

NP VOLTS	575	Base Volt 575 NL AMPS 4.00 Slip (HZ) 0.90 WK ² (lb-ft ²) 1.180	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	7.8		R1	0.887	X1	3.360
HP	7.5		R2	0.581	X2	2.710
BASE SPEED	1773				XM	85.200
PHASE/HZ	3/60					

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1773	7.5	22.2	575	60	7.8
Max Speed	2659	7.5	14.8	575	90	7.3
CT Min Speed	1.773	0.007	22.2	0.58	0.06	7.8

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	575	60	4.0
1/4	1793	1.9	5.5	575	60	4.4
1/2	1787	3.7	10.9	575	60	5.2
3/4	1780	5.6	16.6	575	60	6.4
Full Load	1773	7.5	22.2	575	60	7.8
O/L	1748	15.0	44.9	575	60	14.7

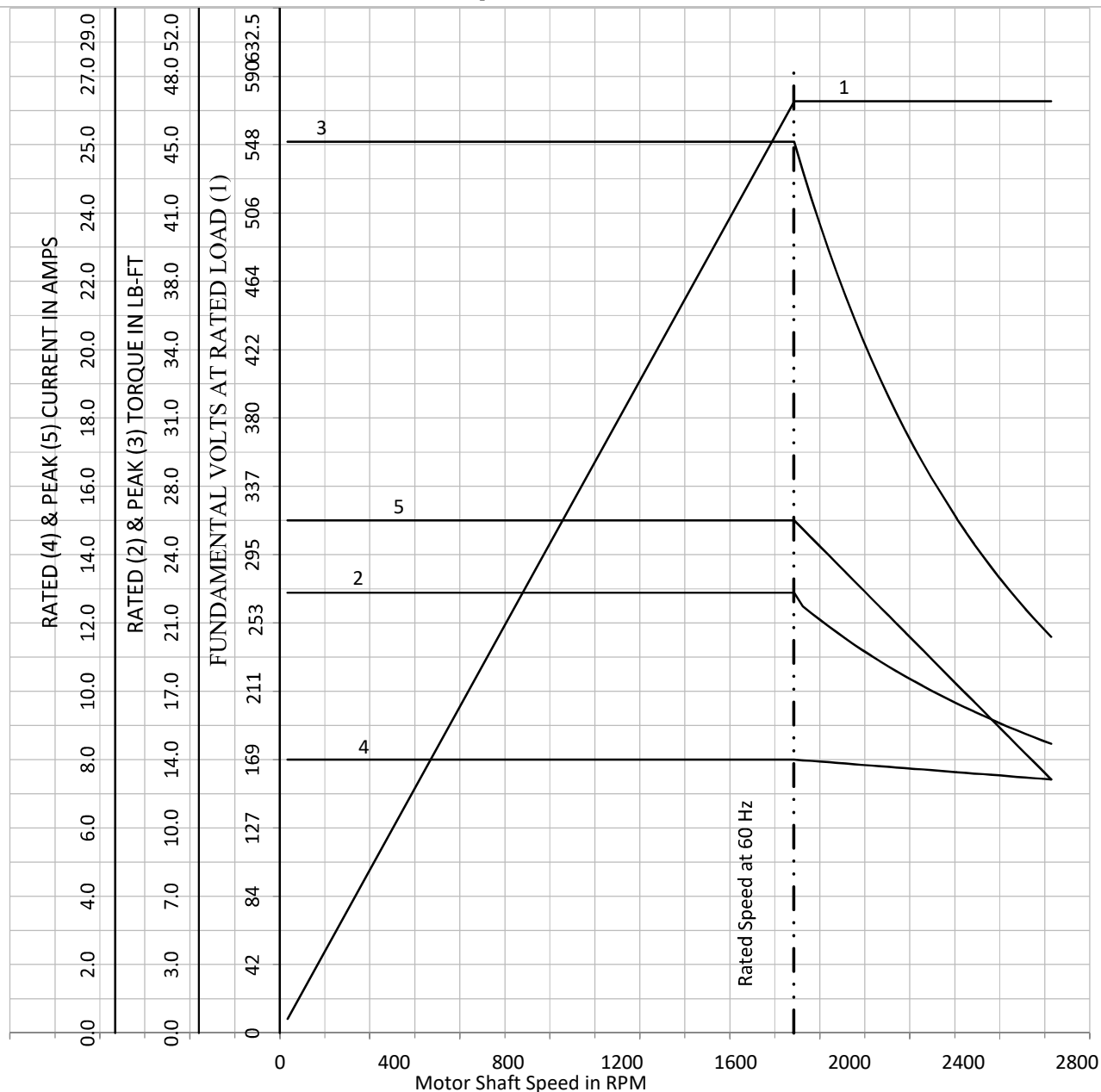
Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data

	DR BY	<u>USBRRAN1</u>	A-C MOTOR PERFORMANCE CURVES	07WGY729 Record: 85520
	CK BY	<u>CD</u>		
	APP BY	<u>USBRRAN1</u>		
	DATE	<u>11/1/2024</u>		

