

AC induction motor performance data

Record #85945 - Typical performance - not guaranteed values

Winding	12WGA0162
Type	1286M
Enclosure	PART

Nameplate data

Rated Output	75		
Volts	230/460		
Full Load Amps	176/88		
R.P.M.	1775		
Hz	60	Phase	3
KVA Code	F		
S.F.	1.15		
NEMA Nom. Eff.	93	Power Factor	87
Duty	15 MIN		
S.F. Amps			

460 V, 60 Hz:
High Voltage Connection

Full Load Torque	221.8 LB-FT
Start Configuration	direct on line
Breakdown Torque	563 LB-FT
Pull-up Torque	236 LB-FT
Locked-rotor Torque	292 LB-FT
Starting Current	466 A
No-load Current	24.59
Line-line Res. @ 25°C	0.0809 Ω
Temp. Rise @ Rated Load	118°C
Temp. Rise @ S.F. Load	144°C
Locked-rotor Power Factor	26.1
Rotor inertia	11.5 lb-ft²

Load Characteristics 460 V, 60 Hz, 75 HP

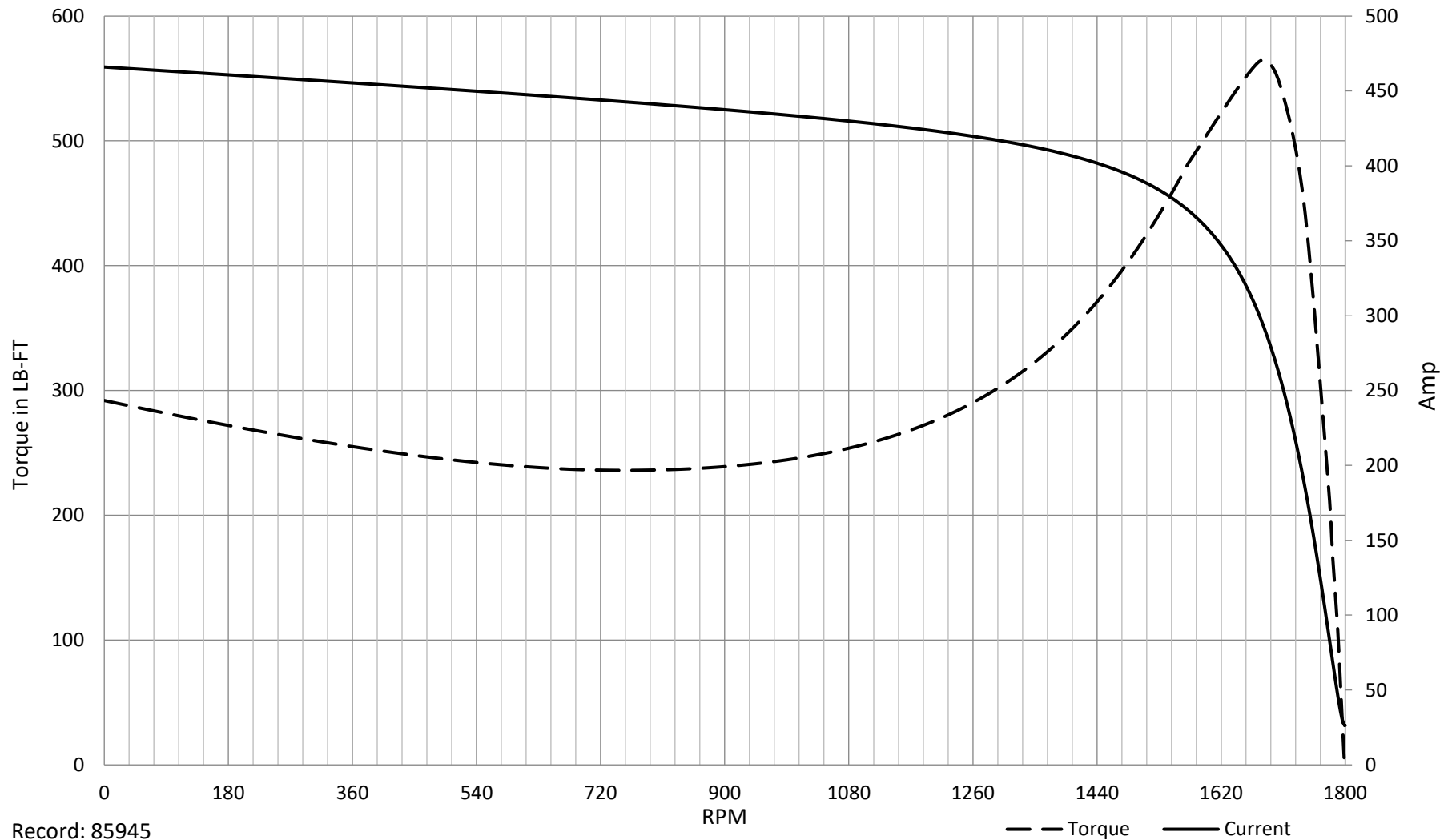
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	9	64	82	87	87	87	87	87
Efficiency	0	85	90.8	92.3	93	93	92.7	93
Speed	1799	1794	1789	1782	1776	1769	1760	1772
Line amperes	24.59	32.19	47.22	65.48	86.76	108	131	99.5

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

12WGA0162

75HP 460V 60HZ



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