

REL S.O.	-	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	405T	AMPS	115	MAX SAFE RPM	3600	(AT BASE RATING, 25 °C)			
HP	100	DUTY	CONT	IM (AMPS)	37.8	R1	.0193	X1	.194
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	9.5/86.4	R2	.0142	X2	.185
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	WK ² (Lb-Ft ²)	26.07			XM	5.85

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1786	100	294	460	60	115
MAX SPEED	2678	100	196	460	90	112
MIN SPEED	0	0	294	9.60	.460	115

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	37.8
1/4	1796	25.0	73	460	60	52.9
1/2	1793	50.1	147	460	60	70.5
3/4	1790	75.0	220	460	60	91.5
FULL LOAD	1786	100	294	460	60	115
O/L	1779	149	441	460	60	167

REMARKS: CALCULATED DATA
VECTOR PWM INVERTER DUTY

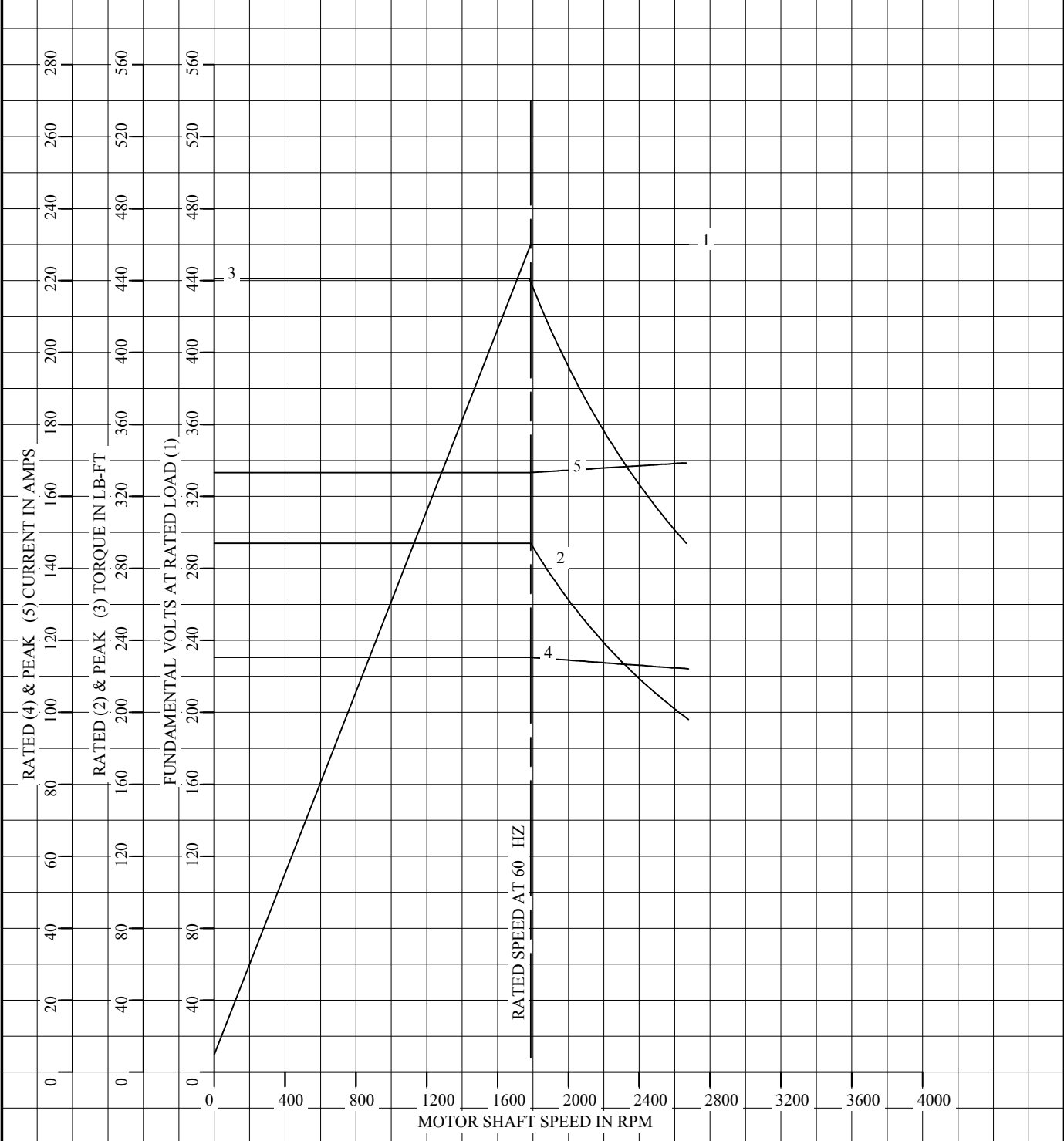


DR. BY M. ORDERS
 CK. BY J. TSAO
 APP. BY J. TSAO
 DATE 06/04/14

A-C MOTOR
PERFORMANCE DATA **A40WG0296-R002**
 ISSUE DATE 06/04/14

REL S.O.	-	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	405T	AMPS	115	MAX SAFE RPM	3600	(AT BASE RATING, 25 °C)	
HP	100	DUTY	CONT	IM (AMPS)	37.8	R1	.0193 X1 .194
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	9.5/86.4	R2	.0142 X2 .185
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	WK ² (Lb-Ft ²)	26.07		XM 5.85

