

NP VOLTS	230/460	MAX SAFE RPM	3900	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	78/39	Base Volt	460	R1	0.118	X1	0.692
HP	30HP	NL AMPS	17.2	R2	0.086	X2	0.688
BASE SPEED	1180	Slips (Hz)	0.85			XM	14.900
PHASE/HZ	3/60	WK ² (lb-ft ²)	12.2				

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1183	30.0	133.0	460	60	38.7
Max Speed	1774	30.0	88.7	460	90	36.7
Min Speed	0	0.0	133.0	20.98	0.85	38.7

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1199	0.0	0.0	460	60	17.2
1/4	1197	7.6	33.3	460	60	19.2
1/2	1192	15.1	66.5	460	60	24.1
3/4	1188	22.6	100.0	460	60	31.0
Full Load	1183	30.0	133.0	460	60	38.7
O/L	1165	59.9	270.0	460	60	76.6

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

Remarks: Calculated Data
Vector PWM Inverter Duty

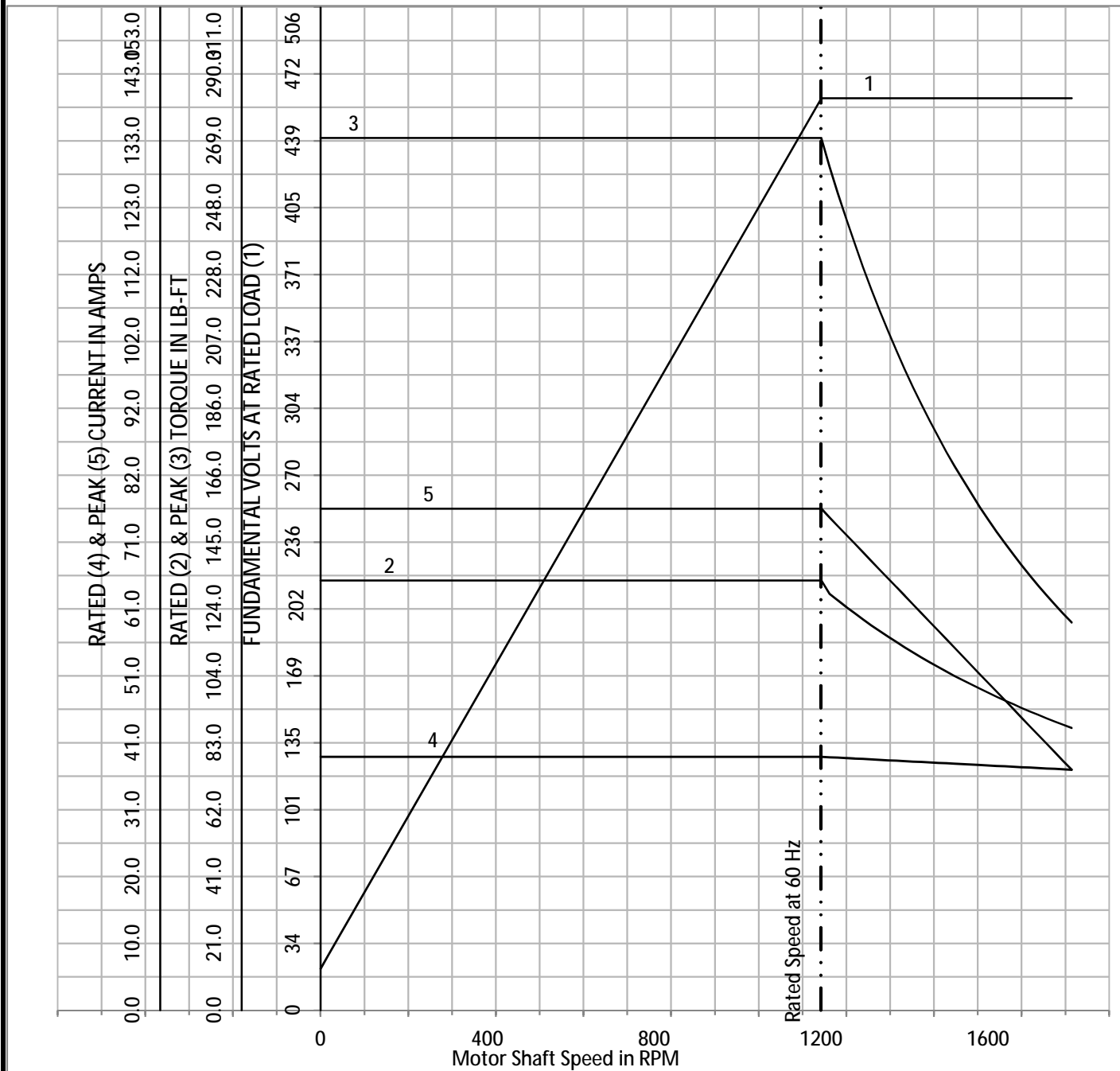


DR BY BR
 CK BY
 APP BY BR
 DATE 3/28/2017

A-C MOTOR **12WGY812**
 PERFORMANCE
 CURVES

NP VOLTS	230/460	MAX SAFE RPM	3900	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	78/39	Base Volt	460	R1	0.118	X1	0.692
HP	30HP	NL AMPS	17.2	R2	0.086	X2	0.688
BASE SPEED	1180	Slips (Hz)	0.85			XM	14.900
PHASE/HZ	3/60	WK2 (lb-ft2)	12.2				

