

REL S.O.	ZDVSM3774T	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	215TC	AMPS	12.5	MAX SAFE RPM	6000	(AT BASE RATING, 25°C)			
HP	10	DUTY	CONT	In (AMPS)	5.1	R1	0.5070	X1	1.9720
BASE SPEED	1760	S.F.	1.0	P.F. @NL/FL	4/82	R2	0.3420	X2	1.5800
PHASE/HZ	3/60	AMB°C/INSUL	40/F	WK ² (lb-ft ²)	1.18			XM	48.3000

Rated Full Load Data


	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1762	10.0	29.80	460	60	12.30
Max Speed	2655	10.1	20.05	460	90	11.98
Min Speed	0	0.0	22.13	26.70	1.27	12.30

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.00	460	60	5.10
1/4	1790	2.5	7.29	460	60	5.84
1/2	1781	5.0	14.70	460	60	7.52
3/4	1771	7.5	22.30	460	60	9.75
Full Load	1762	10.0	29.80	460	60	12.30
O/L	1740	17.2	51.80	460	60	20.75

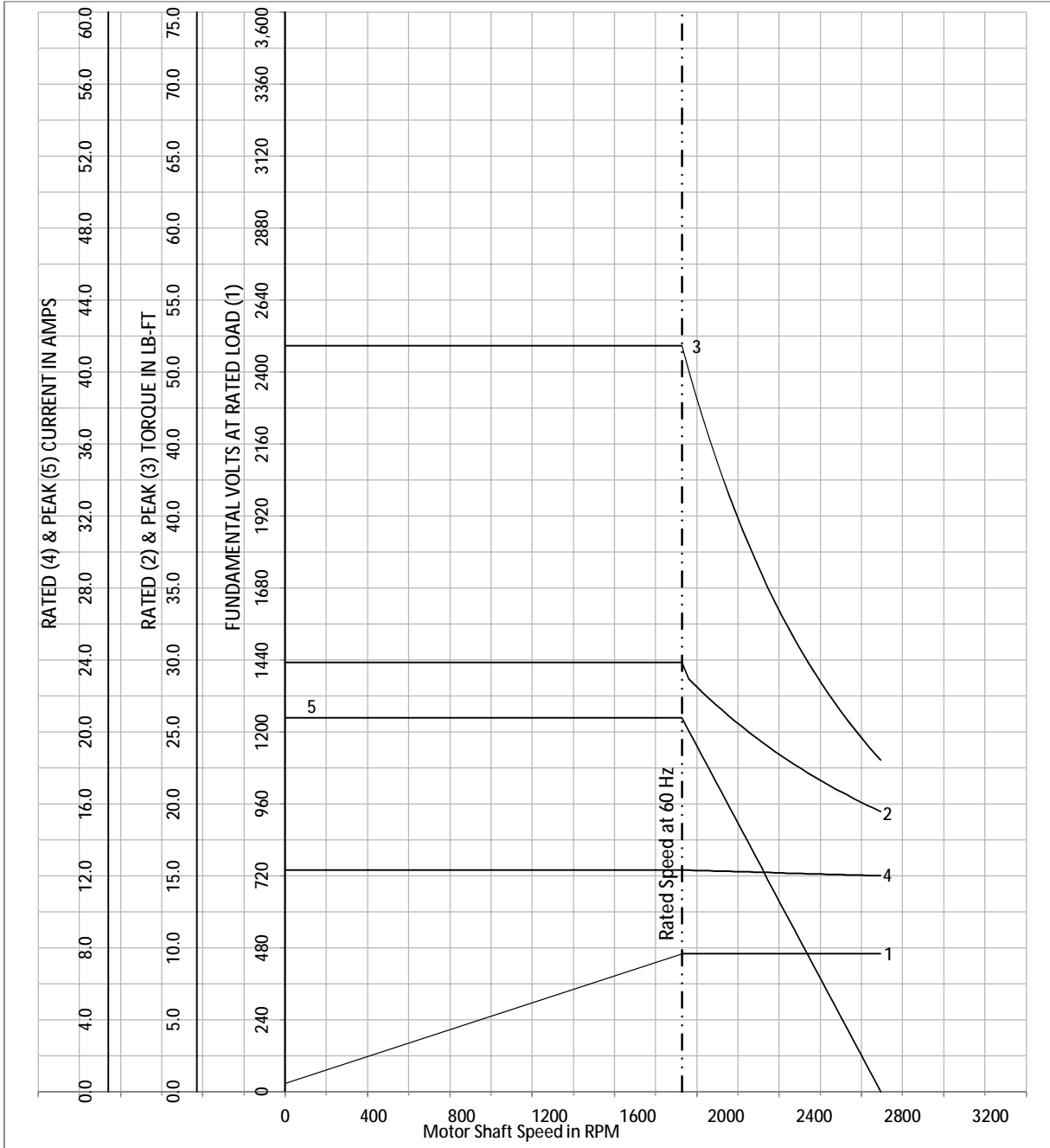
Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data
Vector PWM Inverter Duty

