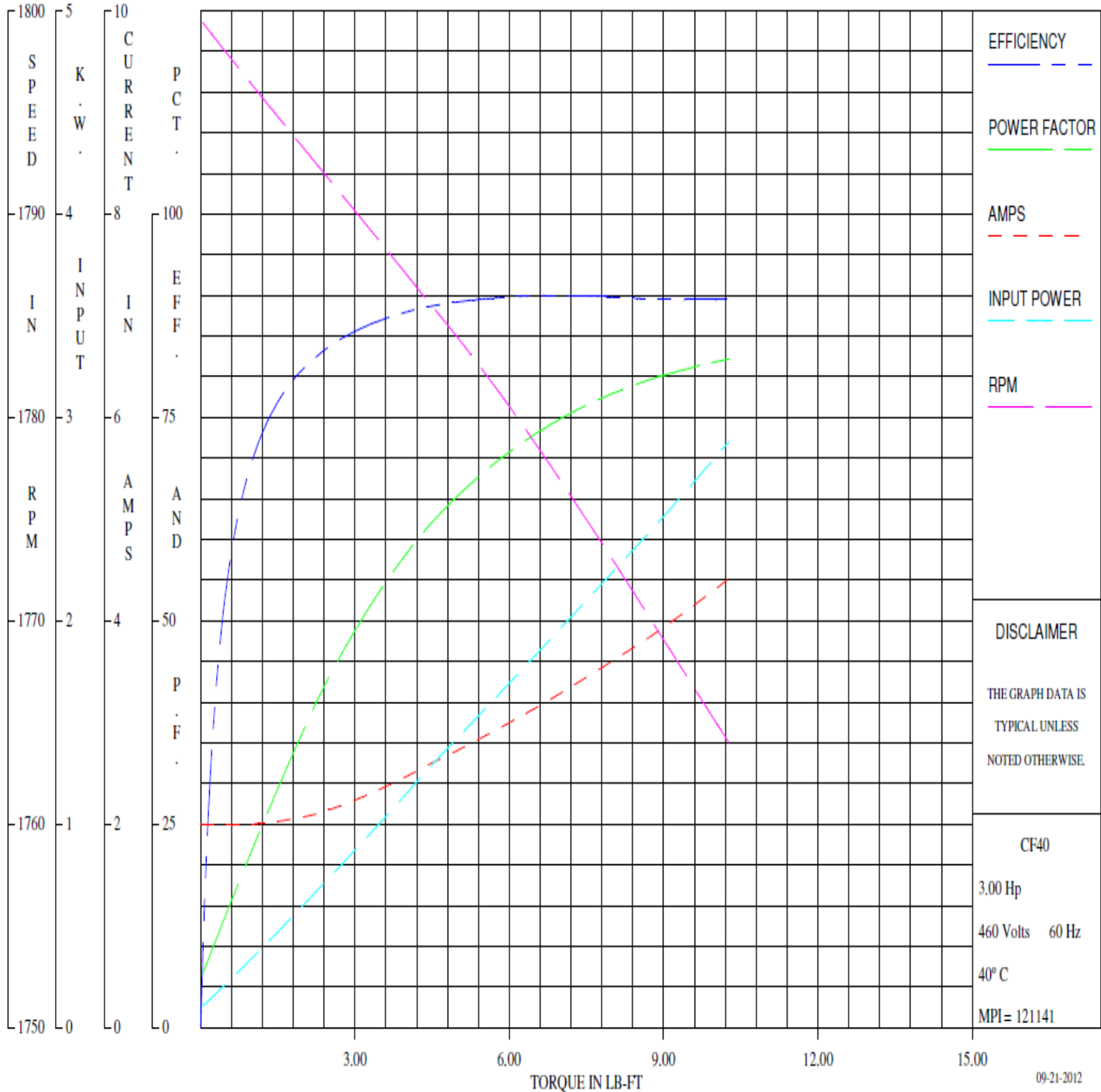




2NKY8B

REV.  
0

SPEED vs. TORQUE PERFORMANCE CURVE



# Performance Curve


**2NKY8B**

 REV.  
0

MODEL NO.	CATALOG NO.	PHASE	TYPE	FRAME
2NKY8B	N/A	3	DE	182T

ORDER NO.	19929	LINE NO.
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MPI:	121141	121142	121143	122567	122568
HP:	3	3	3	3	3
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.	89.5	89.5	88.3	86.4	86.4
FULL	89.5	89.5	88.5	87.5	87.5
3/4	90	90	90	89.2	89.2
1/2	88.7	88.7	89.4	89.2	89.2
1/4	82.5	82.5	84.7	84.9	84.9
POWER FACTOR (%):					
S.F.	82.2	82.2	84.9	85.4	85.4
FULL	80	80	83.6	83.7	83.7
3/4	73.7	73.7	79.5	79.1	79.1
1/2	61.8	61.8	69.8	68.8	68.8
1/4	39.9	39.9	48.4	46.5	46.5
NO LOAD	6.6	6.6	7.2	6.5	6.5
LOCKED ROTOR	53.6	53.6	52.2	58.2	58.2
AMPS:					
S.F.	4.4	8.8	9.5	5.3	10.6
FULL	3.9	7.8	8.4	4.6	9.3
3/4	3.2	6.3	6.5	3.6	7.2
1/2	2.6	5.1	5	2.8	5.5
1/4	2.1	4.3	3.8	2.2	4.3
NO LOAD	2	4	3.4	2	3.9
LOCKED ROTOR	31	62	55	28.8	58
NEMA CODE LETTER	K	K	H	H	H
NEMA DESIGN LETTER	B	B	B	#	#
FULL LOAD RPM	1770	1770	1760	1460	1460
NEMA NOMINAL EFFICIENCY (%)	89.5	89.5	88.5	87.5	87.5
GUARANTEED EFFICIENCY (%)	87.5	87.5	86.5	85.5	85.5
MAX KVAR	1.4	1.4	1	1.1	1.1
AMBIENT (°C)	40	40	40	40	40
ALTITUDE (FASL)	3300	3300	3300	3300	3300
SAFE STALL TIME-HOT (SEC)	13	13	18	16	16
SOUND PRESSURE (DBA @ 1M)	58	58	58	54	54
TORQUES:					
BREAKDOWN(% F.L.)	377	377	299	288	288
LOCKED ROTOR(% F.L.)	240	240	186	189	189
FULL LOAD(LB-FT)	8.9	8.9	8.9	10.8	10.8

The Above Data Is Typical. Sinewave Power Unless Noted Otherwise

 DRAWING NO. PAGE 2 of 2  
2NKY8B

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