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

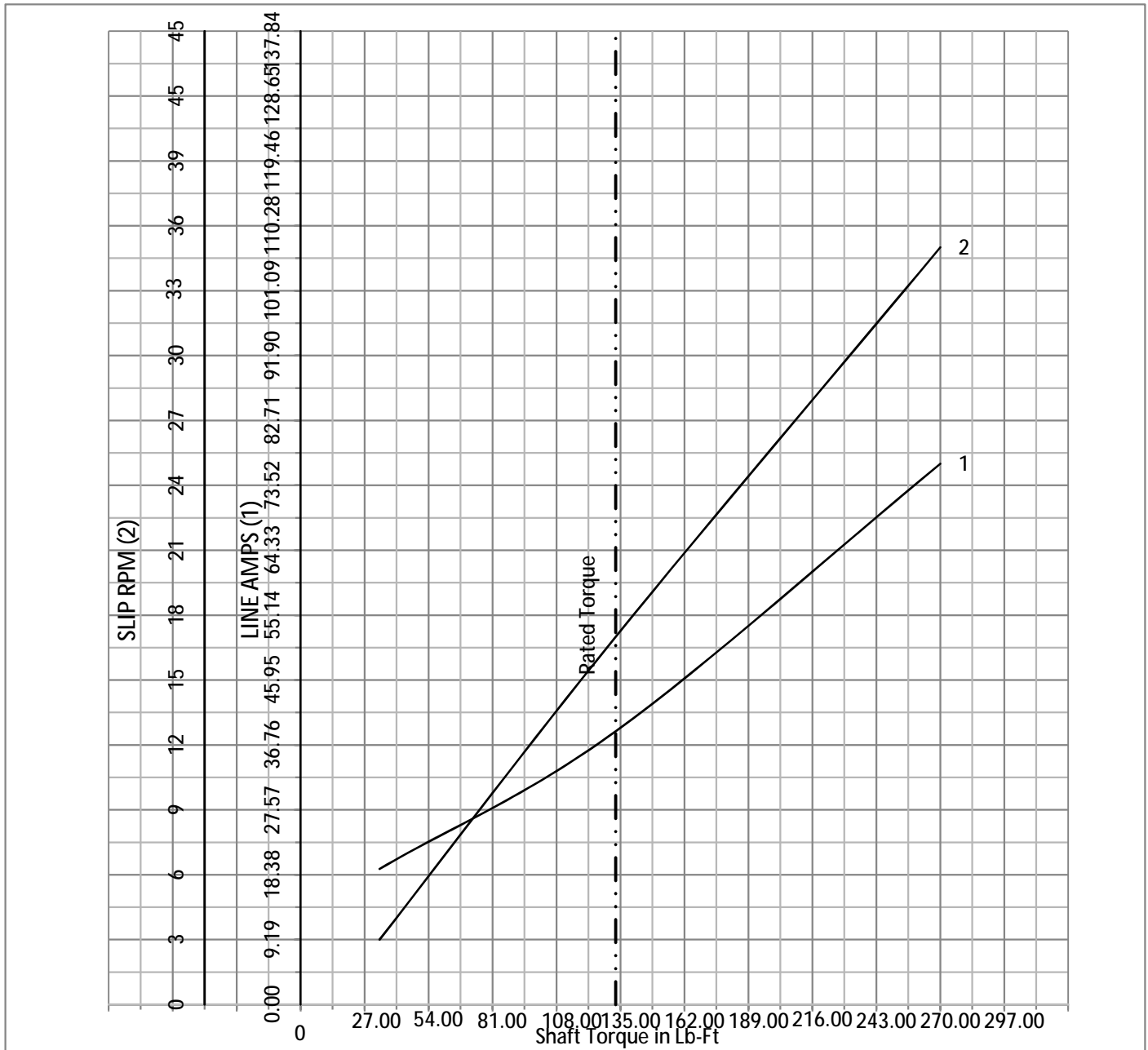


DR BY BR
 CK BY
 APP BY BR
 DATE 3/28/2017

A-C MOTOR **12WGY812**
 PERFORMANCE
 CURVES

NP VOLTS	230/460	MAX SAFE RPM	3900	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	78/39	Base Volt	460	R1	0.118	X1	0.692
HP	30HP	NL AMPS	17.2	R2	0.086	X2	0.688
BASE SPEED	1180	Slips (Hz)	0.85			XM	14.900
PHASE/HZ	3/60	WK2 (lb-ft ²)	12.2				

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only



DR BY BR
 CK BY
 APP BY BR
 DATE 3/28/2017

A-C MOTOR **12WGY812**
 PERFORMANCE
 CURVES