

NP VOLTS	575	Base Volt 575 NL AMPS 3.66 Slip (HZ) 0.97 WK ² (lb-ft ²) 0.934	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	7.5		R1	1.180	X1	3.790
HP	7.5		R2	0.666	X2	2.890
BASE SPEED	1771				XM	85.700
PHASE/HZ	3/60					

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1771	7.5	22.1	575	60	7.7
Max Speed	2656	7.5	14.8	575	90	7.1
CT Min Speed	1.771	0.007	22.1	0.58	0.06	7.7

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	575	60	3.7
1/4	1793	1.9	5.5	575	60	4.1
1/2	1786	3.7	11.0	575	60	5.0
3/4	1779	5.6	16.6	575	60	6.2
Full Load	1771	7.5	22.1	575	60	7.7
O/L	1740	14.9	45.0	575	60	14.8

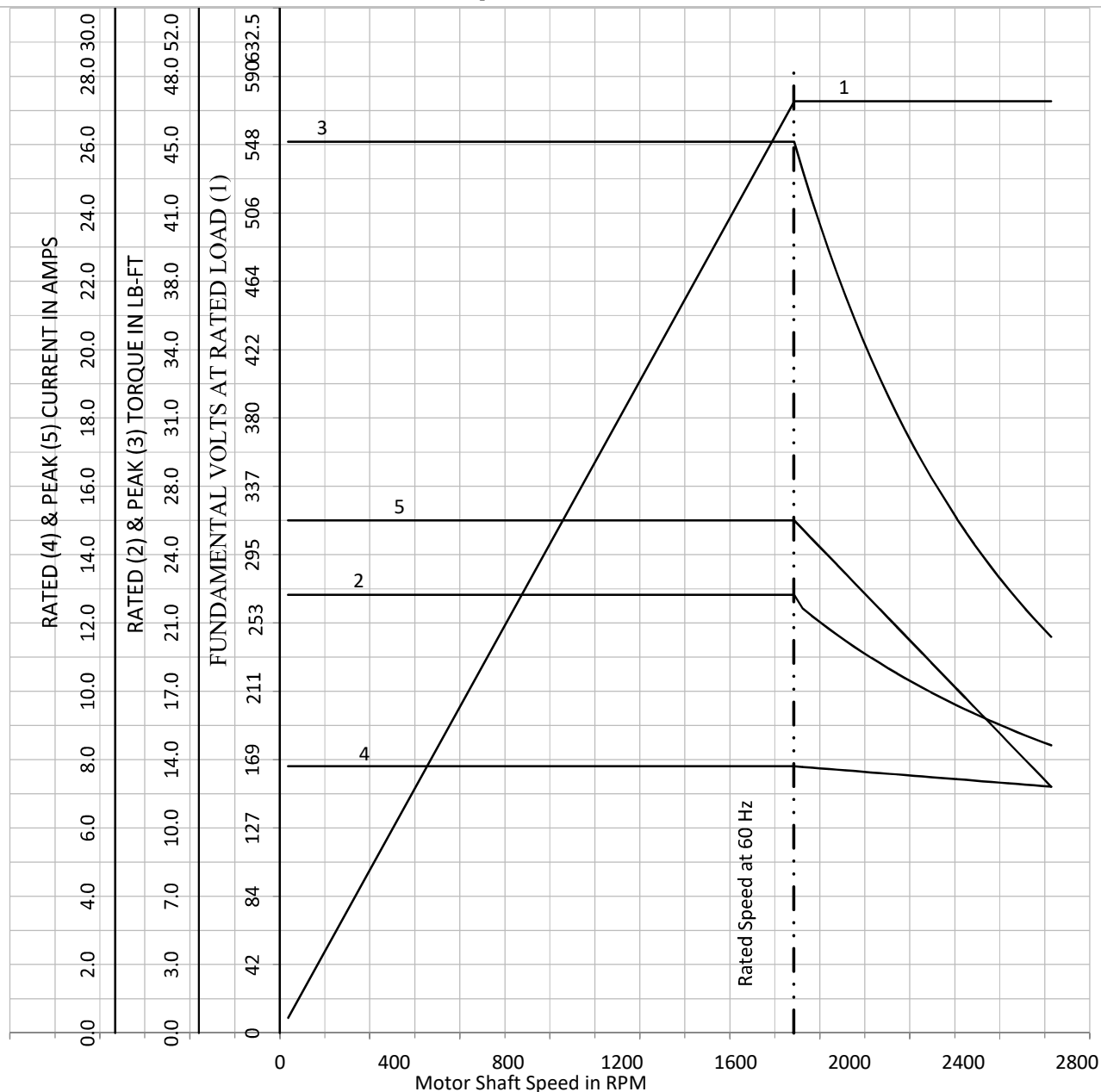
Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data

