

S.O.	FRAME	HP	TYPE	PHASE	HERTZ	RPM
--	HL324T	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

THIS IS A PERMANENT MAGNET MOTOR  
GENERATED OPEN CIRCUIT LINE-LINE VOLTAGE at 25<sup>o</sup>C = 18.5 VOLTS PER 100 RPM

REMARKS:

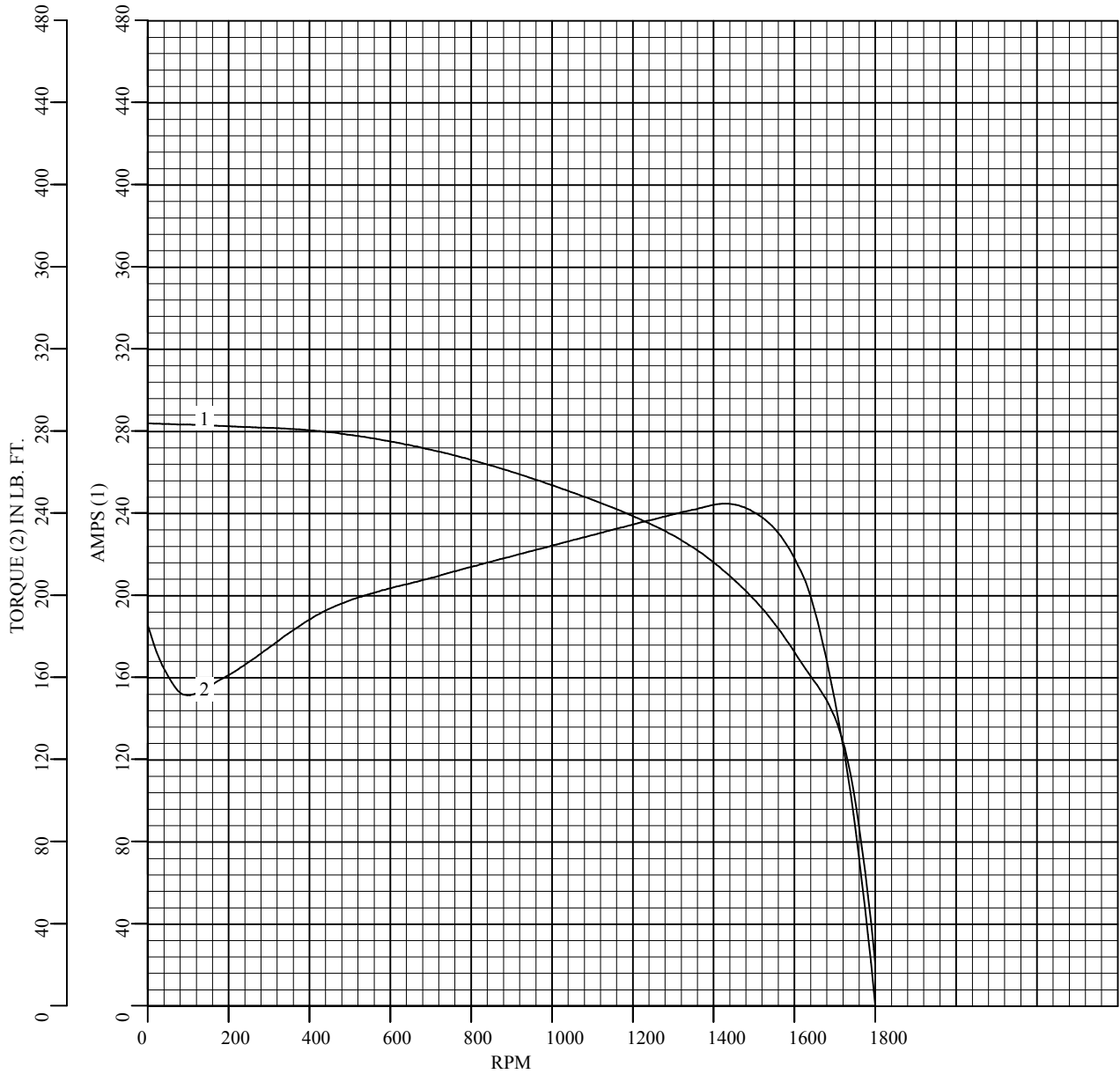


DR. BY CAD  
CK. BY RFM  
APP. BY RFM  
DATE 05/25/2016

**LSPM MOTOR**  
**PERFORMANCE LS7020A**  
**DATA** ISSUE DATE 05/25/2016

S.O.	--	HERTZ	60	AMB <sup>o</sup> C	40	CODE LETTER	G
FRAME	HL324T	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



