

NP VOLTS	230/460			WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	172/86	Base Volt	460	R1	0.045	X1	0.239
HP	75	NL AMPS	30.80	R2	0.225	X2	0.110
BASE SPEED	1783	Slip (HZ)	0.57	R2B	0.021	X2B	0.339
PHASE/HZ	3/60	WK ² (lb-ft ²)	0.000	R2E	0.005	XM	7.820

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1782.8	74.9	220.5	460	60	86.2
Max Speed	2673	74.8	147.0	460	90	83.5
CT Min Speed	1.7828	0.075	220.5	0.46	0.06	86.2

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1798.9	0.0	0.0	460	60	30.8
1/4	1795.7	18.8	54.9	460	60	36.9
1/2	1791.7	37.5	109.8	460	60	50.3
3/4	1787.7	56.2	164.9	460	60	67.3
Full Load	1782.8	74.9	220.5	460	60	86.2
O/L	1762	149.7	446.0	460	60	179.0

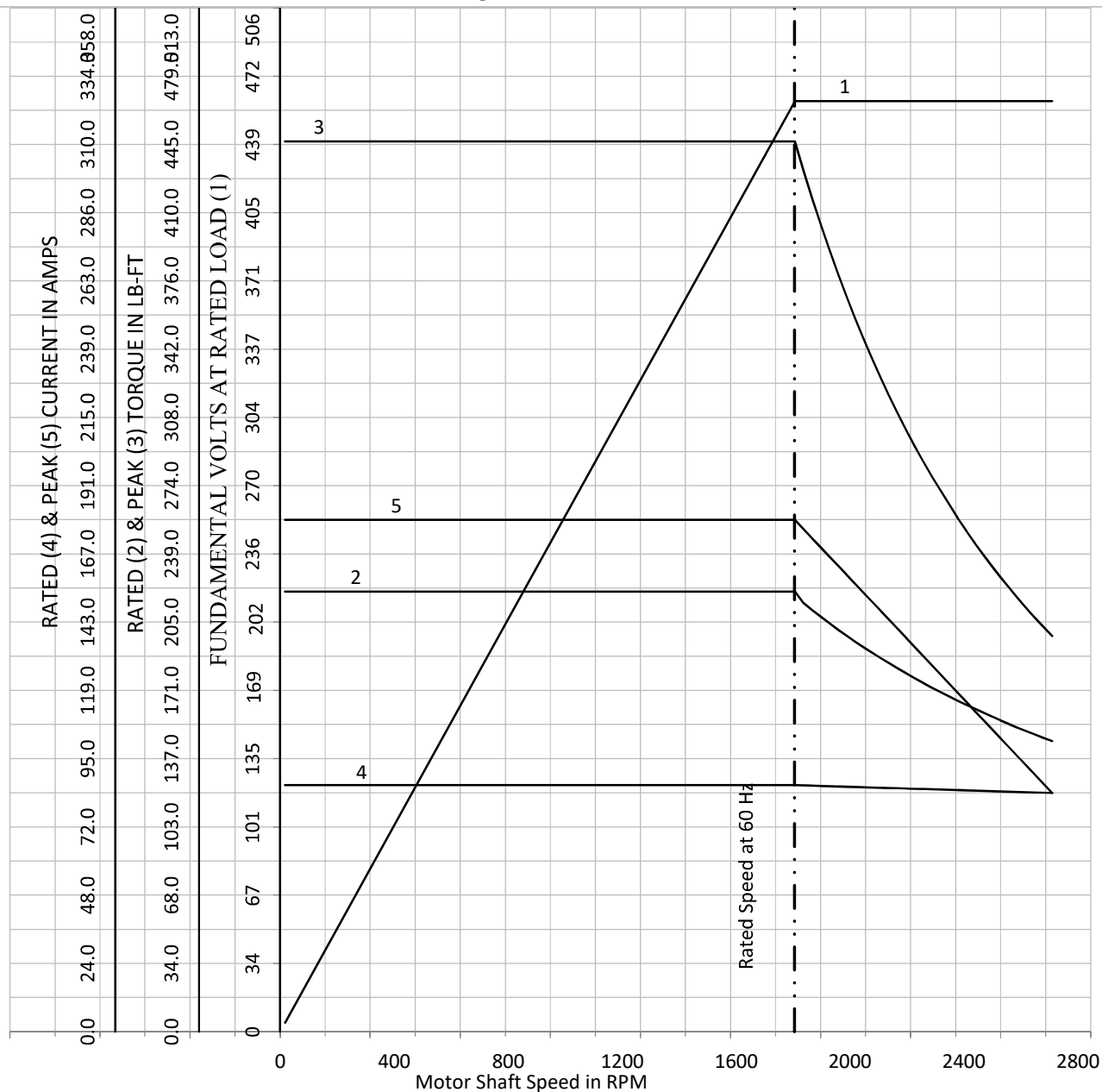
Blower Data	Volts	Ph/HZ	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data

	DR BY	<u>USBRRAN1</u>	A-C MOTOR PERFORMANCE CURVES	A36WG4073 Record: 76727
	CK BY	<u>CD</u>		
	APP BY	<u>USBRRAN1</u>		
	DATE	<u>11/5/2024</u>		

