
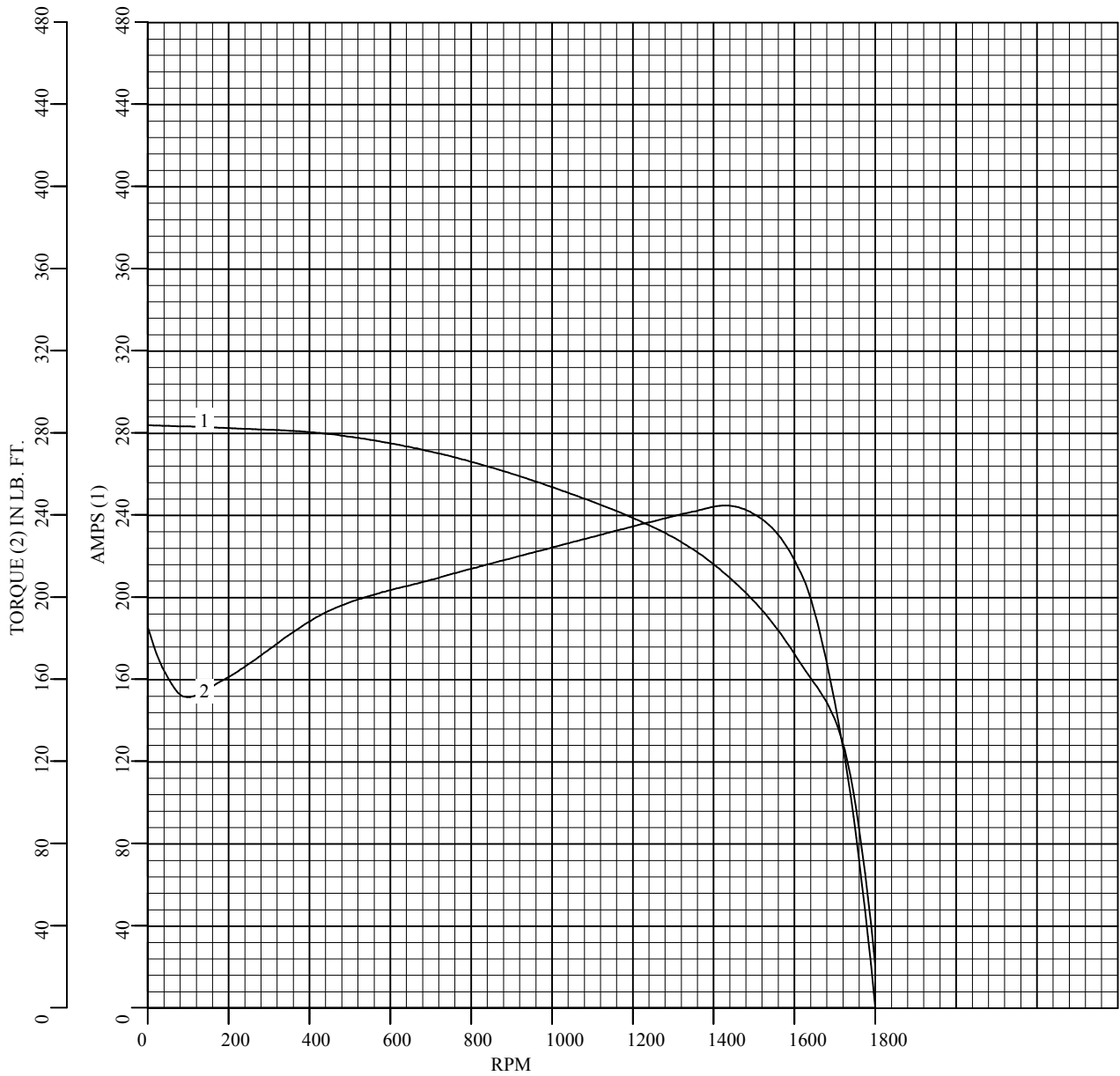


S.O.	FRAME	HP	TYPE	PHASE	HERTZ	RPM
--	FL2562	40	PSM	3	60	1800
VOLTS	AMPS	DUTY	AMB <sup>o</sup> C	INSUL	S.F.	NEMA DESIGN
460	41.7	CONT	40	H	1.15	B
CODE LETTER	ENCL	ROTOR INERTIA (lb-ft <sup>2</sup> )	STATOR RES.@ 25 <sup>o</sup> C OHMS (BETWEEN LINES)			
G	TEFC	2.96	.2444		TYPICAL DATA	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	20.4	1800	3.70	N/A	
1/4	10.0	17.7	1800	57.2	93.0	
2/4	20.0	23.3	1800	84.0	95.7	
3/4	30.0	31.9	1800	91.4	96.3	
4/4	40.0	41.6	1800	93.3	96.4	
5/4	50.0	52.2	1800	93.1	96.1	
SPEED TORQUE						
		RPM	TORQUE (% FULL LOAD)	TORQUE (lb-ft)	AMPERES	
LOCKED ROTOR		0	159	185.4	283.6	
PULL OUT		1800	217	254.0	130.4	
FULL LOAD		1800	100	116.8	41.6	
<p>THIS IS A PERMANENT MAGNET MOTOR  GENERATED OPEN CIRCUIT LINE-LINE VOLTAGE at 25<sup>o</sup>C = 18.5 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 LS6410A</b> <b>DATA</b> ISSUE DATE 05/25/2016	

