

S/O	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)	
FRAME	FL5830	AMPS	1041	MAX SAFE SPEED	2000		
HP	900	DUTY	CONT	IM (AMPS)	379	R1	.00085 X1 .0260
BASE SPEED	1794	S.F.	1.0	P.F. @NL / FL	.022/.849	R2	.00068 X2 .0277
PHASE/HZ	3/90	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	705		XM .676

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1794	900	2634	460	90	1042
MAX SPEED	2101	900	2249	460	105.4	1026
MIN SPEED	0	0	2634	2.65	.3135	1042

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	90	379
1/4	1799	225	657	460	90	457
1/2	1797	451	1317	460	90	620
3/4	1795	675	1974	460	90	820
FULL LOAD	1794	899	2634	460	90	1042
0/L	1786	1792	5267	460	90	2050

REMARKS:
CALCULATED DATA

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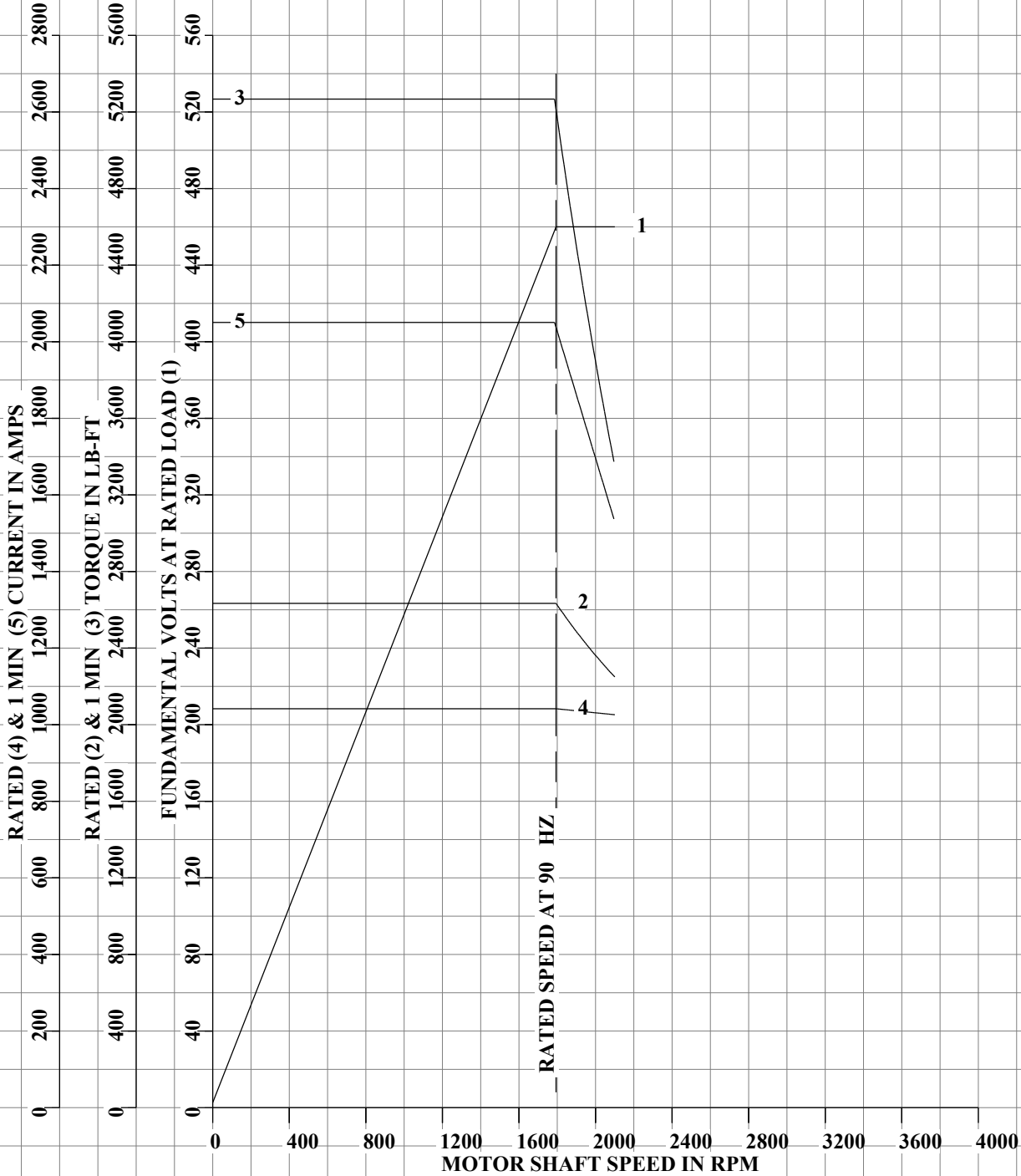
DRAWN BY: B.GRANT
 CHECKED BY: B.GRANT
 APPROVED BY: J.MARTIN
 DATE: 2-26-21

