

NP VOLTS	230/460	Base Volt 460 NL AMPS 4.07 Slip (HZ) 1.03 WK ² (lb-ft ²) 0.934	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	19/9.5		R1	0.784	X1	2.650
HP	7.5		R2	0.464	X2	2.040
BASE SPEED	1769				XM	62.900
PHASE/HZ	3/60					

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1769	7.5	22.3	460	60	9.4
Max Speed	2653	7.5	14.9	460	90	8.9
CT Min Speed	1.769	0.008	22.3	0.46	0.06	9.4

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	460	60	4.1
1/4	1792	1.9	5.5	460	60	4.6
1/2	1785	3.7	11.0	460	60	5.8
3/4	1777	5.6	16.6	460	60	7.5
Full Load	1769	7.5	22.3	460	60	9.4
O/L	1769	7.5	22.3	460	60	9.4

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

Remarks: Calculated Data

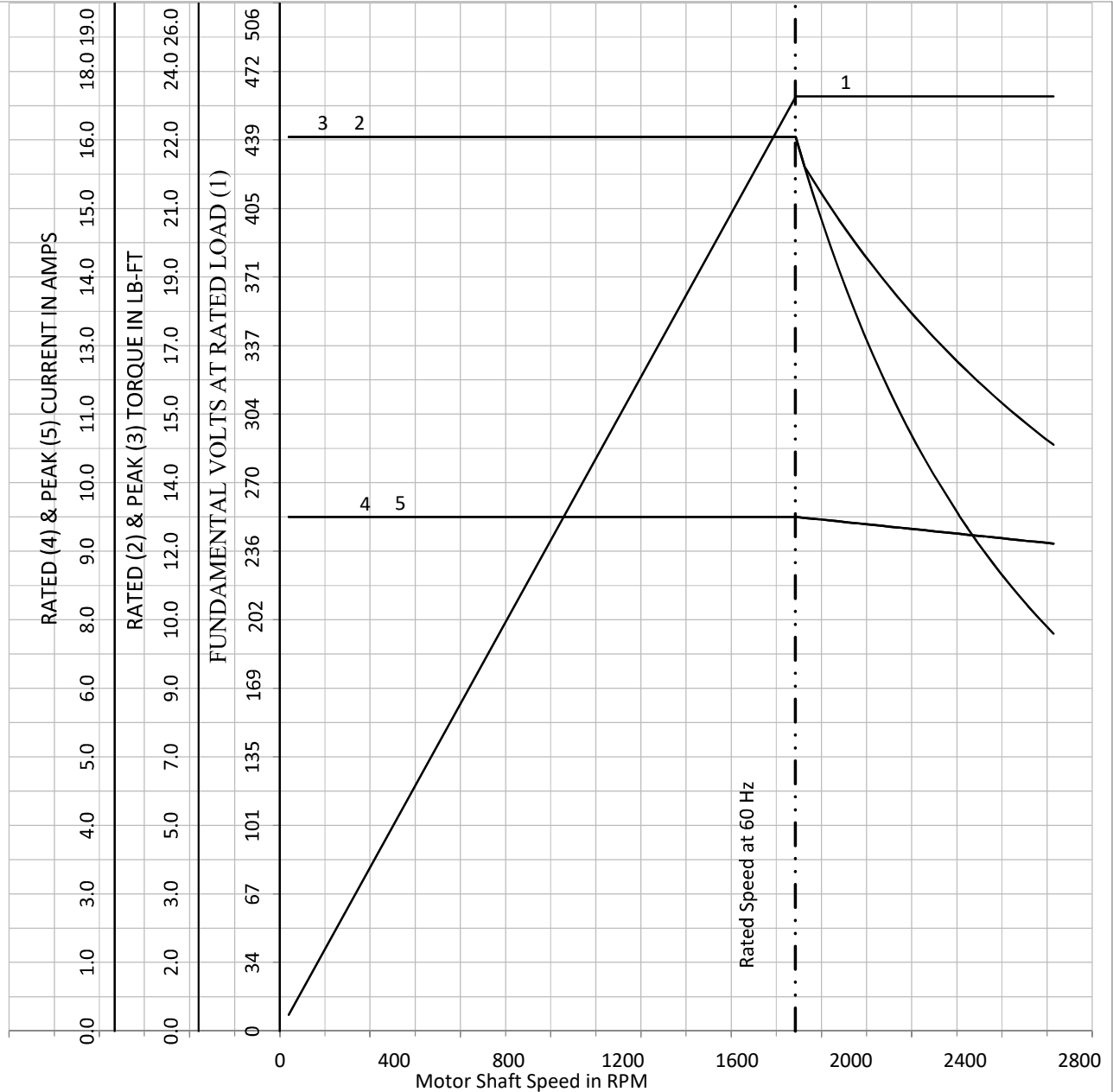
BALDOR • RELIANCE	DR BY	USBRRAN1	A-C MOTOR PERFORMANCE CURVES	07WGT510
	CK BY	CD		
	APP BY	USBRRAN1		
	DATE	11/1/2024		
				Record: 86626

