AC induction motor performance data

Record #83267 - Typical performance - not guaranteed values

Winding	A36WG4073
Type	A3670M
Enclosure	TEFC

Nameplate data

Rated Output			75
Volts			230/460
Full Load Amps			172/86.2
R.P.M.			1780
Hz	60	Phase	3
KVA Code			H
Service Factor (S.F.)			1
NEMA Nom. Eff.	95.4	Power Factor	85
Duty			CONT
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	220.5 LB-FT
Start Configuration	direct on line
Breakdown Torque	646 LB-FT
Pull-up Torque	387 LB-FT
Locked-rotor Torque	499 LB-FT
Starting Current	627 A
No-load Current	30.8
Line-line Res. @ 25°C	0.07769 Ω
Temp. Rise @ Rated Load	61°C
Temp. Rise @ S.F. Load	0°C
Locked-rotor Power Factor	32.9
Rotor inertia	16.2 lb-ft²

Load Characteristics 460 V, 60 Hz, 75 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	3	51	73	81	85	86	86	0
Efficiency	0	93.5	95.6	95.9	95.6	95.1	94.4	0
Speed	1798.9	1795.7	1791.7	1787.7	1782.8	1778.9	1773.6	0
Line amperes	30.8	36.9	50.3	67.3	86.2	107	129	0

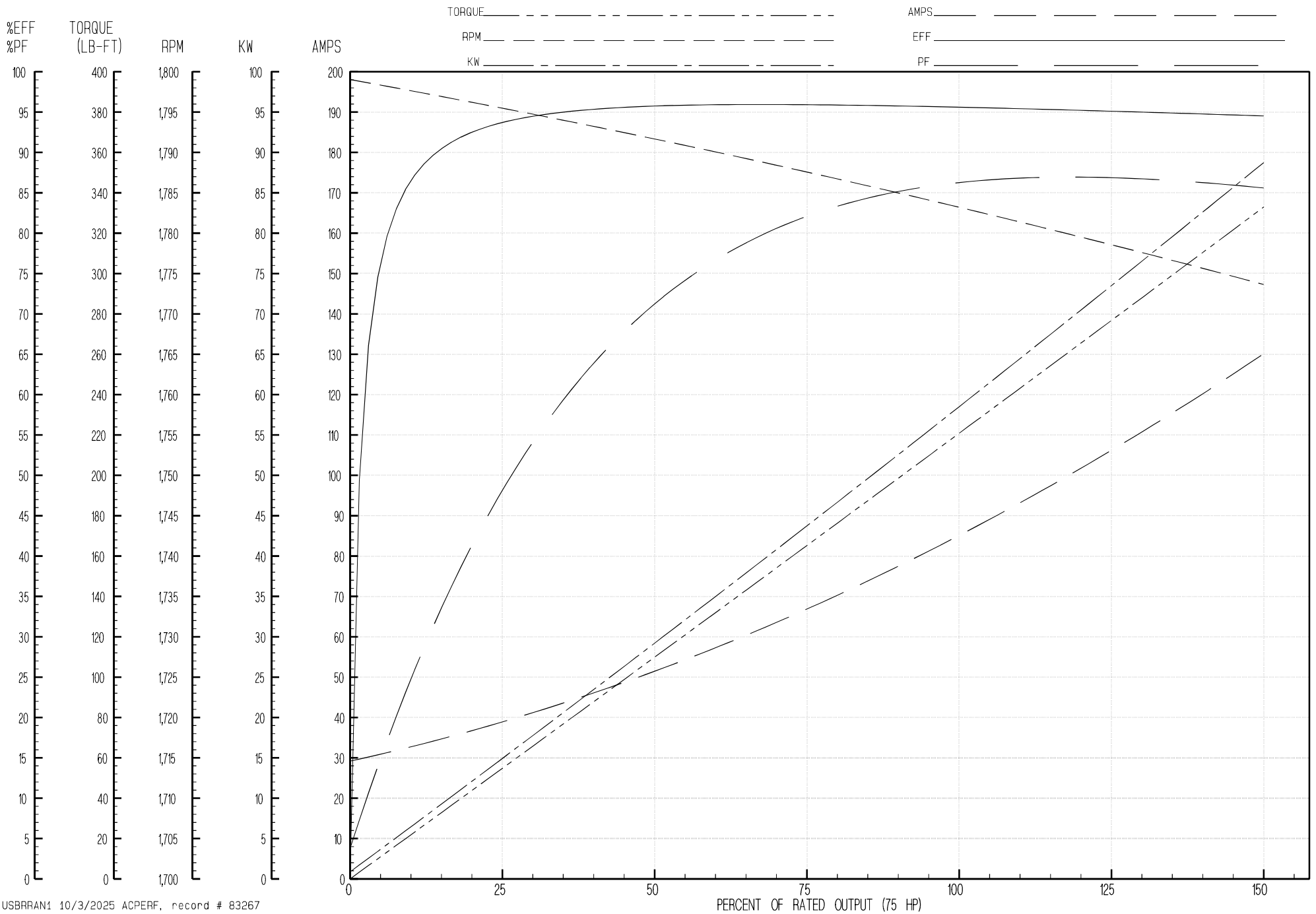
BALDOR ELECTRIC COMPANY

WINDING # A36WG4073

Typical performance - not guaranteed values.

75 HP 3 PH 60 HZ 1780 RPM 460 V A3670M

TORQUES(LB-FT): PO=646.00 PU=387.00 LR=499.00 LRA=627.00



USBRRAN1 10/3/2025 ACPERF, record # 83267