

NP VOLTS	230/460	Base Volt 460 NL AMPS 3.53 Slip (HZ) 1.27 WK ² (lb-ft ²) 1.180	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	17.8/8.9		R1	0.712	X1	2.680
HP	7.5		R2	0.463	X2	2.170
BASE SPEED	1762				XM	70.300
PHASE/HZ	3/60					

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1762	7.5	22.4	460	60	9.1
Max Speed	2642	7.5	14.9	460	90	8.8
CT Min Speed	1.762	0.008	22.4	0.46	0.06	9.1

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	460	60	3.5
1/4	1790	1.8	5.4	460	60	4.1
1/2	1781	3.8	11.1	460	60	5.4
3/4	1771	5.6	16.7	460	60	7.1
Full Load	1762	7.5	22.4	460	60	9.1
O/L	1727	15.0	45.6	460	60	18.3

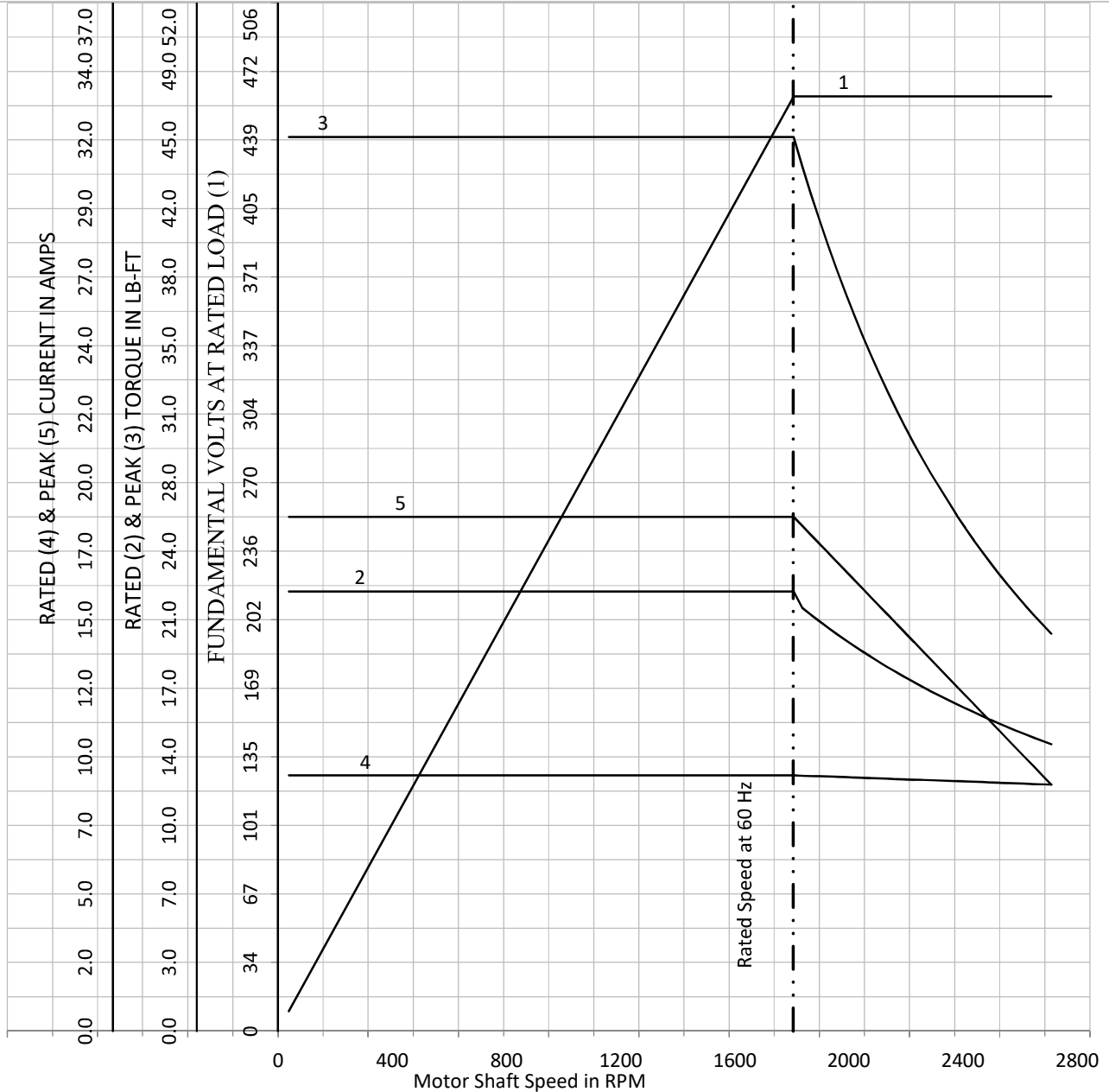
Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data

BALDOR • RELIANCE	DR BY	USBRRAN1	A-C MOTOR PERFORMANCE CURVES	07WGX647
	CK BY	CD		
	APP BY	USBRRAN1		
	DATE	11/1/2024		
				Record: 98905

