

Catalog	IDVSNM2237T	NP VOLTS	230/460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
FRAME	215TC	NP AMPS	17.8/8.9	MAX SAFE RPM	2700				
HP	7.5	DUTY	Cont	NL AMPS	3.53	R1	0.712	X1	2.675
BASE SPEED	1760	S.F.	1.00	P.F. @NL/FL	0/82	R2	0.463	X2	2.17
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/F	WK ² (lb-ft ²)	1.18			XM	70.294

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1762	7.5	22.4	460	60	9.1
Max Speed	2700	7.6	14.8	460	90	8.8
Min Speed	0	0.0	22.4	26.81	1.27	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	14.8	45.0	460	60	18.0

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

Remarks: Calculated Data
Vector PWM Inverter Duty

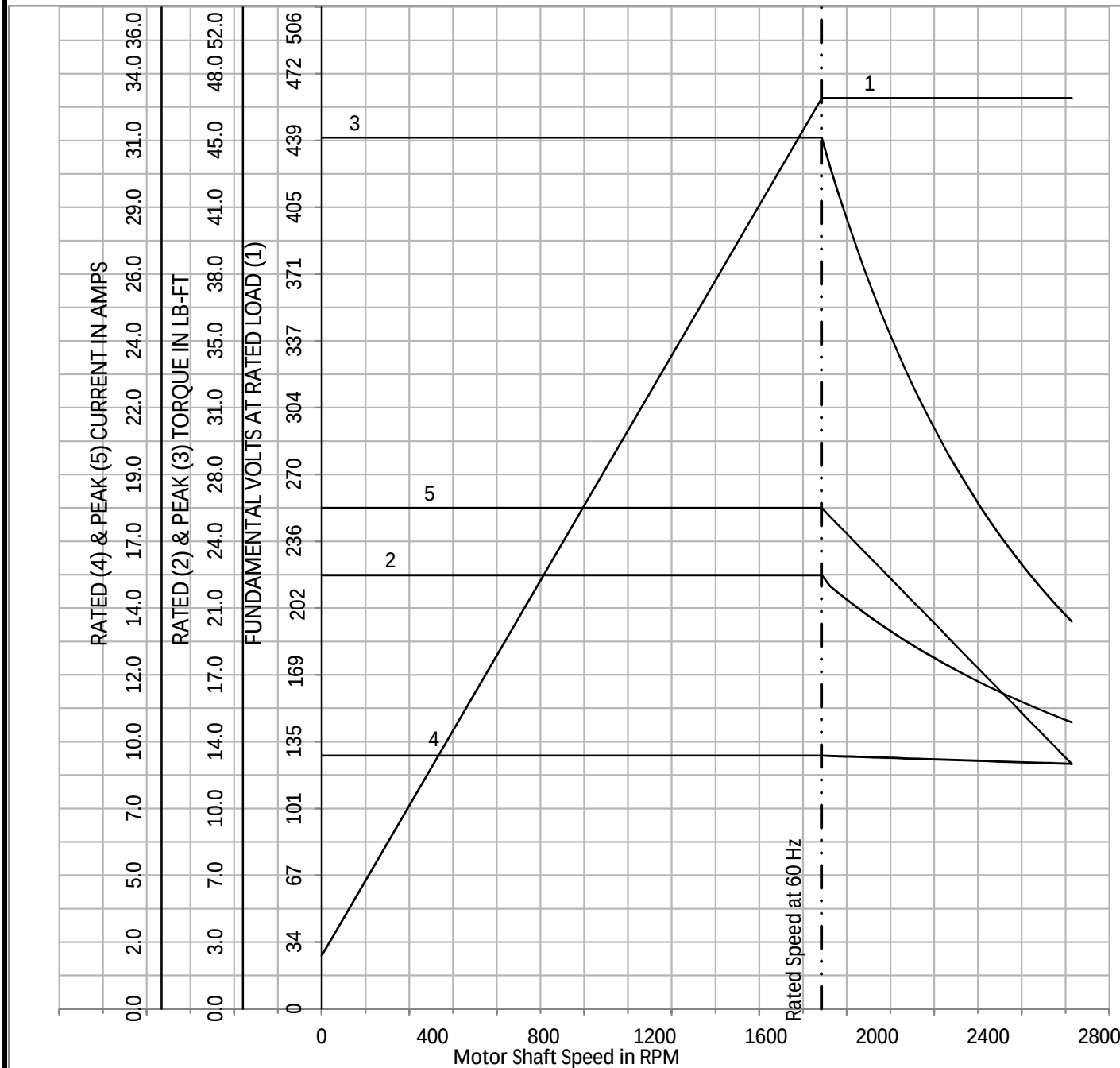


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Catalog	IDVSNM2237T	VOLTS	230/460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	215TC	AMPS	17.8/8.9	MAX SAFE RPM	2700	(AT BASE RATING, 25°C)			
HP	7.5	DUTY	Cont	In (AMPS)	3.53	R1	0.7120	X1	2.6750
BASE SPEED	1760	S.F.	1.00	P.F. @NL/FL	0/82	R2	0.4630	X2	2.1740
PHASE/HZ	3/60	AMB ⁰ C/INS ¹	40/F	WK ² (lb-ft ²)	1.18			XM	70.2940