	DR BY <small>Micheal Williamson</small>	A-C MOTOR PERFORMANCE CURVES	07M292X776Z1
	CK BY <small>Micheal Williamson</small> APP BY <small>Micheal Williamson</small> DATE <u>5/14/2013</u>		

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Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only



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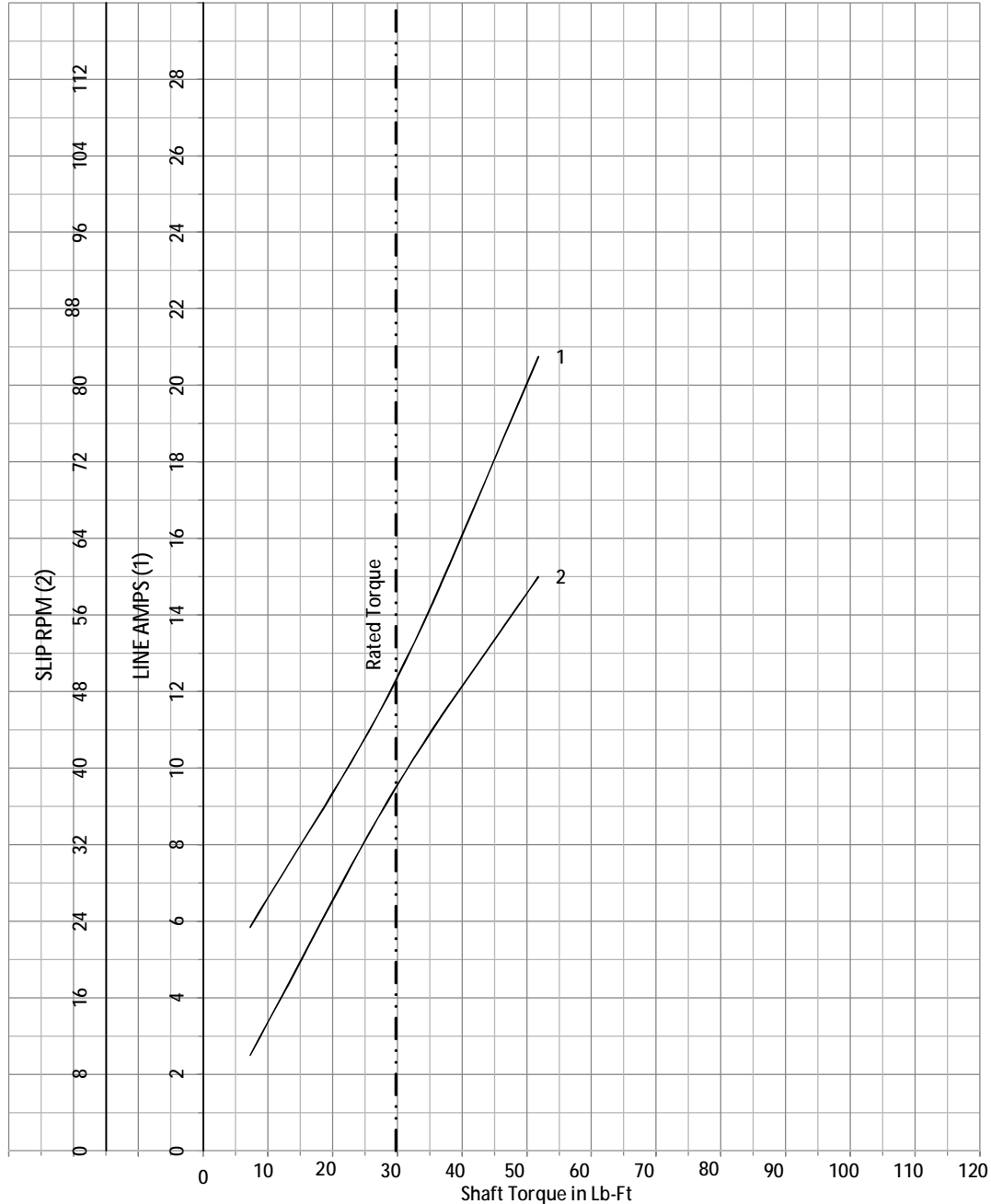
A-C MOTOR PERFORMANCE
CURVES

07M292X776Z1

SH 1 of 2
ISSUE DATE 5/14/2013

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SH 2 of 2
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