NP VOLTS	230/460	Base Volt	460	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)				
NP AMPS	17.8/8.9		R1	0.712	X1	2.680		
HP	7.5		NL AMPS	3.53	R2	0.463	X2	2.170
BASE SPEED	1762		Slip (HZ)	1.27			XM	70.300
PHASE/HZ	3/60		WK ² (lb-ft ²)	1.180				

Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only



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

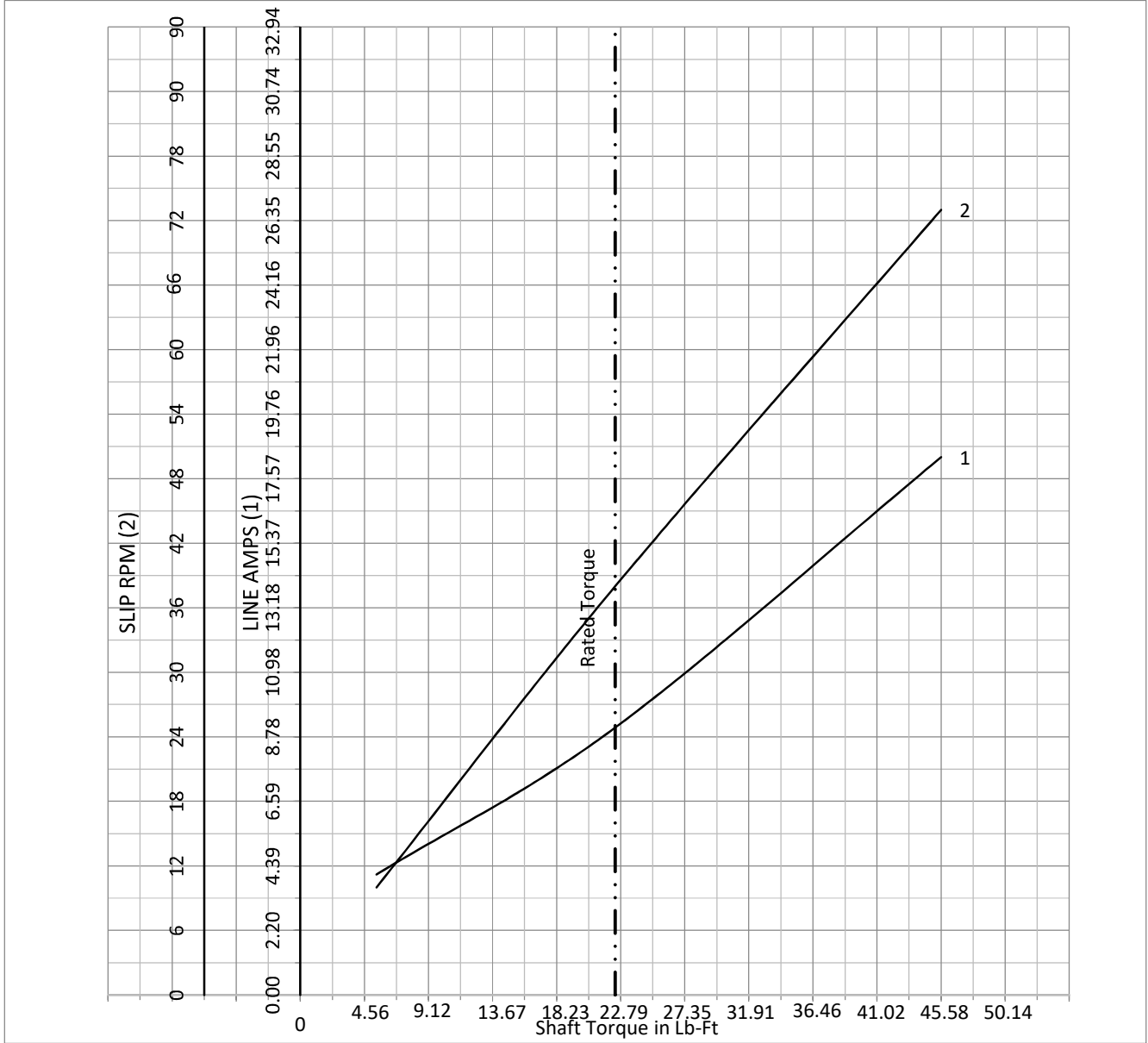
**A-C MOTOR
 PERFORMANCE
 CURVES**

07WGX647

Record: 98905

NP VOLTS	230/460	0	0	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	17.8/8.9	Base Volt	460	R1	0.712	X1	2.680
HP	7.5	NL AMPS	3.53	R2	0.463	X2	2.170
BASE SPEED	1762	Slip (HZ)	1.27			XM	70.300
PHASE/HZ	3/60	WK2 (lb-ft ²)	1.180				

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only



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

**A-C MOTOR
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 CURVES**

07WGX647

Record: 98905