

AC induction motor performance data

Record #78234 - Typical performance - not guaranteed values

Winding	07WGA0004
Type	0750M
Enclosure	XPNV

Nameplate data

Rated Output				20
Volts				230/460
Full Load Amps				54.2/27.1
R.P.M.				1750
Hz	60	Phase		3
KVA Code				H
S.F.				1.15
NEMA Nom. Eff.	91	Power Factor		76
Duty				15 MIN
S.F. Amps				

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	59.8 LB-FT
Start Configuration	direct on line
Breakdown Torque	147 LB-FT
Pull-up Torque	95.75 LB-FT
Locked-rotor Torque	106 LB-FT
Starting Current	168 A
No-load Current	13.63
Line-line Res. @ 25°C	0.614 Ω
Temp. Rise @ Rated Load	40°C
Temp. Rise @ S.F. Load	52°C
Locked-rotor Power Factor	38
Rotor inertia	1.23 lb-ft²

Load Characteristics 460 V, 60 Hz, 20 HP

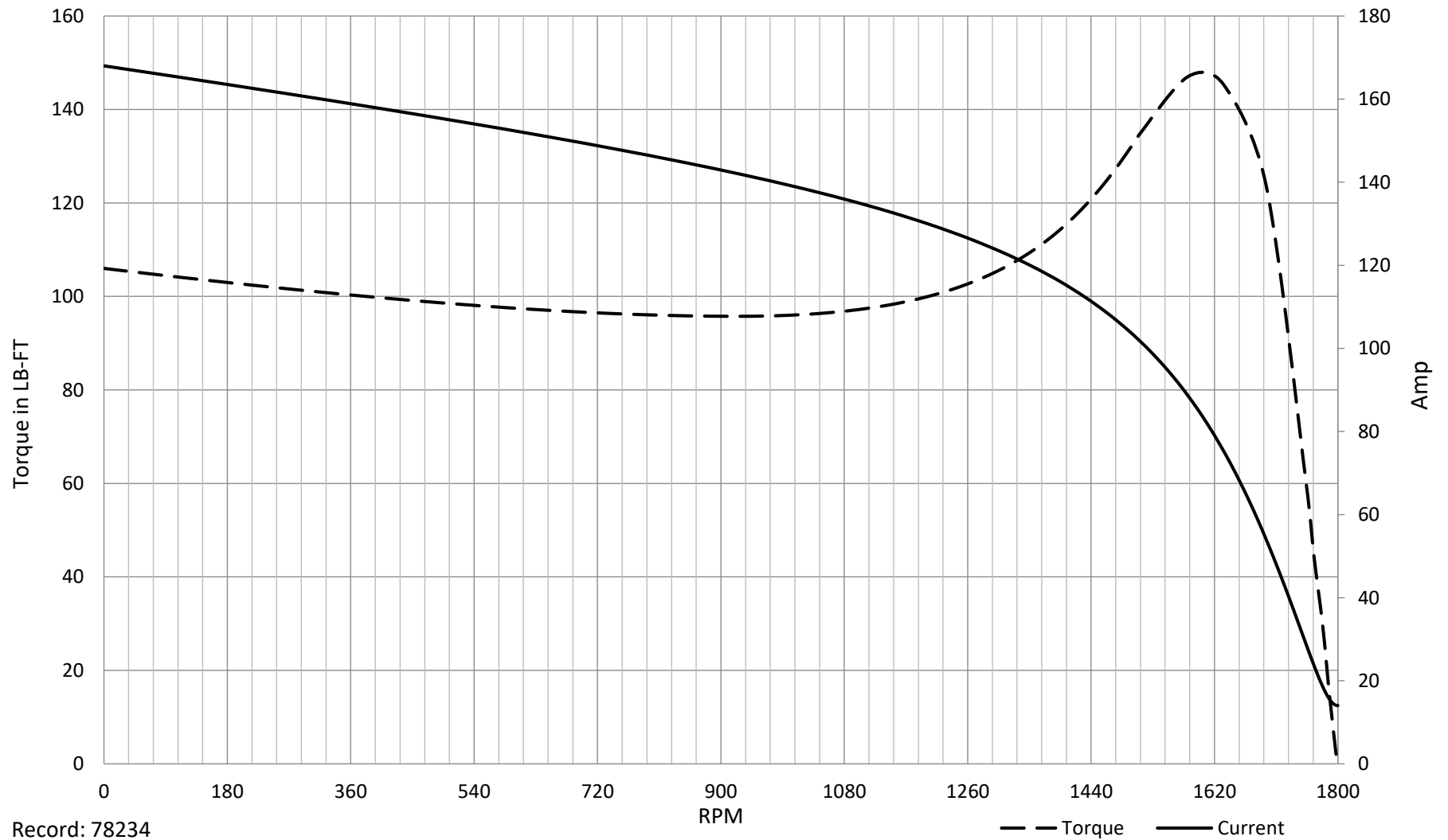
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	3	35	57	69	76	79	80	78
Efficiency	0	89.3	92.5	92.1	91.2	89.5	88.2	90.2
Speed	1799	1788	1778	1765	1754	1738	1724	1744
Line amperes	13.63	14.74	17.69	21.99	27.09	33.1	39.7	30.7

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

07WGA0004

20HP 460V 60HZ



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