AC induction motor performance data

Record #83645 - Typical performance - not guaranteed values

Winding	A36WG4148
Type	A36070M
Enclosure	TEFC

Nameplate data

Rated Output			75
Volts			230/460
Full Load Amps			174/87
R.P.M.			1780
Hz	60	Phase	3
KVA Code			G
S.F.			1.15
NEMA Nom. Eff.	95.4	Power Factor	86
Duty			CONT
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	220 LB-FT
Start Configuration	direct on line
Breakdown Torque	487 LB-FT
Pull-up Torque	350 LB-FT
Locked-rotor Torque	420 LB-FT
Starting Current	542 A
No-load Current	28.17
Line-line Res. @ 25°C	0.0948 Ω
Temp. Rise @ Rated Load	56°C
Temp. Rise @ S.F. Load	71°C
Locked-rotor Power Factor	35.7
Rotor inertia	16.2 lb-ft²

Load Characteristics 460 V, 60 Hz, 75 HP

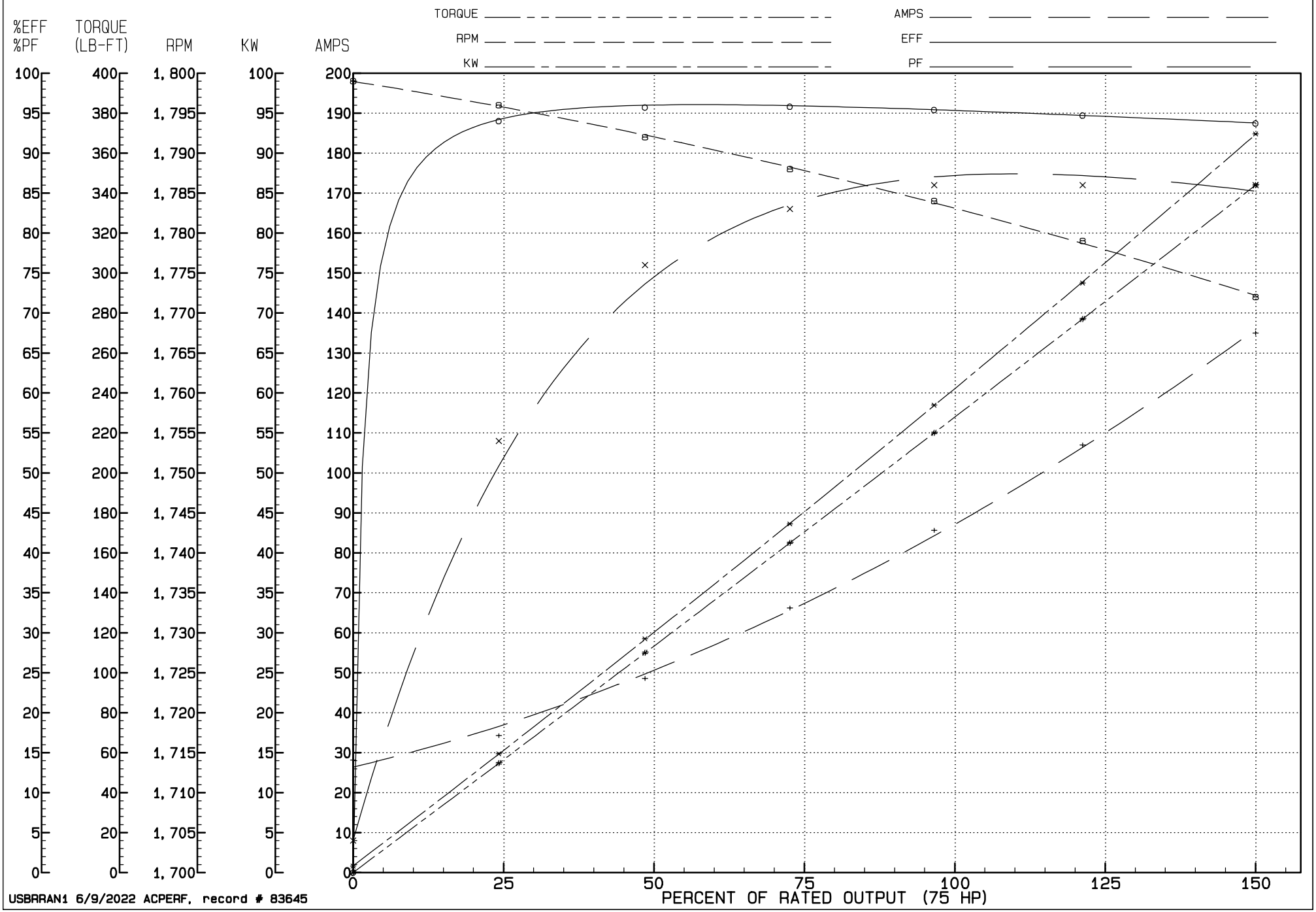
% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	4	54	76	83	86	86	86	86
Efficiency	0	94	95.7	95.8	95.4	94.7	93.7	94.8
Speed	1799	1796	1792	1788	1784	1779	1772	1779
Line amperes	28.17	34.3	48.59	66.19	85.65	107	135	99.2

REVIEW

WINDING # A36WG4148

75 HP 3 PH 60 HZ 1780 RPM 460 V A36070M

TORQUES(LB-FT): PO=487.00 PU=350.00 LR=420.00 LRA=542.00



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