

NP VOLTS	230/460	MAX SAFE RPM	2700	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	36.2/18.1	Base Volt	460	R1	0.296	X1	1.130
HP	15HP	NL AMPS	7.6	R2	0.238	X2	1.330
BASE SPEED	1765	Slips	1.17			XM	33.900
PHASE/HZ	3/60	WK <sup>2</sup> (lb-ft <sup>2</sup> )	1.92				

### Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1765	15.0	44.5	460	60	18.1
Max Speed	2646	15.0	29.7	460	90	17.2
Min Speed	0	0.0	44.5	23.08	1.17	18.1

### Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	460	60	7.6
1/4	1791	3.7	10.8	460	60	8.6
1/2	1783	7.5	22.1	460	60	11.0
3/4	1774	11.3	33.3	460	60	14.5
Full Load	1765	15.0	44.5	460	60	18.1
O/L	1730	29.9	90.8	460	60	36.1

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

Remarks: Calculated Data  
Vector PWM Inverter Duty



DR BY BR  
 CK BY  
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 DATE 10/31/2024

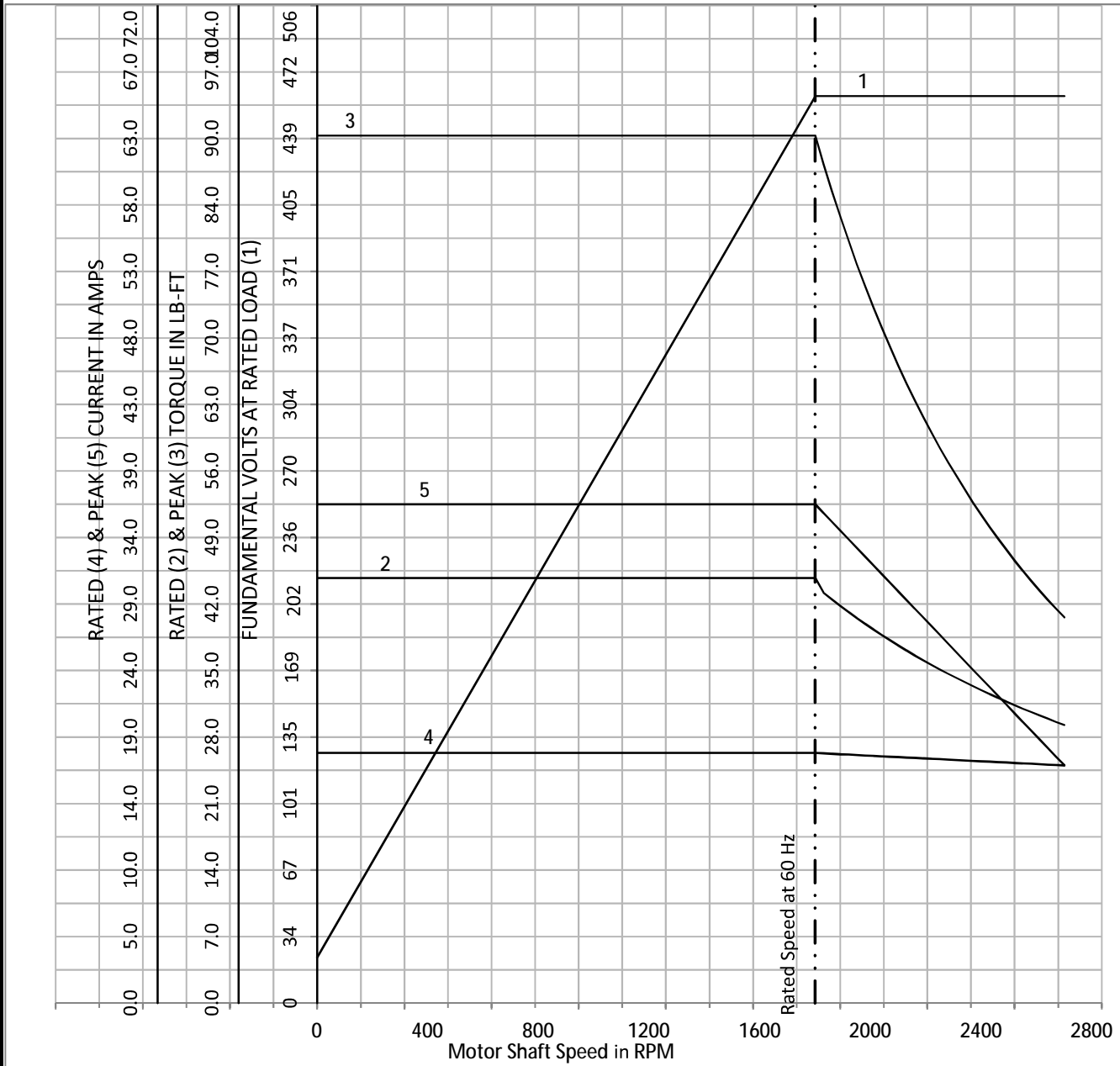
A-C MOTOR **09WGT597**  
 PERFORMANCE  
 CURVES