VECTOR PWM INVERTER DUTY
VARIABLE SPEED AC MOTOR CURVES



REMARKS: CALCULATED DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



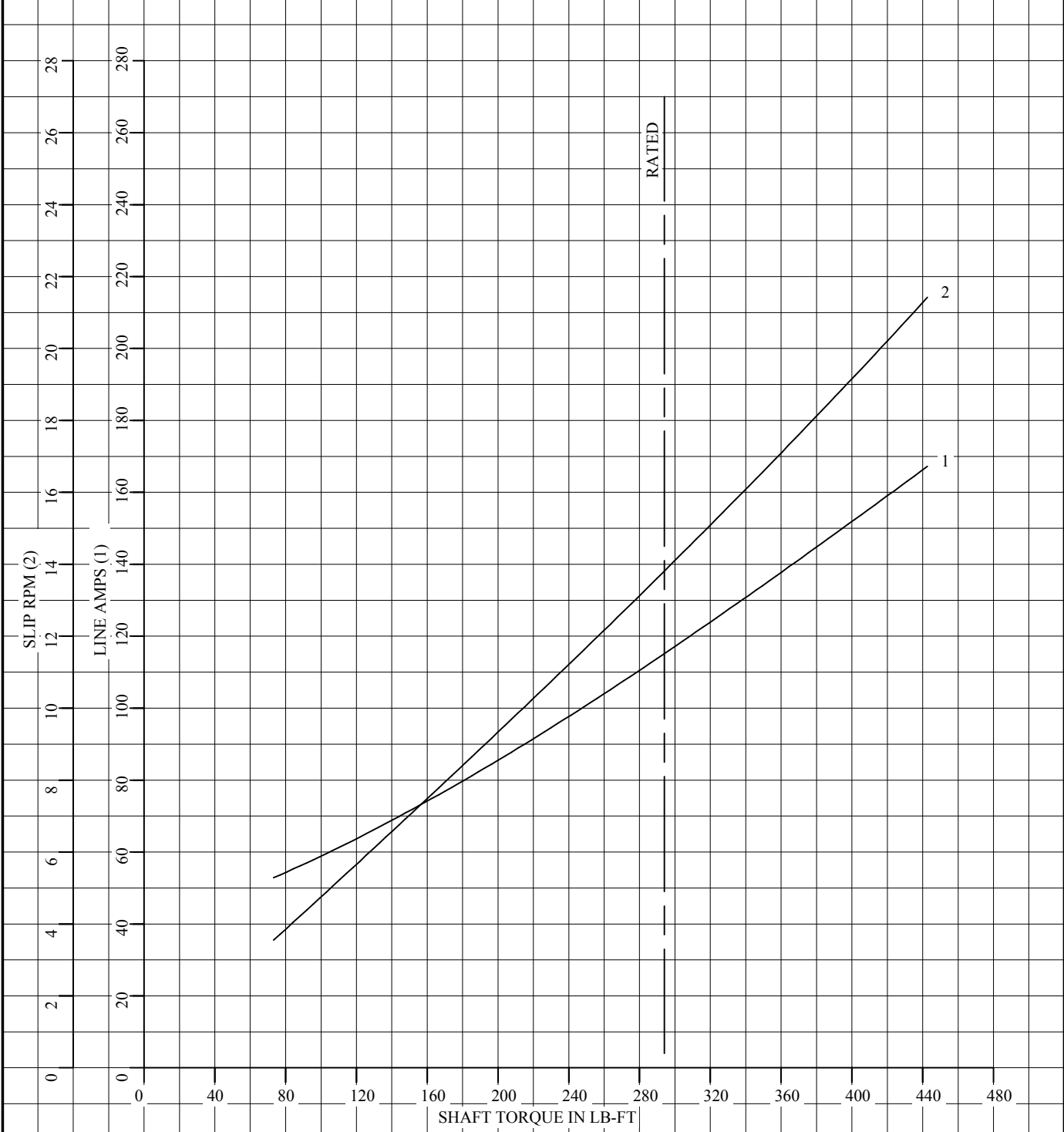
DR. BY M. ORDERS
CK. BY J. TSAO
APP. BY J. TSAO
DATE 06/04/14

A-C MOTOR
PERFORMANCE
CURVES

A40WG0296-R002
SH 1 OF 2
ISSUE DATE 06/04/14

REL S.O.	-	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	405T	AMPS	115	MAX SAFE RPM	3600	(AT BASE RATING, 25 °C)	
HP	100	DUTY	CONT	IM (AMPS)	37.8	R1	.0193
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	9.5/86.4	R2	.0142
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	WK ² (Lb-Ft ²)	26.07	X1	.194
						X2	.185
						XM	5.85

VECTOR PWM INVERTER DUTY
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



REMARKS: CALCULATED DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



DR. BY M. ORDERS
CK. BY J. TSAO
APP. BY J. TSAO
DATE 06/04/14

A-C MOTOR PERFORMANCE CURVES
A40WG0296-R002
SH 2 OF 2
ISSUE DATE 06/04/14