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

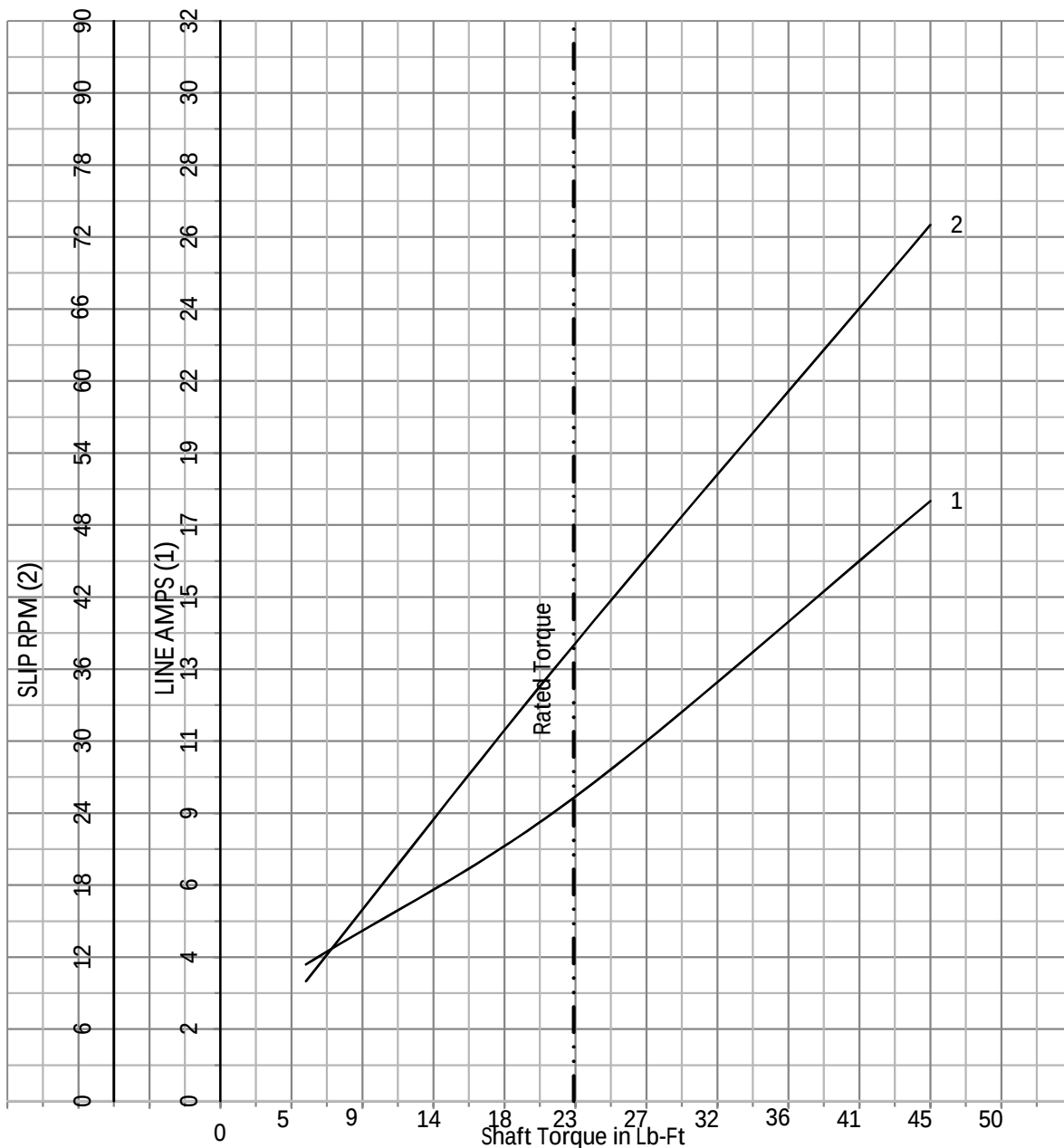


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CURVES
07M290X647G1
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Catalog	IDVSNM2237T	NP VOLTS	230/460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	215TC	NP AMPS	17.8/8.9	MAX SAFE RPM	2700	(AT BASE RATING, 25°C)			
HP	7.5	DUTY	Cont	NL AMPS	3.53	R1	0.712	X1	2.675
BASE SPEED	1760	S.F.	1.00	P.F. @NL/FL	0/82	R2	0.463	X2	2.174
PHASE/HZ	3/60	AMB ⁰ C/INSUL	40/F	WK ² (lb-ft ²)	1.18			XM	70.294

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

BALDOR
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