NP VOLTS	230/460	Base Volt	460	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	172/86			R1	0.045	X1	0.239
HP	75			R2	0.225	X2	0.110
BASE SPEED	1782.80005			R2B	0.021	X2B	0.339
PHASE/HZ	3/60			R2E	0.005	XM	7.820
		Slip (HZ)	0.57				
		WK ² (lb-ft ²)	0.000				

Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

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DR BY USBRRAN1

CK BY CD

APP BY USBRRAN1

DATE 11/5/2024

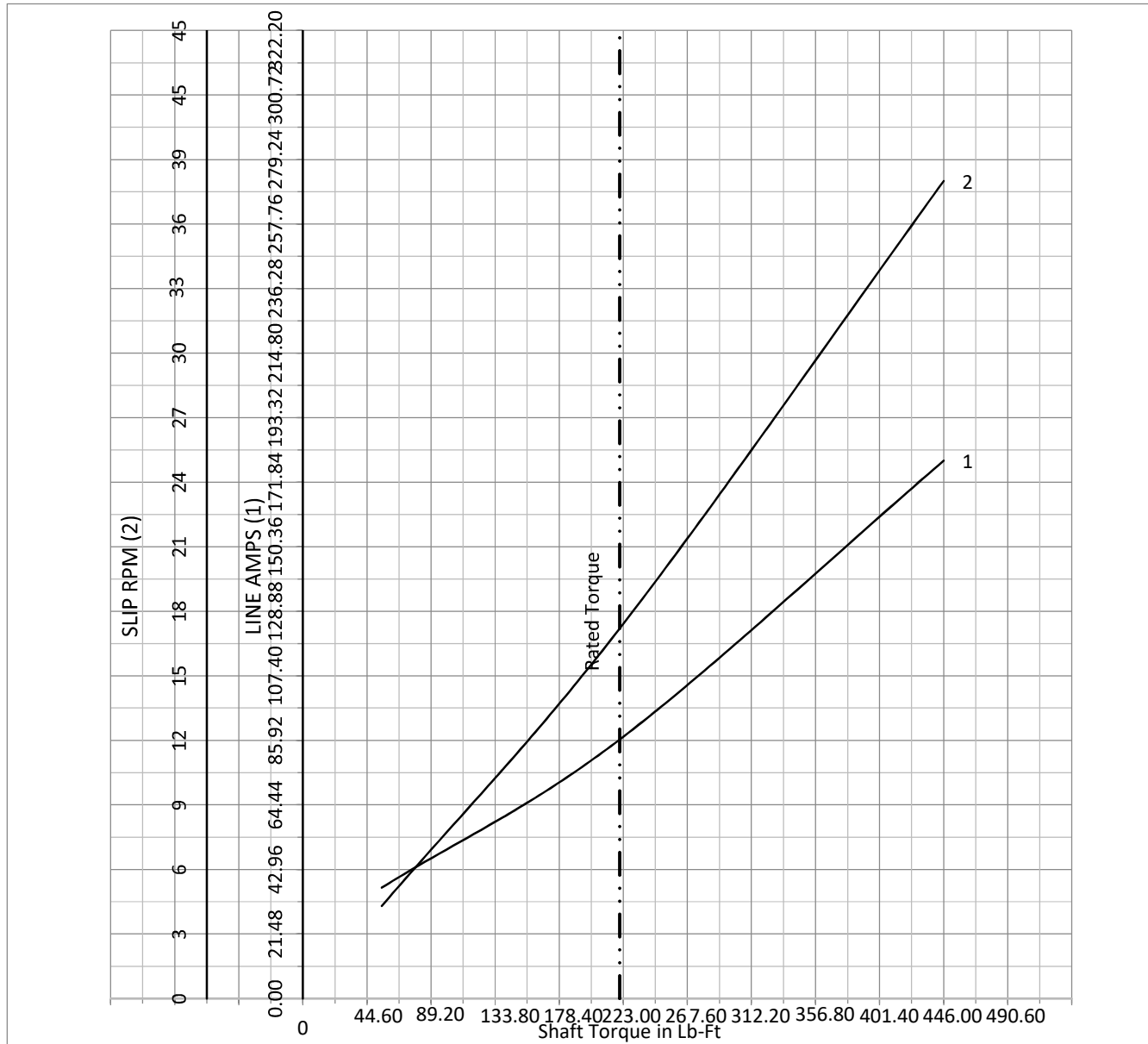
**A-C MOTOR
PERFORMANCE
CURVES**

A36WG4073

Record: 76727

NP VOLTS	230/460	0	0	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	172/86	Base Volt	460	R1	0.045	X1	0.239
HP	75	NL AMPS	30.80	R2	0.225	X2	0.110
BASE SPEED	1782.800049	Slip (HZ)	0.57	R2B	0.021	X2B	0.339
PHASE/HZ	3/60	WK2 (lb-ft2)	0.000	R2E	0.005	XM	7.820

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

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DR BY USBRRAN1

CK BY CD

APP BY USBRRAN1

DATE 11/5/2024

**A-C MOTOR
PERFORMANCE
CURVES**

A36WG4073

Record: 76727