

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	RL2570	AMPS	91.8	MAX SAFE RPM	5000	(AT BASE RATING, 25 °C)			
HP	75	DUTY	CONT	IM (AMPS)	27.45	R1	.0803	X1	.437
BASE SPEED	1740	S.F.	1.0	P.F. @NL/FL	.063/.866	R2	.0604	X2	.394
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK <sup>2</sup> (Lb-Ft <sup>2</sup> )	3.84			XM	9.92

### RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1742	75.0	226	460	60	92.2
MAX SPEED	2002	75.0	197	460	69	91.5
MIN SPEED	0	0	226	24.0	1.93	92.2

### LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	27.0
1/4	1787	18.8	55	460	60	34.7
1/2	1774	37.6	111	460	60	50.3
3/4	1759	56.2	168	460	60	69.7
FULL LOAD	1742	75.0	226	460	60	92.2
O/L	1685	117	364	460	60	159

REMARKS: CORRELATED DATA

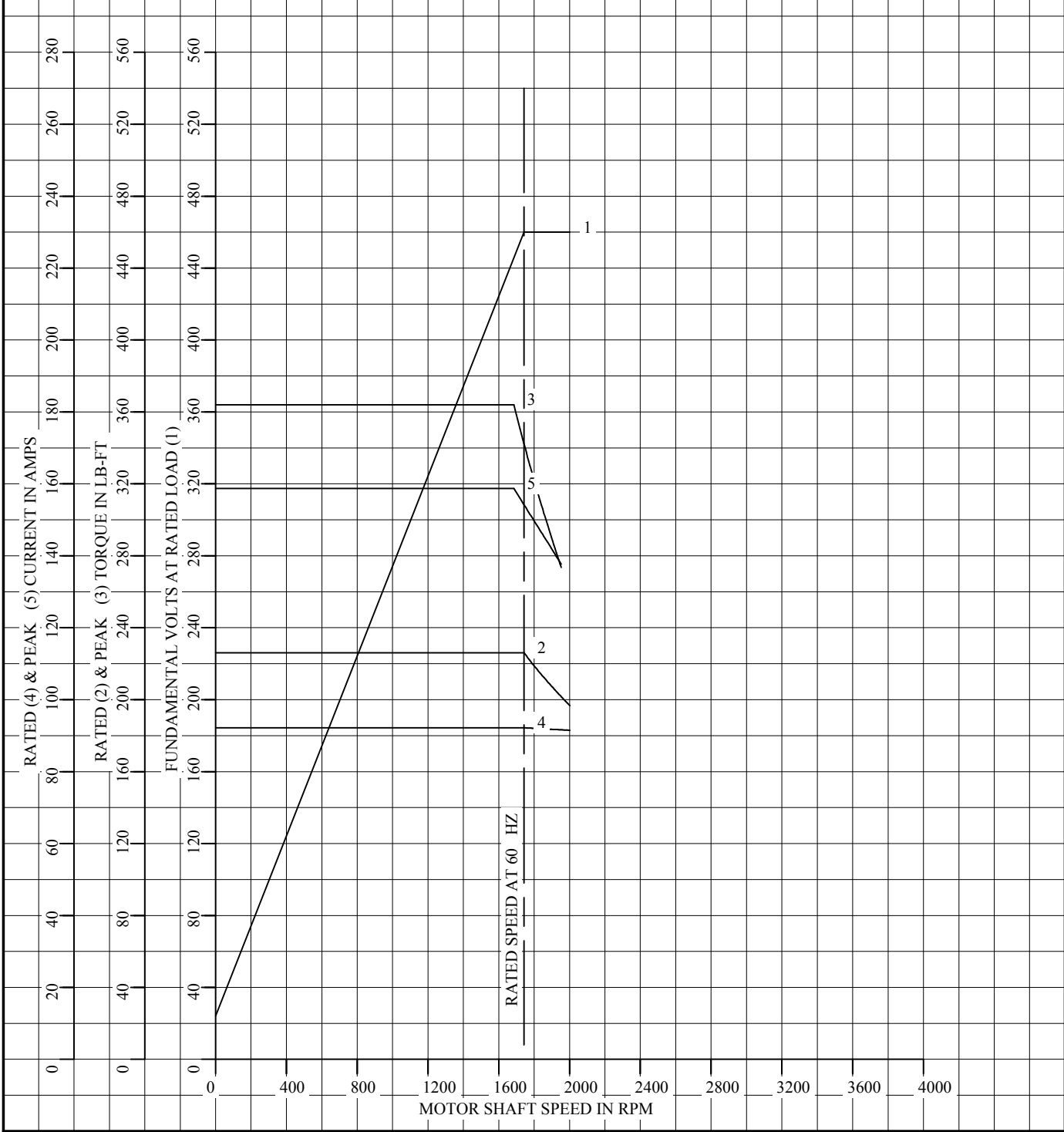


DR. BY J. MARTIN  
 CK. BY J. MARTIN  
 APP. BY T. EVON  
 DATE 3-7-05

**A-C MOTOR**  
**PERFORMANCE DATA** L0122A  
 ISSUE DATE 3-7-05

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	RL2570	AMPS	91.8	MAX SAFE RPM	5000	(AT BASE RATING, 25 °C)	
HP	75	DUTY	CONT	IM (AMPS)	27.45	R1 .0803	X1 .437
BASE SPEED	1740	S.F.	1.0	P.F. @NL/FL	.063/.866	R2 .0604	X2 .394
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK <sup>2</sup> (Lb-Ft <sup>2</sup> )	3.84		XM 9.92