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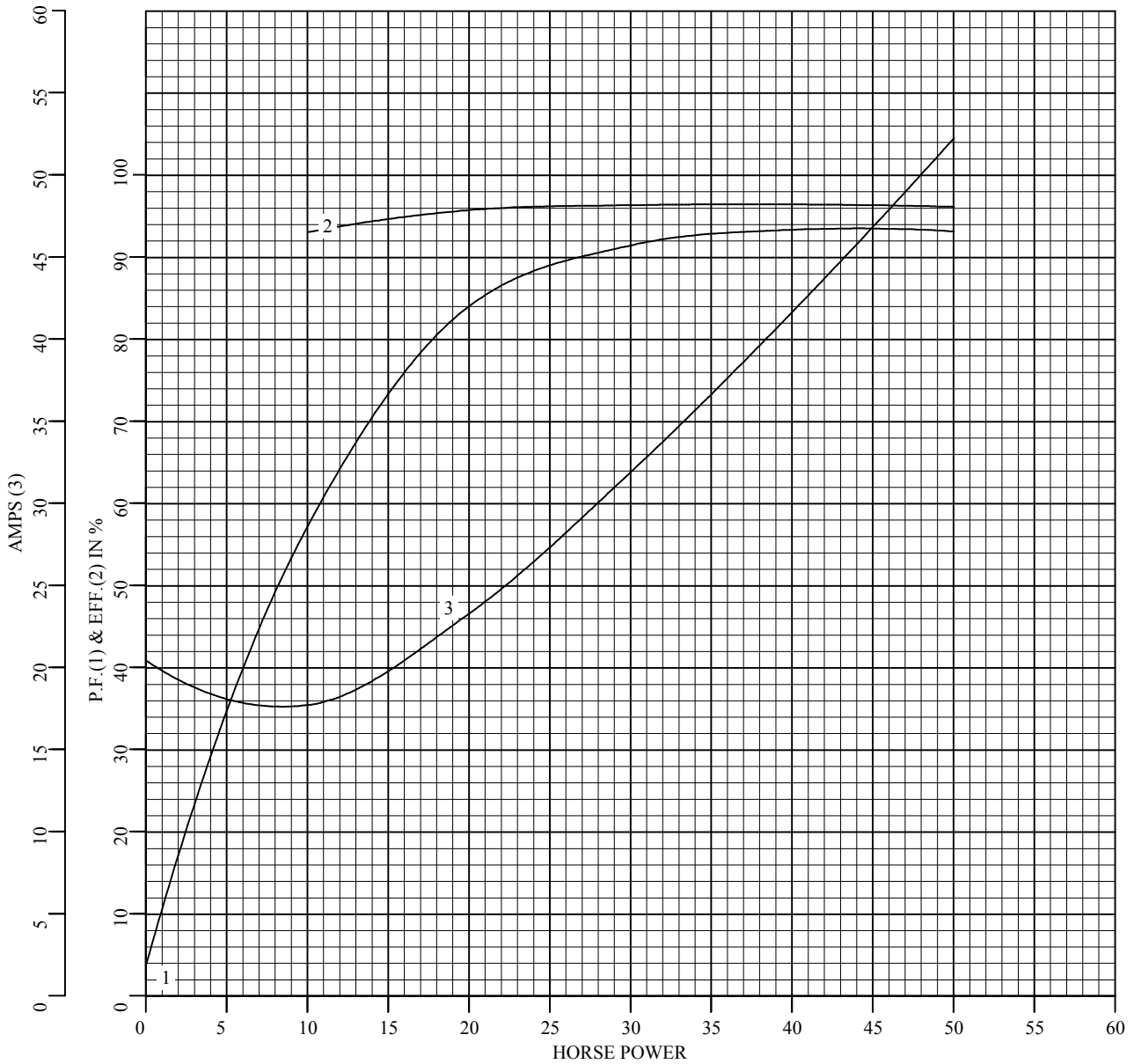
**LSPM MOTOR  
PERFORMANCE  
CURVES**

**LS7020A**

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S.O.	--	HERTZ	60	AMB <sup>o</sup> C	40	CODE LETTER	G
FRAME	HL324T	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



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