
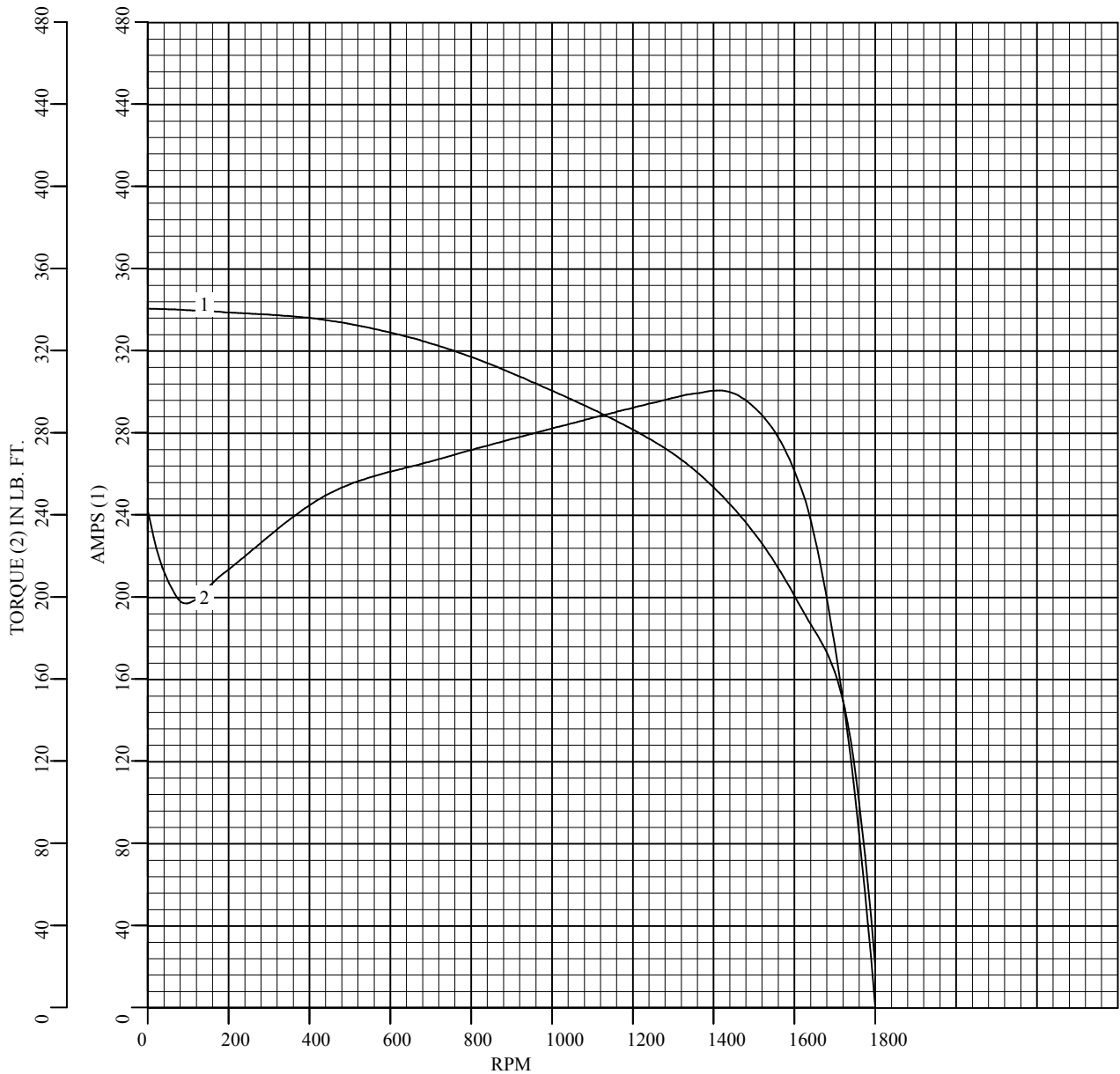


S.O.	FRAME	HP	TYPE	PHASE	HERTZ	RPM
--	FL2570	50	PSM	3	60	1800
VOLTS	AMPS	DUTY	AMB <sup>o</sup> C	INSUL	S.F.	NEMA DESIGN
460	49.8	CONT	40	H	1.15	B
CODE LETTER	ENCL	ROTOR INERTIA (lb-ft <sup>2</sup> )	STATOR RES.@ 25 <sup>o</sup> C OHMS (BETWEEN LINES)			
G	TEFC	3.89	.1878		TYPICAL DATA	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	19.8	1800	3.80	N/A	
1/4	12.5	16.5	1800	75.4	94.1	
2/4	24.9	25.7	1800	94.8	96.1	
3/4	37.4	37.4	1800	97.2	96.6	
4/4	49.9	49.8	1800	97.2	96.6	
5/4	62.4	63.1	1800	96.2	96.4	
SPEED TORQUE						
		RPM	TORQUE (% FULL LOAD)	TORQUE (lb-ft)	AMPERES	
LOCKED ROTOR		0	166	242.2	340.5	
PULL OUT		1800	208	302.5	132.4	
FULL LOAD		1800	100	145.7	49.8	
<p>THIS IS A PERMANENT MAGNET MOTOR  GENERATED OPEN CIRCUIT LINE-LINE VOLTAGE at 25<sup>o</sup>C = 20.4 VOLTS PER 100 RPM</p> <p>REMARKS:</p>						
		DR. BY <u>CAD</u> CK. BY <u>RFM</u> APP. BY <u>RFM</u> DATE <u>05/25/2016</u>			<b>LSPM MOTOR</b> <b>PERFORMANCE LS6049A</b> <b>DATA</b> ISSUE DATE 05/25/2016	

