

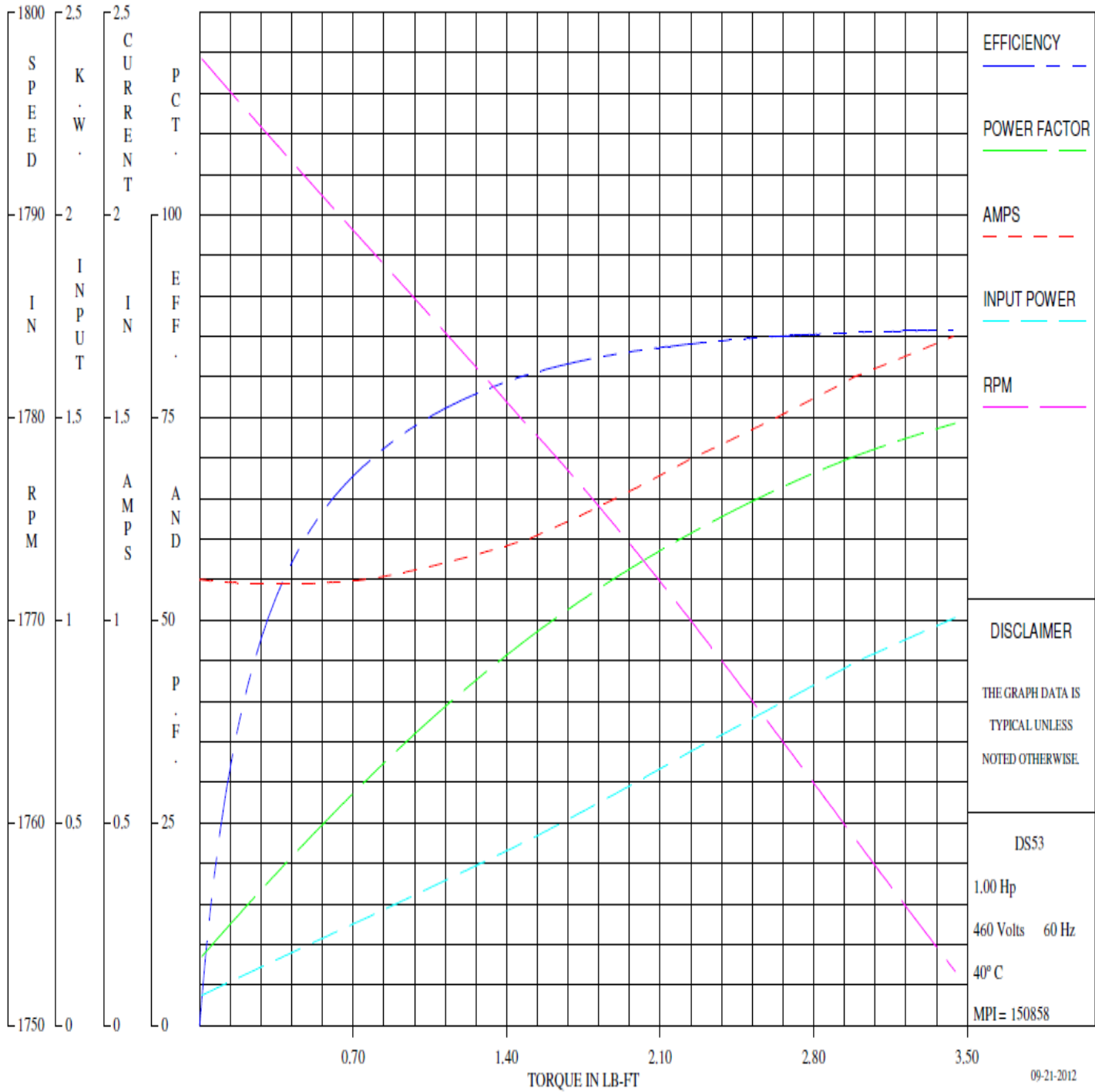
Performance Curve



2NKX3A

REV.  
0

SPEED vs. TORQUE PERFORMANCE CURVE



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2NKX3A 0

Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

# Performance Curve



**2NKX3A**

REV.  
0

MODEL NO.	PHASE	TYPE	FRAME
2NKX3A	3	DE	143T

ORDER NO.	22128	LINE NO.
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MPI:	150858	150859	150860	150861	150862
HP:	1	1	1	1	1
POLES:	4	4	4	4	4
VOLTS:	460	230	208	380	190
HZ:	60	60	60	50	50
SERVICE FACTOR:	1.15	1.15	1.15	1.15	1.15
EFFICIENCY (%):					
S.F.	85.8	85.8	85.4	84	84
FULL	85.5	85.5	85.5	84	84
3/4	84.1	84.1	84.9	84.4	84.4
1/2	80.3	80.3	82	82	82
1/4	69.2	69.2	72.4	73	73
POWER FACTOR (%):					
S.F.	74.3	74.3	79.7	80.5	80.5
FULL	70.2	70.2	76.3	77	77
3/4	60.8	60.8	67.8	68.2	68.2
1/2	47.7	47.7	54.6	54.5	54.5
1/4	30.1	30.1	35.1	34.6	34.6
NO LOAD	8.5	8.5	9	8.4	8.4
LOCKED ROTOR	69.3	69.3	68.2	74.2	74.2
AMPS:					
S.F.	1.7	3.4	3.5	1.9	3.9
FULL	1.6	3.1	3.2	1.8	3.5
3/4	1.4	2.7	2.7	1.5	3
1/2	1.2	2.4	2.3	1.3	2.5
1/4	1.1	2.2	2	1.1	2.2
NO LOAD	1.1	2.2	2	1.1	2.2
LOCKED ROTOR	14.8	29.5	26.3	13.1	26.2
NEMA CODE LETTER	N	N	L	K	K
NEMA DESIGN LETTER	B	B	B	B	B
FULL LOAD RPM	1760	1760	1750	1445	1445
NEMA NOMINAL EFFICIENCY (%)	85.5	85.5	85.5	84	84
GUARANTEED EFFICIENCY (%)	82.5	82.5	82.5	81.5	81.5
MAX KVAR	0.7	0.7	0.6	0.6	0.6
AMBIENT (°C)	40	40	40	40	40
ALTITUDE (FASL)	3300	3300	3300	3300	3300
SAFE STALL TIME-HOT (SEC)	16	16	21	22	22
SOUND PRESSURE (DBA @ 1M)	55	55	55	51	51
TORQUES:					
BREAKDOWN(% F.L.)	572	572	460	425	425
LOCKED ROTOR(% F.L.)	456	456	362	357	357
FULL LOAD(LB-FT)	3	3	3	3.6	3.6

The Above Data Is Typical, Sinewave Power Unless Noted Otherwise

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