	DR BY	<u>USBRRAN1</u>	A-C MOTOR PERFORMANCE CURVES	07WGX817
	CK BY	<u>CD</u>		
	APP BY	<u>USBRRAN1</u>		
	DATE	<u>11/1/2024</u>		
			Record: 36497	

NP VOLTS	575	Base Volt	575	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	7.5			R1	1.180	X1	3.790
HP	7.5			R2	0.666	X2	2.890
BASE SPEED	1771			XM 85.700			
PHASE/HZ	3/60						
			Slip (HZ)	0.97			
			WK ² (lb-ft ²)	0.934			

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

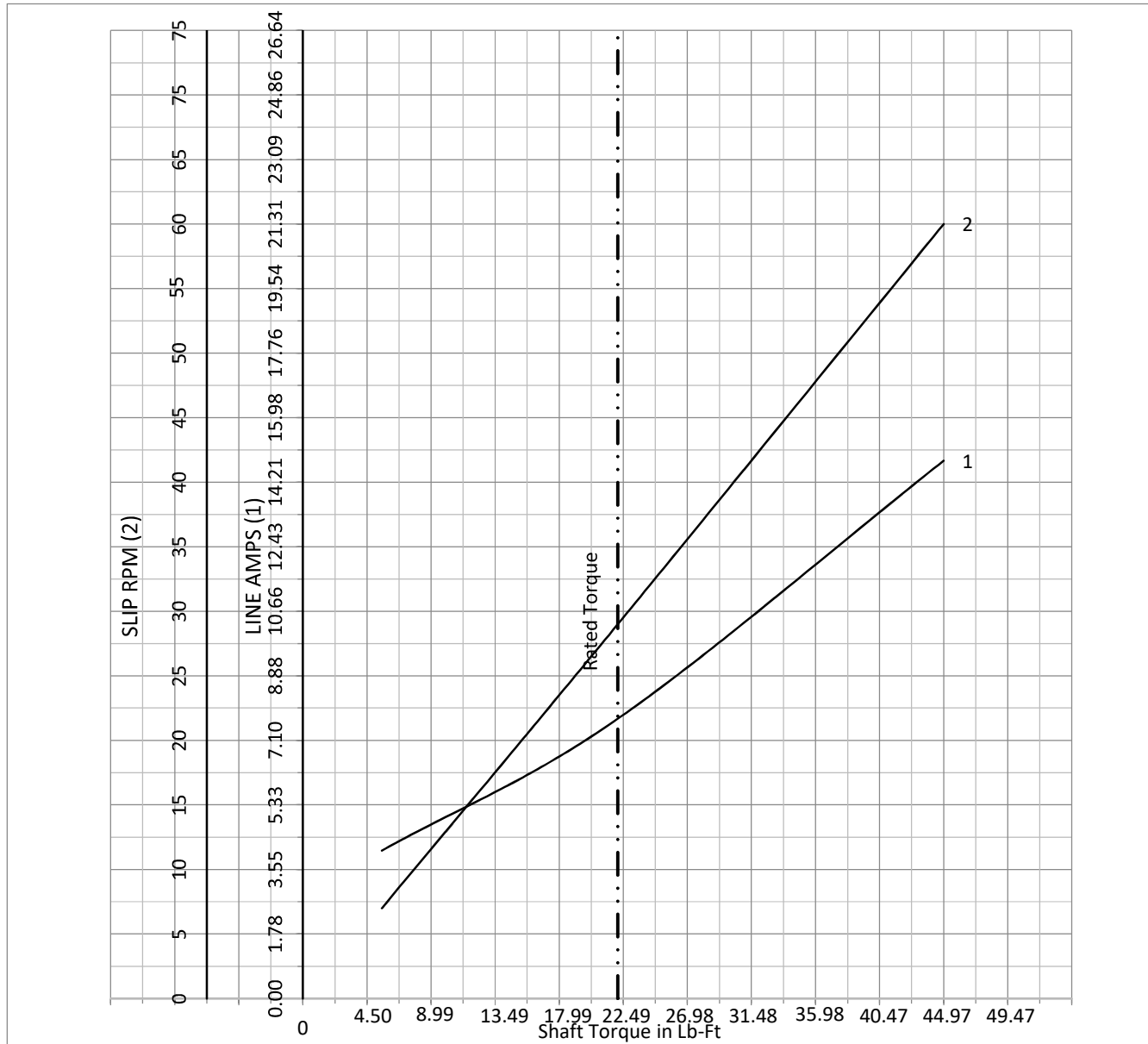
**A-C MOTOR
 PERFORMANCE
 CURVES**

07WGX817

Record: 36497

NP VOLTS	575	0	0	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	7.5	Base Volt	575	R1	1.180	X1	3.790
HP	7.5	NL AMPS	3.66	R2	0.666	X2	2.890
BASE SPEED	1771	Slip (HZ)	0.97			XM	85.700
PHASE/HZ	3/60	WK2 (lb-ft2)	0.934				

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**

07WGX817

Record: 36497