S.O.	--	HERTZ	60	AMB <sup>o</sup> C	40	CODE LETTER	G
FRAME	FL2562	RPM	1800	INSUL	H	WK <sup>2</sup> (lb-ft <sup>2</sup> )	2.96
HP	40	VOLTS	460	S.F.	1.15	NEMA DESIGN	B
TYPE	PSM	AMPS	41.7	ENCL	TEFC	STATOR RES.@ 25 <sup>o</sup> C	.2444
PHASE	3	DUTY	CONT			OHMS (BETWEEN LINES)	

### Amps & Torque vs. RPM During Acceleration



TYPICAL DATA



DR. BY	CAD
CK. BY	RFM
APP. BY	RFM
DATE	05/25/2016

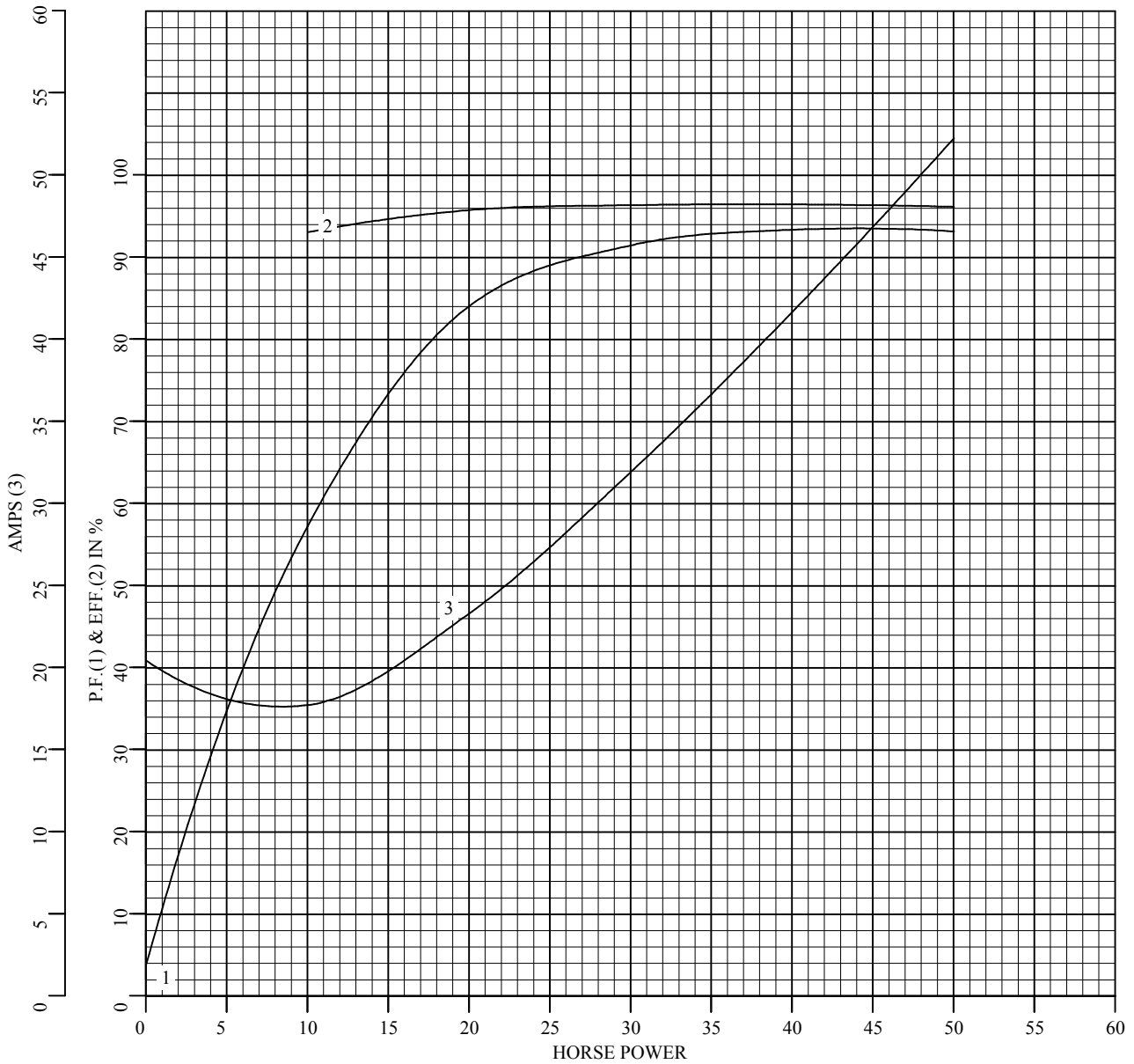
**LSPM MOTOR  
PERFORMANCE  
CURVES**

**LS6410A**

ISSUE DATE 05/25/2016

S.O.	--	HERTZ	60	AMB <sup>o</sup> C	40	CODE LETTER	G
FRAME	FL2562	RPM	1800	INSUL	H	WK <sup>2</sup> (lb-ft <sup>2</sup> )	2.96
HP	40	VOLTS	460	S.F.	1.15	NEMA DESIGN	B
TYPE	PSM	AMPS	41.7	ENCL	TEFC	STATOR RES.@ 25 <sup>o</sup> C	.2444
PHASE	3	DUTY	CONT			OHMS (BETWEEN LINES)	

### Performance Data vs. HP At Synchronous Speed



TYPICAL DATA



DR. BY	CAD
CK. BY	RFM
APP. BY	RFM
DATE	05/25/2016

**LSPM MOTOR  
PERFORMANCE  
CURVES**

**LS6410A**

ISSUE DATE 05/25/2016