S.O.	--	HERTZ	60	AMB <sup>o</sup> C	40	CODE LETTER	G
FRAME	FL2570	RPM	1800	INSUL	H	WK <sup>2</sup> (lb-ft <sup>2</sup> )	3.89
HP	50	VOLTS	460	S.F.	1.15	NEMA DESIGN	B
TYPE	PSM	AMPS	49.8	ENCL	TEFC	STATOR RES. @ 25 <sup>o</sup> C	.1878
PHASE	3	DUTY	CONT			OHMS (BETWEEN LINES)	

### Amps & Torque vs. RPM During Acceleration



TYPICAL DATA



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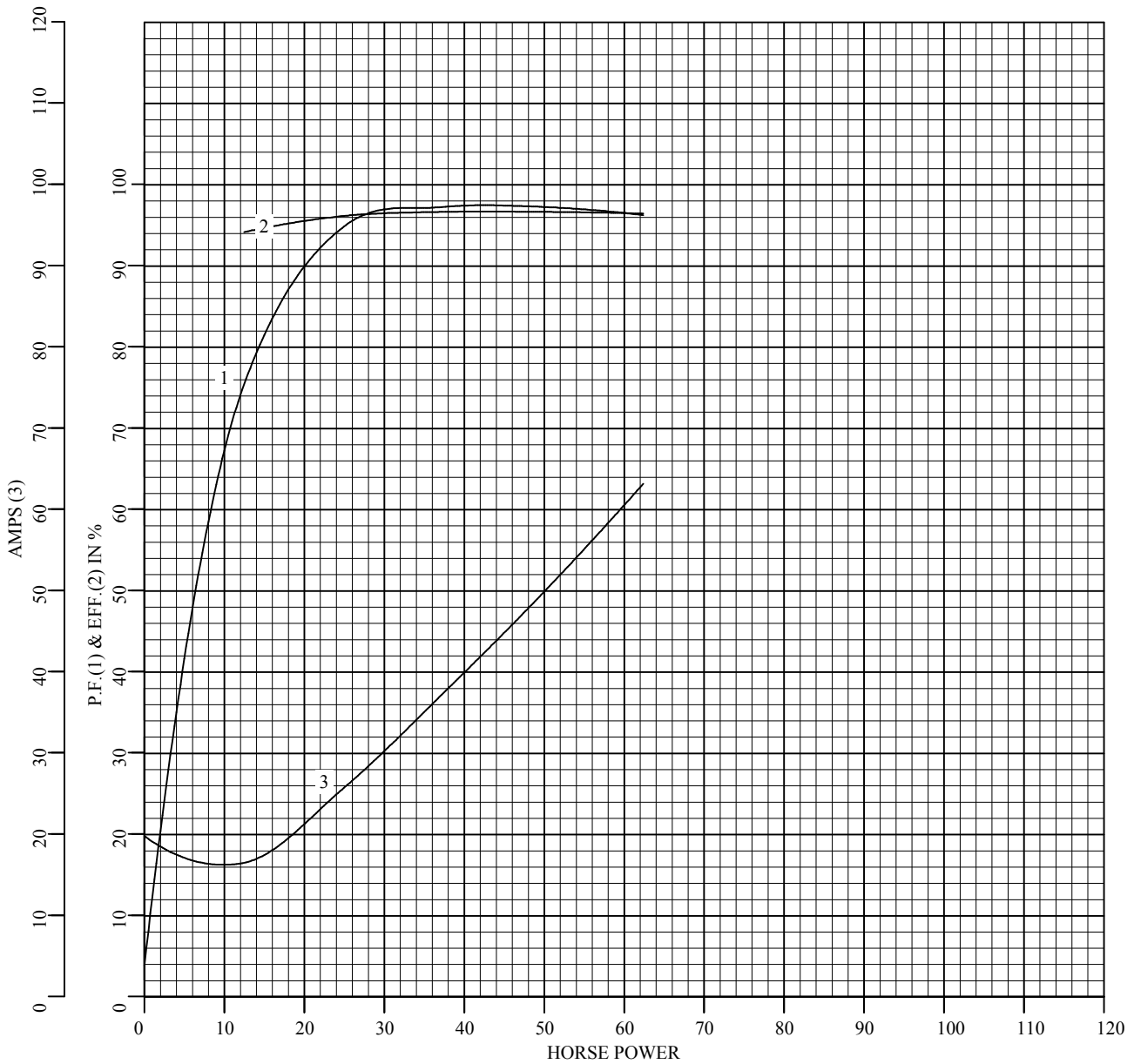
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CURVES**

**LS6049A**

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S.O.	--	HERTZ	60	AMB <sup>o</sup> C	40	CODE LETTER	G
FRAME	FL2570	RPM	1800	INSUL	H	WK <sup>2</sup> (lb-ft <sup>2</sup> )	3.89
HP	50	VOLTS	460	S.F.	1.15	NEMA DESIGN	B
TYPE	PSM	AMPS	49.8	ENCL	TEFC	STATOR RES. @ 25 <sup>o</sup> C	.1878
PHASE	3	DUTY	CONT			OHMS (BETWEEN LINES)	

### Performance Data vs. HP At Synchronous Speed



TYPICAL DATA



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