CORRELATED DATA  
VARIABLE SPEED AC MOTOR CURVES



REMARKS: DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



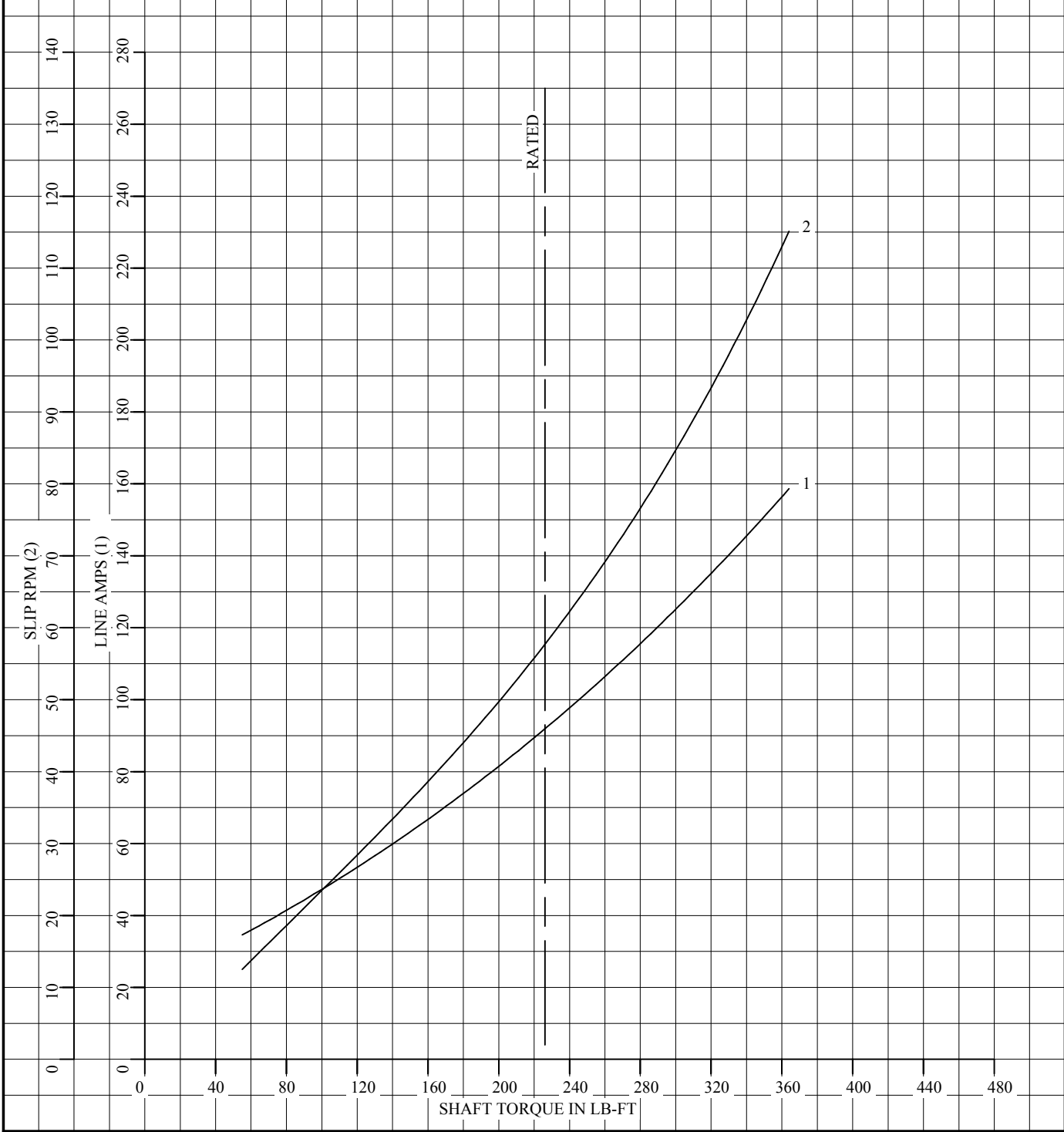
DR. BY J. MARTIN  
CK. BY J. MARTIN  
APP. BY T. EVON  
DATE 3-7-05

**A-C MOTOR  
PERFORMANCE  
CURVES**

**L0122A**  
SH 1 OF 2  
ISSUE DATE 3-7-05

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	RL2570	AMPS	91.8	MAX SAFE RPM	5000	(AT BASE RATING, 25 °C)	
HP	75	DUTY	CONT	IM (AMPS)	27.45	R1	.0803 X1 .437
BASE SPEED	1740	S.F.	1.0	P.F. @NL/FL	.063/.866	R2	.0604 X2 .394
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK <sup>2</sup> (Lb-Ft <sup>2</sup> )	3.84		XM 9.92

CORRELATED DATA  
LOAD PERFORMANCE (CONSTANT V/Hz RANGE)



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**A-C MOTOR  
 PERFORMANCE  
 CURVES**

**L0122A**  
 SH 2 OF 2  
 ISSUE DATE 3-7-05