NP VOLTS 230/460  
 NP AMPS 36.2/18.1  
 HP 15HP  
 BASE SPEED 1765  
 PHASE/HZ 3/60

MAX SAFE RPM 2700  
 Base Volt 460  
 NL AMPS 7.56  
 Slips 1.16666667  
 WK2 (lb-ft<sup>2</sup>) 1.92

WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)  
 R1 0.296 X1 1.13  
 R2 0.238 X2 1.33  
 XM 33.9000

Vector PWM Inverter Duty  
 Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only



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A-C MOTOR  
 PERFORMANCE  
 CURVES

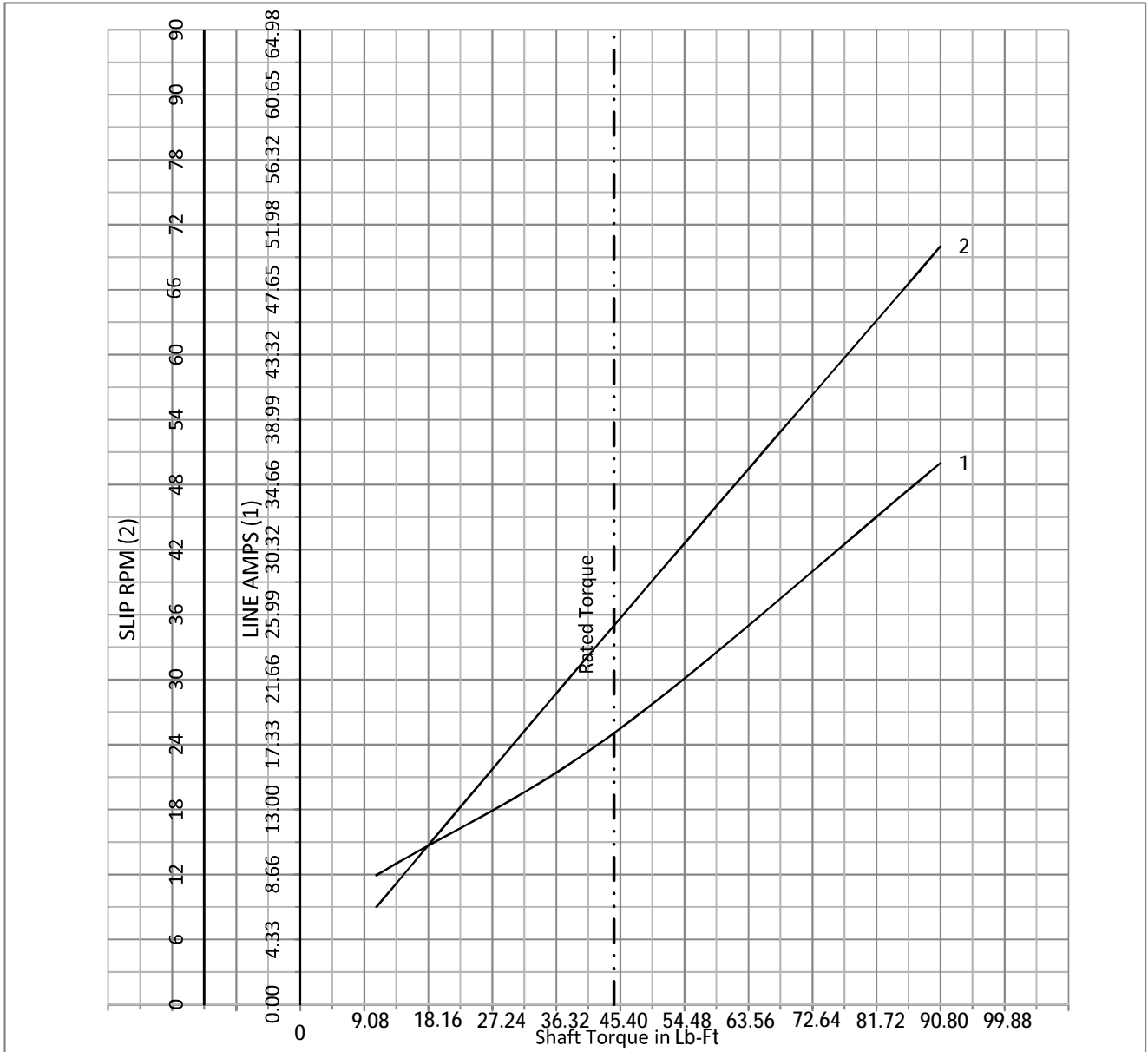
09WGT597

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 R1 0.296 X1 1.13  
 R2 0.238 X2 1.33  
 XM 33.9

Vector PWM Inverter Duty  
 Variable Speed AC Motor Curves



Calculated Data  
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A-C MOTOR 09WGT597  
 PERFORMANCE CURVES