

REL S.O.	ZDVSM3665T	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	184TC	AMPS	6.6	MAX SAFE RPM	4000	(AT BASE RATING, 25°C)			
HP	5	DUTY	CONT	In (AMPS)	3.2	R1	1.3080	X1	3.6930
BASE SPEED	1750	S.F.	1.0	P.F. @NL/FL	6/79	R2	1.0000	X2	3.2200
PHASE/HZ	3/60	AMB°C/INSUL	40/F	WK <sup>2</sup> (lb-ft <sup>2</sup> )	0.382			XM	81.0550

### Rated Full Load Data


	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1749	5.0	15.00	460	60	6.63
Max Speed	2622	5.0	10.10	460	90	6.00
Min Speed	0	0.0	15.15	36.44	1.70	6.63

### Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.00	460	60	3.20
1/4	1788	1.3	3.75	460	60	3.48
1/2	1775	2.5	7.52	460	60	4.26
3/4	1763	3.8	11.20	460	60	5.34
Full Load	1749	5.0	15.00	460	60	6.63
O/L	1679	11.0	34.50	460	60	14.50

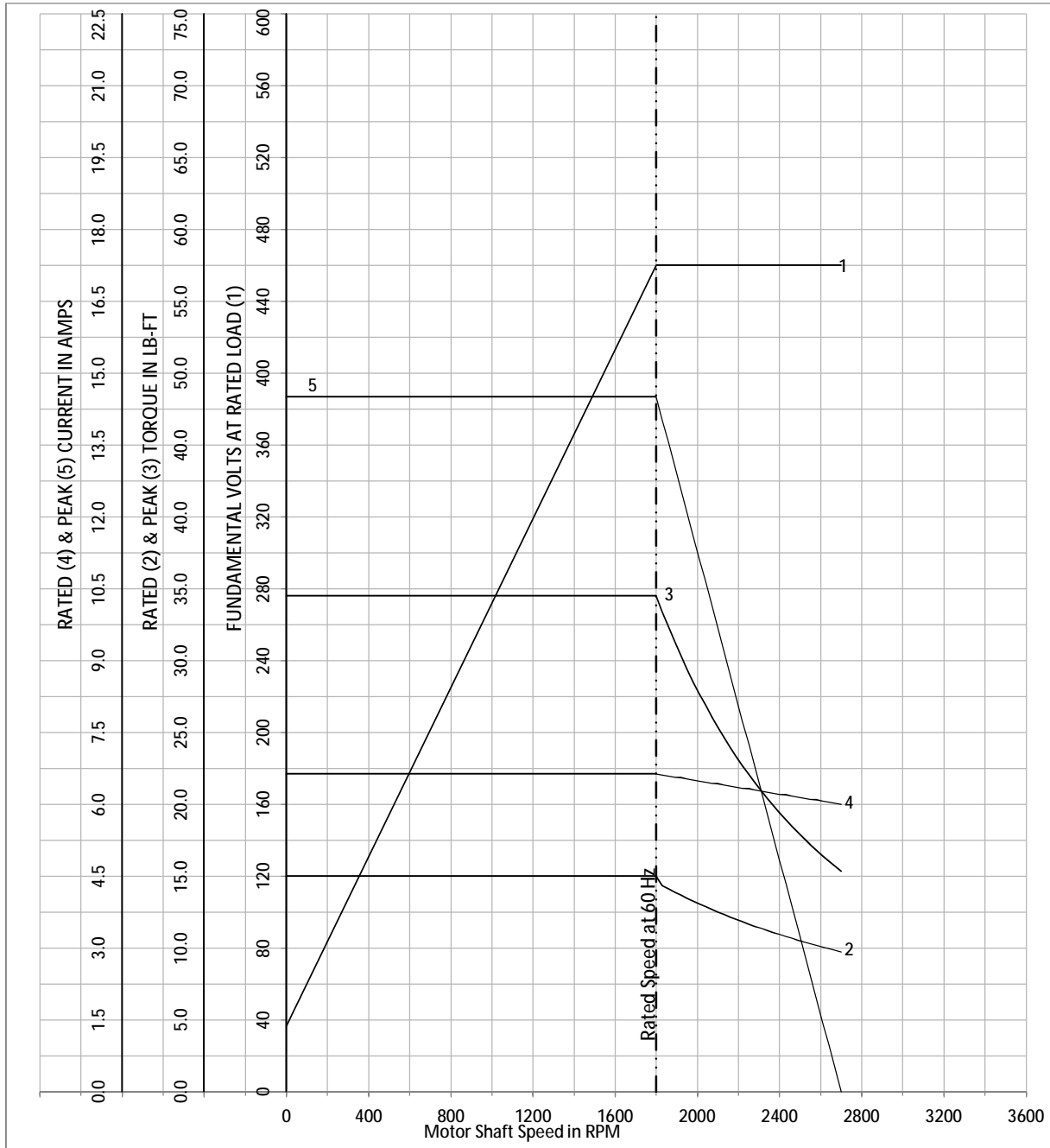
Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data  
Vector PWM Inverter Duty