NP VOLTS 230/460
 NP AMPS 19/9.5
 HP 7.5
 BASE SPEED 1769
 PHASE/HZ 3/60

Base Volt 460
 NL AMPS 4.07
 Slip (HZ) 1.03
 WK² (lb-ft²) 0.934

WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)
 R1 0.784 X1 2.650
 R2 0.464 X2 2.040
 XM 62.900

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

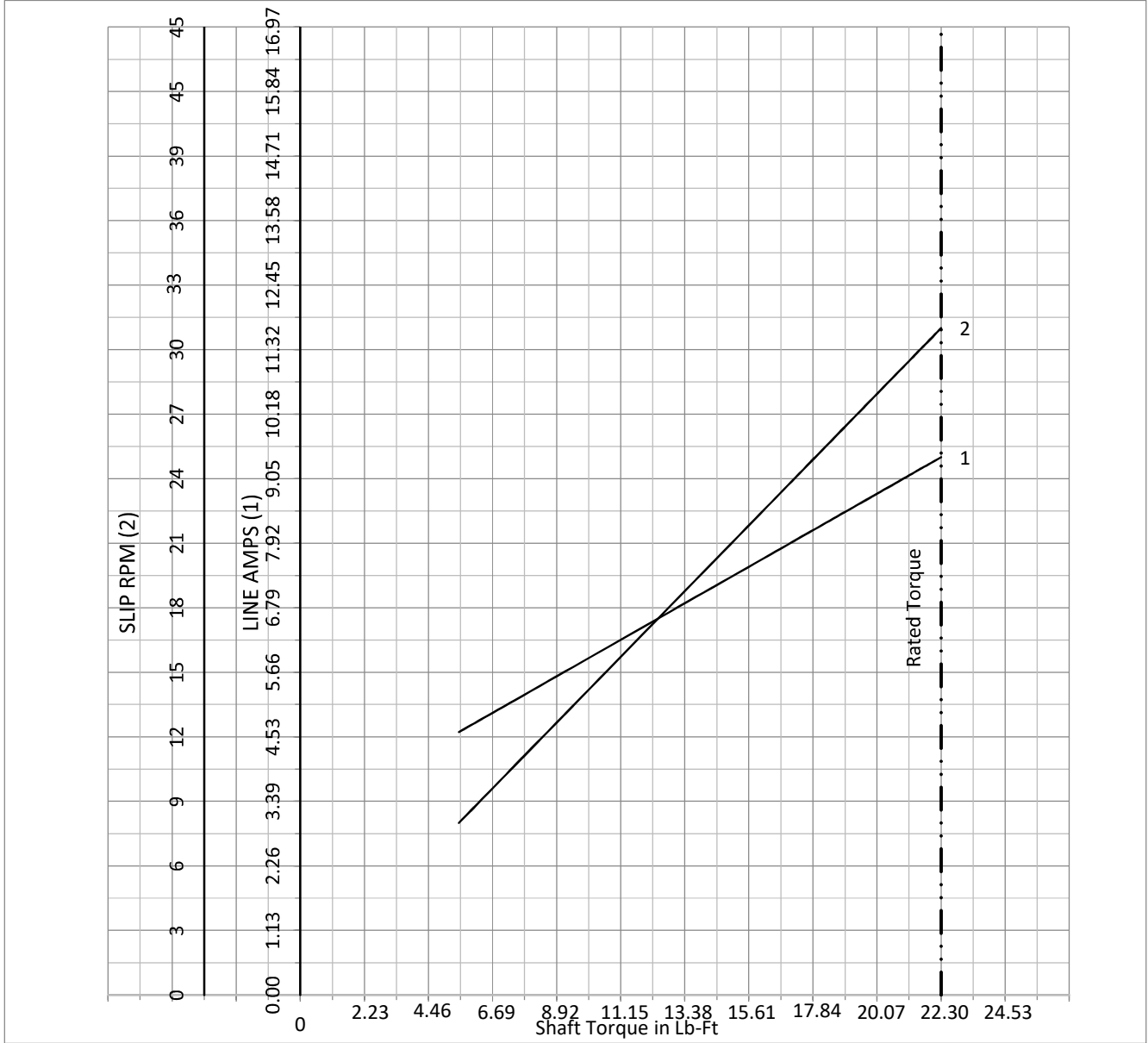
**A-C MOTOR
 PERFORMANCE
 CURVES**

07WGT510

Record: 86626

NP VOLTS	230/460	0	0	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	19/9.5	Base Volt	460	R1	0.784	X1	2.650
HP	7.5	NL AMPS	4.07	R2	0.464	X2	2.040
BASE SPEED	1769	Slip (HZ)	1.03			XM	62.900
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



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

**A-C MOTOR
 PERFORMANCE
 CURVES**

07WGT510

Record: 86626