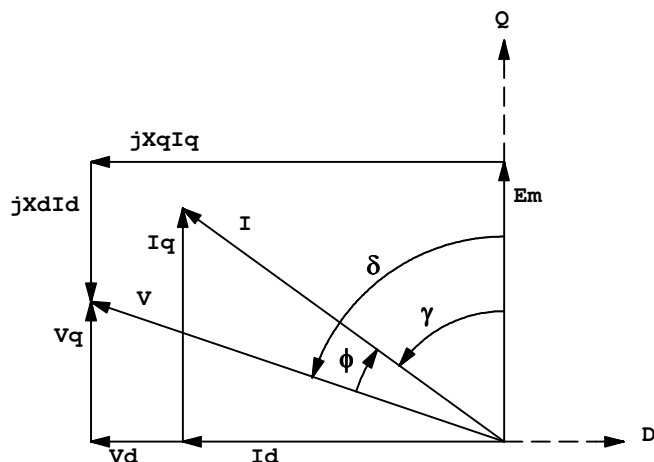


S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25 °C .0584
FRAME FL2586	AMPS 111.7	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 60	DUTY CONT	MAX SAFE RPM 5000	
BASE SPEED 1800	S.F. 1.0	WK ² (Lb-Ft ²) 5.83	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS	335.1

VARIABLE SPEED PERFORMANCE

HP	AMPS (rms)	RPM	GAMMA*	POWER FACT.	EFF.	VOLTS (L-L) (rms)	Em (L-N) (rms)	Lq (mH)	Ld (mH)
OpenCkt**	N/A	1800	5.0	N/A	N/A	N/A	167	N/A	N/A
OpenCkt, hot	N/A	1800	5.0	N/A	N/A	N/A	142	N/A	N/A
20.1	27.9	1800	32.2	96.2	95.0	339	142	16.3	2.18
45.9	55.9	1800	38.1	92.9	95.7	399	142	11.9	2.20
72.2	83.8	1800	41.1	90.3	95.9	428	142	9.40	2.23
100	112	1800	44.0	87.9	95.7	458	142	8.20	2.25

Remarks: TYPICAL DATA
 CONSTANT TORQUE 0-1800 RPM, CONSTANT POWER 1800-3000 RPM
 200% OVERLOAD BELOW BASE SPEED TAPERED TO 100% AT 3000 RPM



*Gamma is the current angle relative to counter emf, defined to be positive when current leads counter emf.

Equivalently, Gamma is positive when Id is negative.

**Data at 25°C - all other data at rated temperature



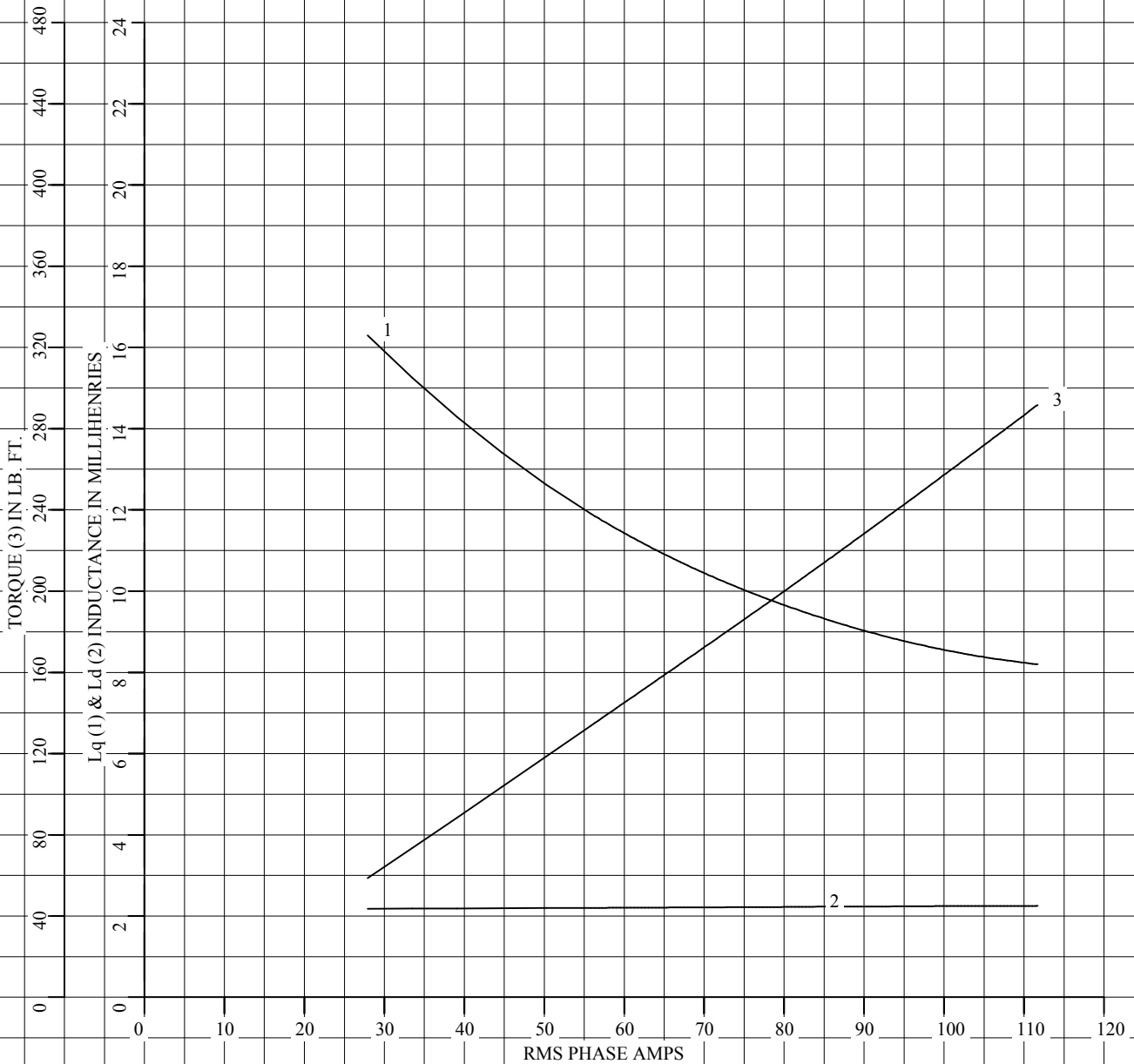
DR. BY CD
 CK. BY RM
 APP. BY RM
 DATE 5/10/10

IPM MOTOR
PERFORMANCE PM3758A
DATA ISSUE DATE 5/10/10

S.O. 0	VOLTS 460	TYPE IPM	STATOR RES. @ 25 °C .0584
FRAME FL2586	AMPS 111.7	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 60	DUTY CONT	MAX SAFE RPM 5000	
BASE SPEED 1800	S.F. 1.0	WK ² (Lb-Ft ²) 5.83	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 335.1	

Lq, Ld, & Torque vs. RMS Phase Amps

CONSTANT TORQUE 0-1800 RPM, CONSTANT POWER 1800-3000 RPM
 200% OVERLOAD BELOW BASE SPEED TAPERED TO 100% AT 3000 RPM



REMARKS: TYPICAL DATA



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 PERFORMANCE
 DATA**

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