AC MOTOR
PERFORMANCE
DATA

L8806A
ISSUE DATE 2-26-21

S/O	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
FRAME	FL5830	AMPS	1041	MAX SAFE SPEED	2000			
HP	900	DUTY	CONT	IM (AMPS)	379	R1	.00085	X1 .0260
BASE SPEED	1794	S.F.	1.0	P.F. @NL / FL	.022/.849	R2	.00068	X2 .0277
PHASE/HZ	3/90	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	705			XM .676

VARIABLE SPEED AC MOTOR CURVES



CALCULATED DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



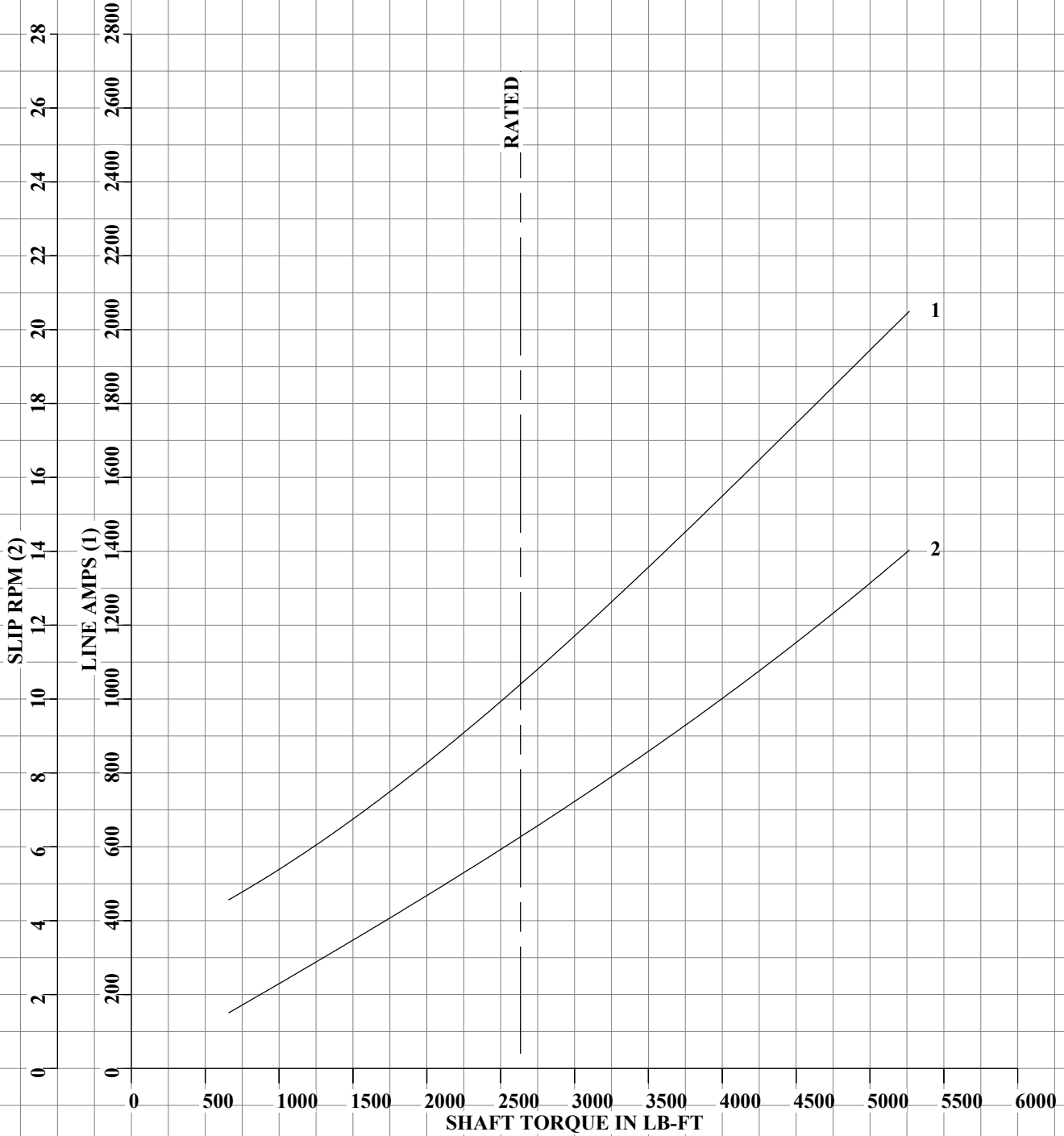
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AC MOTOR
 PERFORMANCE
 DATA

L8806A
 ISSUE DATE: 2-26-21

S/O	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE		
FRAME	FL5830	AMPS	1041	MAX SAFE SPEED	2000	(AT BASE RATING, 25°C)		
HP	900	DUTY	CONT	IM (AMPS)	379	R1	.00085	X1 .0260
BASE SPEED	1794	S.F.	1.0	P.F. @NL / FL	.022/.849	R2	.00068	X2 .0277
PHASE/HZ	3/90	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	705			XM .676

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



CALCULATED DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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AC MOTOR
 PERFORMANCE
 DATA

L8806A
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