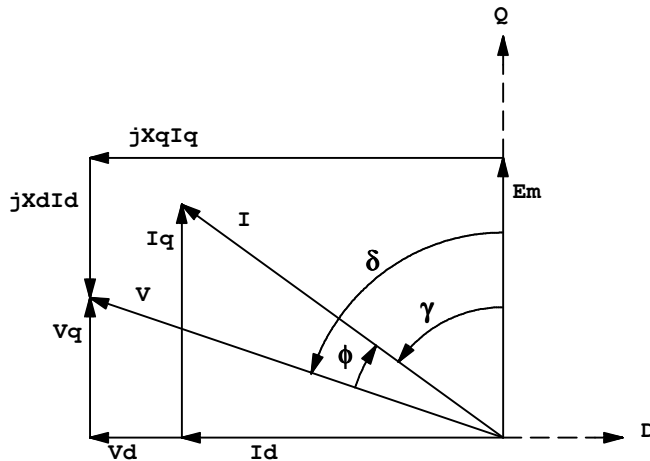


S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25 °C .0799
FRAME FL2578	AMPS 81.8	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 75	DUTY CONT	MAX SAFE RPM 5000	
BASE SPEED 1800	S.F. 1.0	WK ² (Lb-Ft ²) 4.90	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 245.4	

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	172	N/A	N/A
OpenCkt, hot	N/A	1800	5.0	N/A	N/A	N/A	152	N/A	N/A
14.9	20.3	1800	30.2	96.7	94.7	346	152	21.2	2.94
34.1	40.6	1800	37.6	94.3	95.5	402	152	15.9	2.93
53.9	60.9	1800	41.3	92.4	95.9	430	152	12.8	2.93
75.0	81.2	1800	45.0	90.8	95.8	458	152	11.3	2.92

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 PM3929A
DATA ISSUE DATE 5/10/10

S.O. 0
 FRAME FL2578
 HP 75
 BASE SPEED 1800
 PHASE/HERTZ 3/60

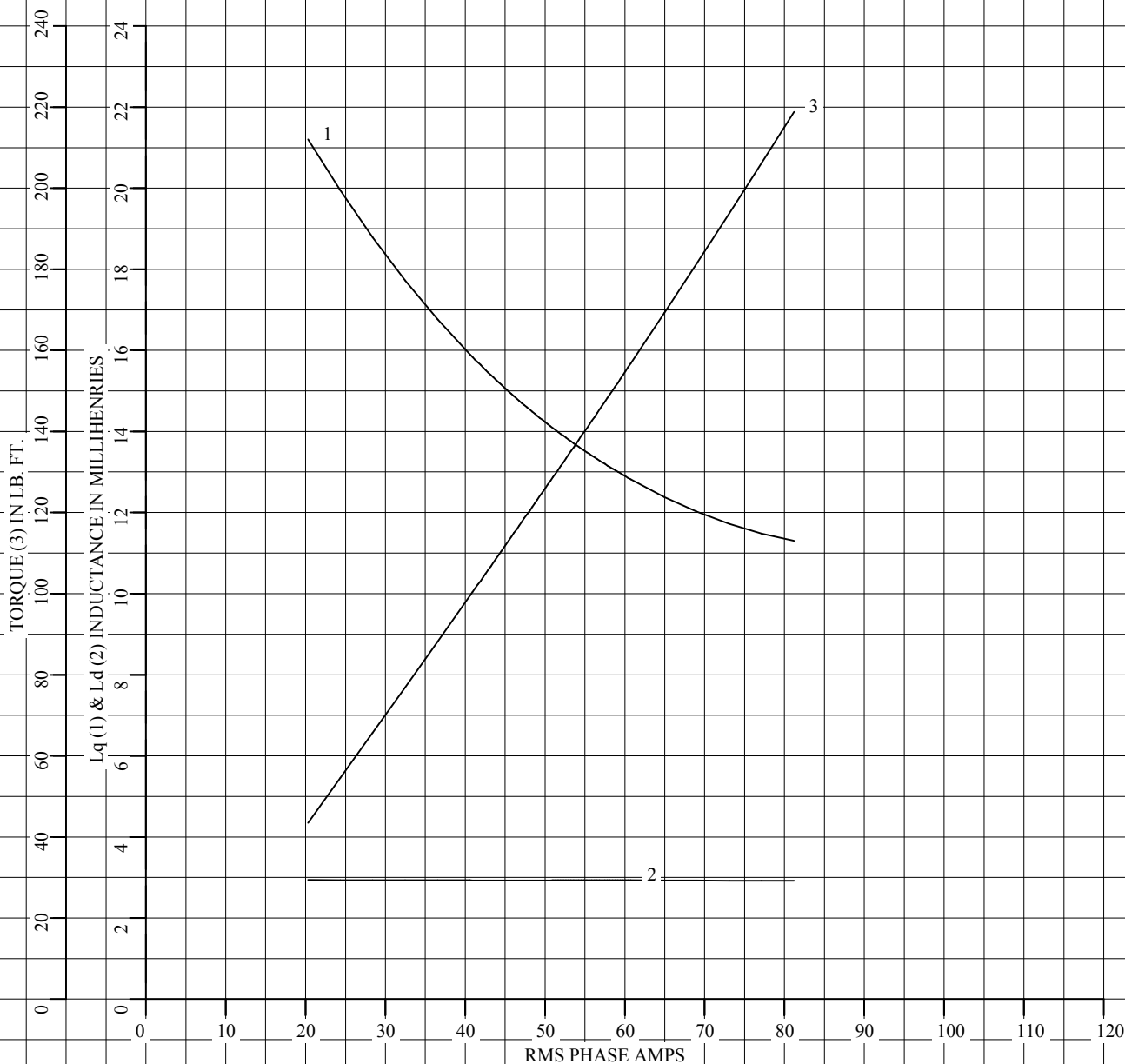
VOLTS 460
 AMPS 81.8
 DUTY CONT
 S.F. 1.0
 AMB °C/INSUL 40/H

TYPE IPM
 ENCLOSURE TEBC
 MAX SAFE RPM 5000
 WK² (Lb-Ft²) 4.90
 MAX INSTANTANEOUS OVERLOAD AMPS 245.4

STATOR RES. @ 25 °C .0799
 OHMS (BETWEEN LINES)

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



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

**IPM MOTOR
 PERFORMANCE
 DATA**

PM3929A

ISSUE DATE 5/10/10