NP VOLTS	575	Base Volt575 NL AMPS4.00 Slip (HZ)0.90 WK² (lb-ft²)1.180	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	7.8		R1	0.887	X1	3.360
HP	7.5		R2	0.581	X2	2.710
BASE SPEED	1773				XM	85.200
PHASE/HZ	3/60					

Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

BALDOR • RELIANCE

DR BY USBRRAN1
 CK BY CD
 APP BY USBRRAN1
 DATE 11/1/2024

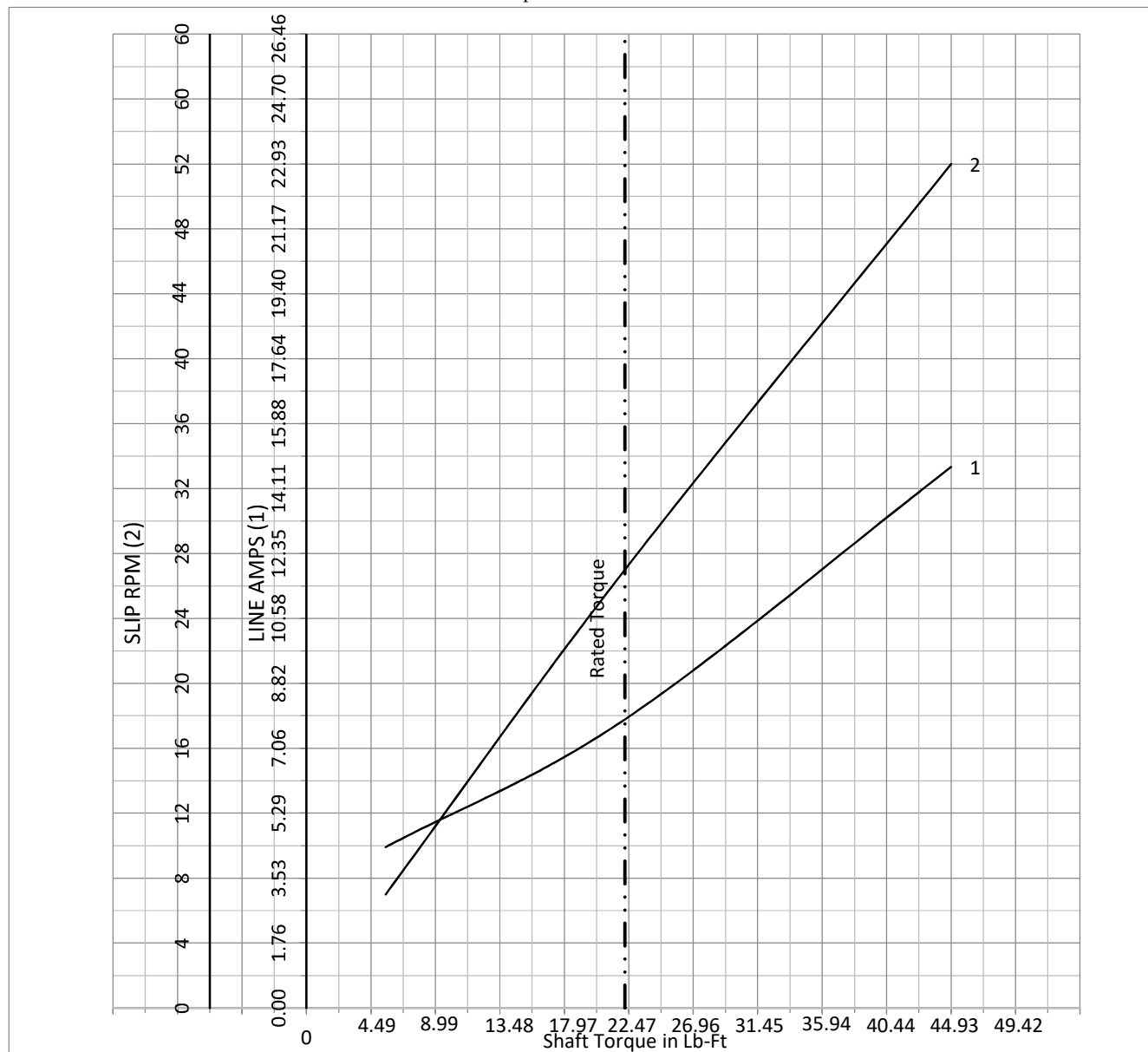
**A-C MOTOR
 PERFORMANCE
 CURVES**

07WGY729

Record: 85520

NP VOLTS	575	0	0	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	7.8	Base Volt	575	R1	0.887	X1	3.360
HP	7.5	NL AMPS	4.00	R2	0.581	X2	2.710
BASE SPEED	1773	Slip (HZ)	0.90			XM	85.200
PHASE/HZ	3/60	WK2 (lb-ft2)	1.180				

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 11/1/2024

**A-C MOTOR
PERFORMANCE
CURVES**

07WGY729

Record: 85520