

NP VOLTS	230/460	MAX SAFE RPM	2700	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	116/58	Base Volt	460	R1	0.056	X1	0.352
HP	50HP	NL AMPS	19.8	R2	0.050	X2	0.440
BASE SPEED	1775	Slips	0.83			XM	11.900
PHASE/HZ	3/60	WK ² (lb-ft ²)	9.59				

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1778	49.8	147.0	460	60	57.6
Max Speed	2665	49.8	98.1	460	90	56.0
Min Speed	0	0.0	147.0	14.88	0.83	57.6

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	460	60	19.8
1/4	1795	12.3	36.1	460	60	24.2
1/2	1789	24.8	72.8	460	60	33.5
3/4	1784	37.4	110.0	460	60	44.7
Full Load	1778	49.8	147.0	460	60	57.6
O/L	1754	99.6	298.0	460	60	116.0

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

Remarks: Calculated Data
Vector PWM Inverter Duty



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A-C MOTOR **12WGY141**
 PERFORMANCE
 CURVES

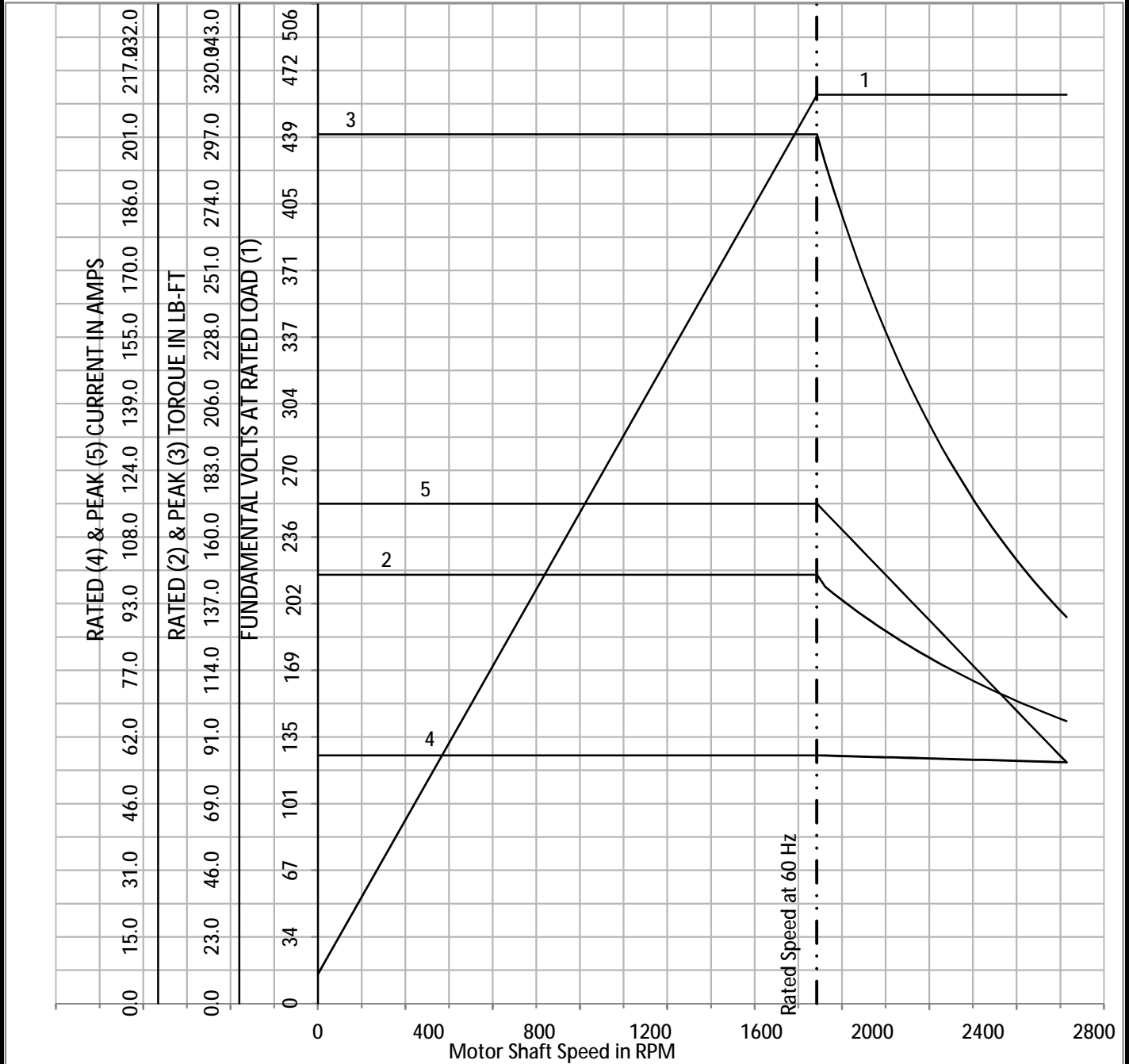
NP VOLTS 230/460
 NP AMPS 116/58
 HP 50HP
 BASE SPEED 1775
 PHASE/HZ 3/60

