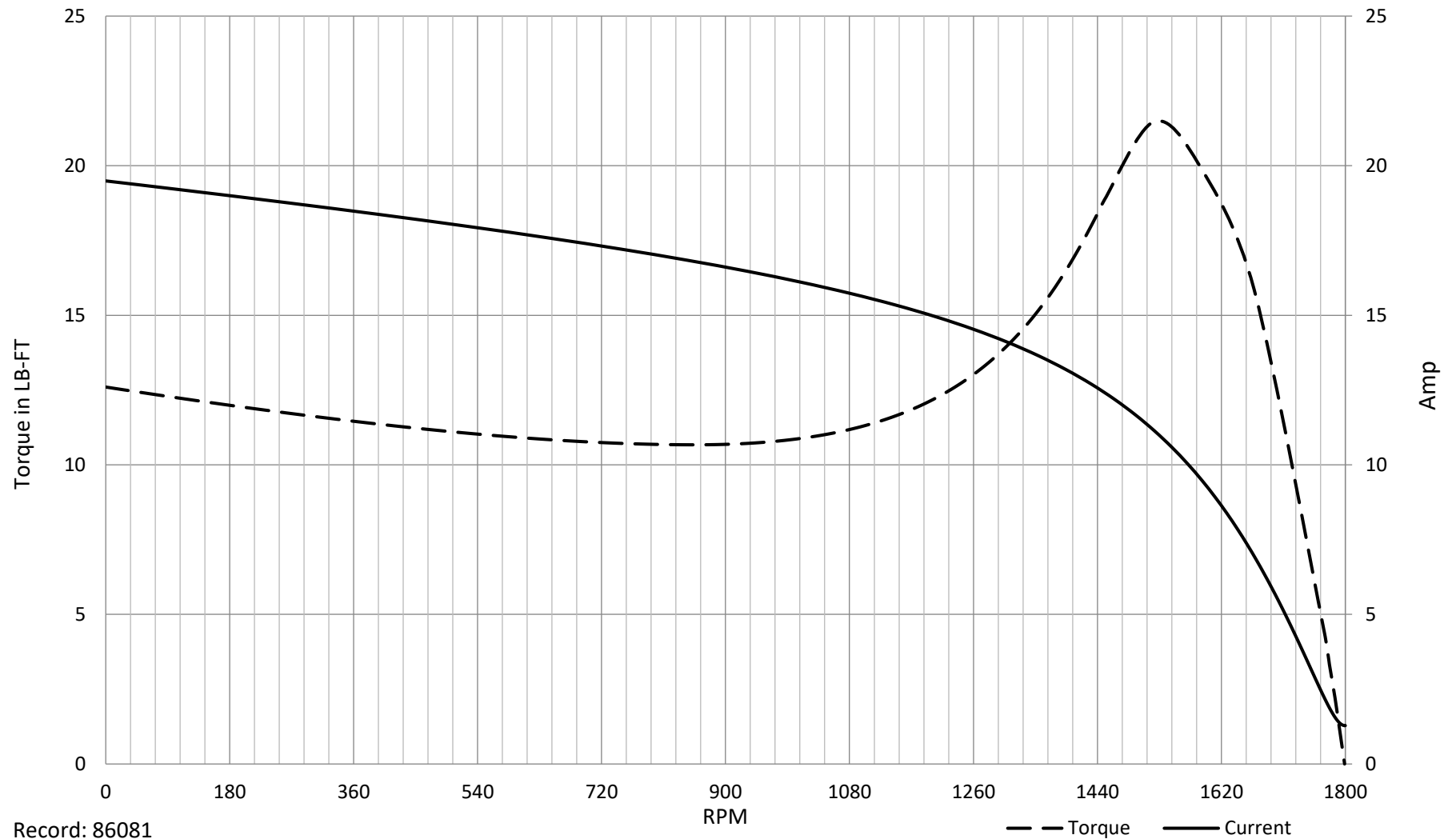
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	7	32	50	62	71	77	80	75
Efficiency	0	74.1	84.6	87.7	88.8	88.1	84.4	88.4
Speed	1799	1792	1785	1777	1769	1760	1748	1764
Line amperes	1.4	1.5	1.66	1.92	2.23	2.6	3.1	2.45

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

06WGA0014

1.5HP 460V 60HZ



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