 A MEMBER OF THE ABB GROUP	DR BY <small>Micheal Williamson</small>	<b>A-C MOTOR</b> <b>PERFORMANCE CURVES</b>	<b>06H928X182Z1</b>
	CK BY <small>Micheal Williamson</small> APP BY <small>Micheal Williamson</small> DATE <u>5/14/2013</u>		

REL S.O.	ZDVM3665T	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE		
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BASE SPEED	1750	S.F.	1.00	P.F. @NL/FL	6/79	R2	1.0000	X2 3.2200
PHASE/HZ	3/60	AMB <sup>0</sup> C/INSUL	40/F	WK <sup>2</sup> (lb-ft <sup>2</sup> )	0.382			XM 81.0550

Vector PWM Inverter Duty  
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only



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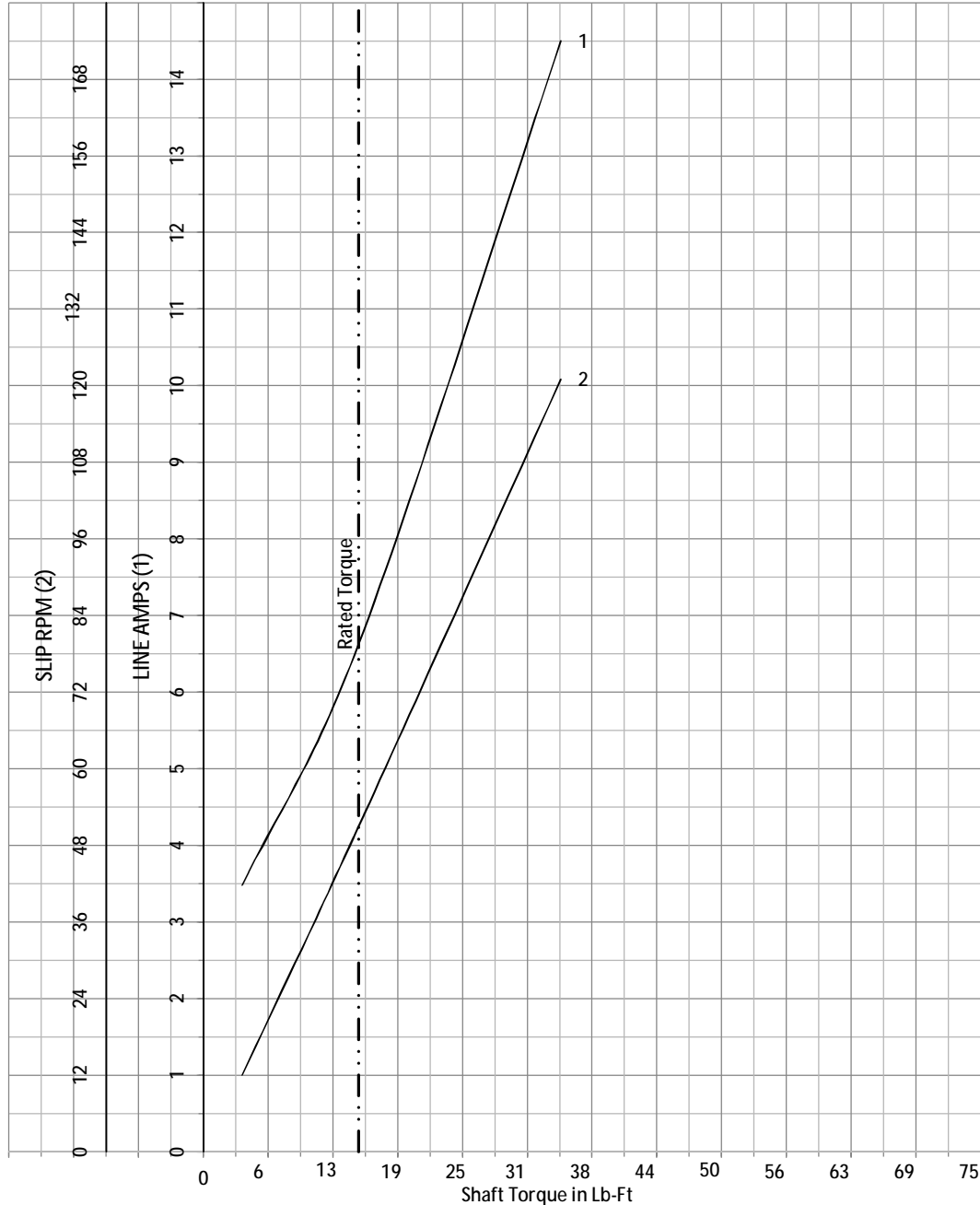
A-C MOTOR PERFORMANCE  
CURVES

06H928X182Z1

SH 1 of 2  
ISSUE DATE 5/14/2013

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BASE SPEED	1750	S.F.	1.00	P.F. @NL/FL	6/79	R2	1.0000	X2	3.2200
PHASE/HZ	3/60	AMB <sup>0</sup> C/INSUL	40/F	WK <sup>2</sup> (Lb-Ft <sup>2</sup> )	0.382			XM	81.0550

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