MAX SAFE RPM 2700
 Base Volt 460
 NL AMPS 19.8
 Slips 0.833333333
 WK2 (lb-ft²) 9.59

WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)

R1	0.0559	X1	0.352
R2	0.0497	X2	0.44
		XM	11.9000

Vector PWM Inverter Duty
 Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

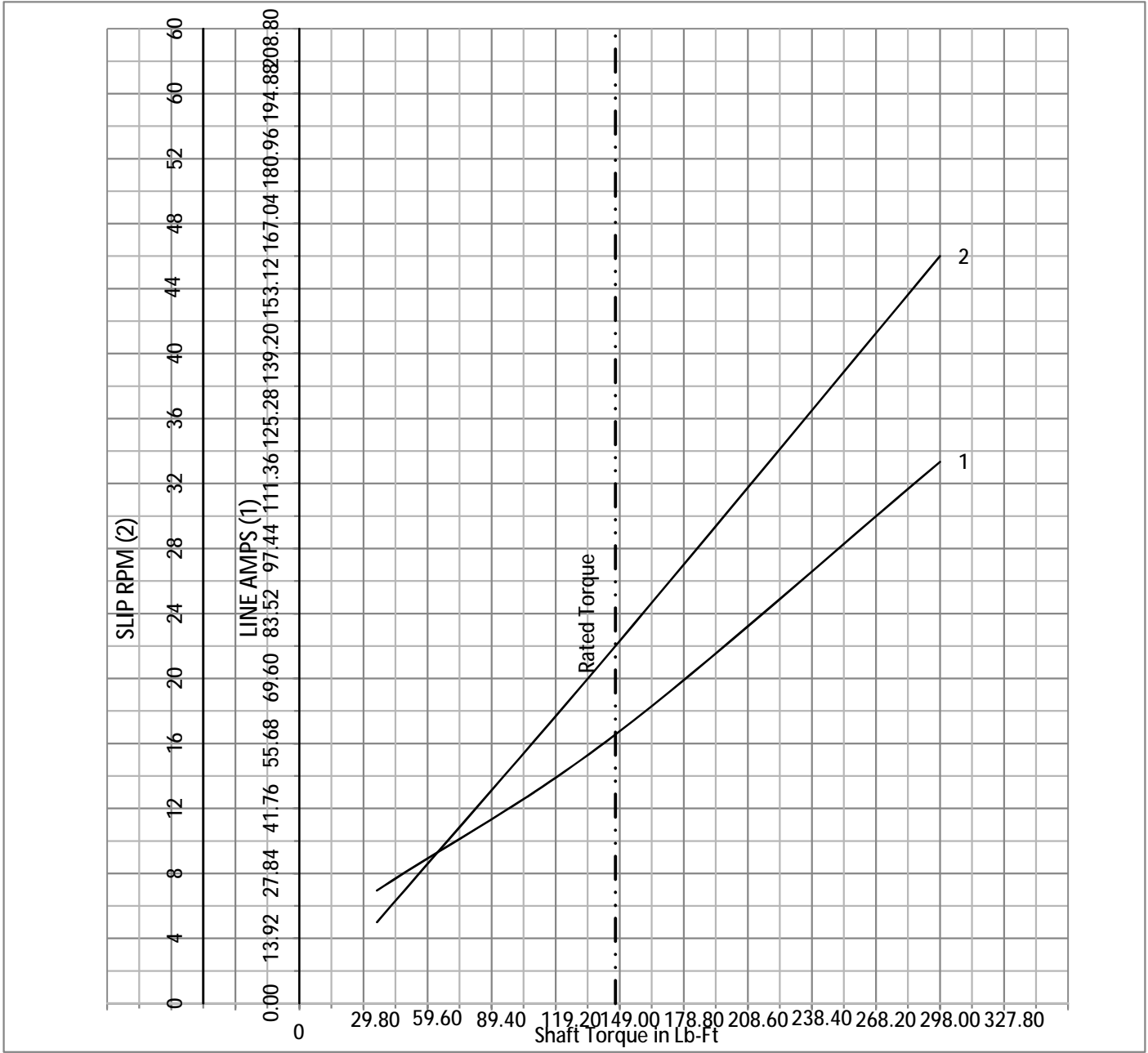


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A-C MOTOR **12WGY141**
 PERFORMANCE
 CURVES

NP VOLTS	230/460	MAX SAFE RPM	2700	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	116/58	Base Volt	460	R1	0.0559	X1	0.352
HP	50HP	NL AMPS	19.8	R2	0.0497	X2	0.44
BASE SPEED	1775	Slips	0.833333333			XM	11.9
PHASE/HZ	3/60	WK2 (lb-ft)	9.59				

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 **12WGY141**
PERFORMANCE
CURVES