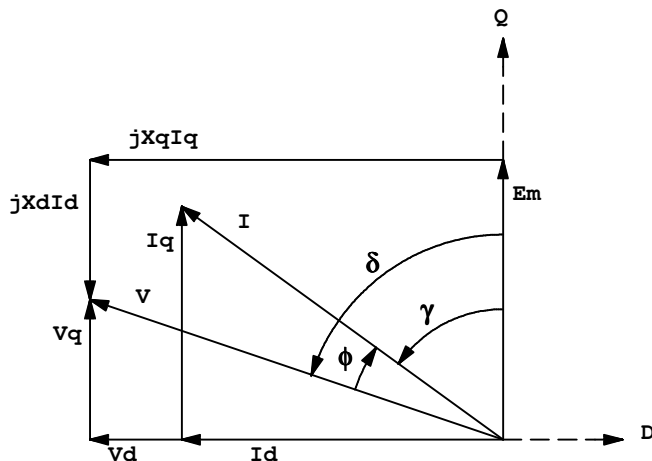


S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25 °C .4902
FRAME FL1844	AMPS 21.2	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 20	DUTY CONT	MAX SAFE RPM 7200	
BASE SPEED 1800	S.F. 1.0	WK ² (Lb-Ft ²) .77	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS	63.6

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	186	N/A	N/A
OpenCkt, hot	N/A	1800	5.0	N/A	N/A	N/A	167	N/A	N/A
4.00	5.3	1800	29.3	97.6	92.0	366	167	80.0	11.5
9.10	10.6	1800	36.9	96.0	93.7	413	167	59.0	11.3
14.4	15.9	1800	40.7	94.6	94.6	436	167	47.0	11.1
20.0	21.2	1800	44.5	93.5	94.7	459	167	41.0	10.9

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 4/23/10

IPM MOTOR
PERFORMANCE DATA PM3925A
 ISSUE DATE 4/23/10

S.O. 0
 FRAME FL1844
 HP 20
 BASE SPEED 1800
 PHASE/HERTZ 3/60

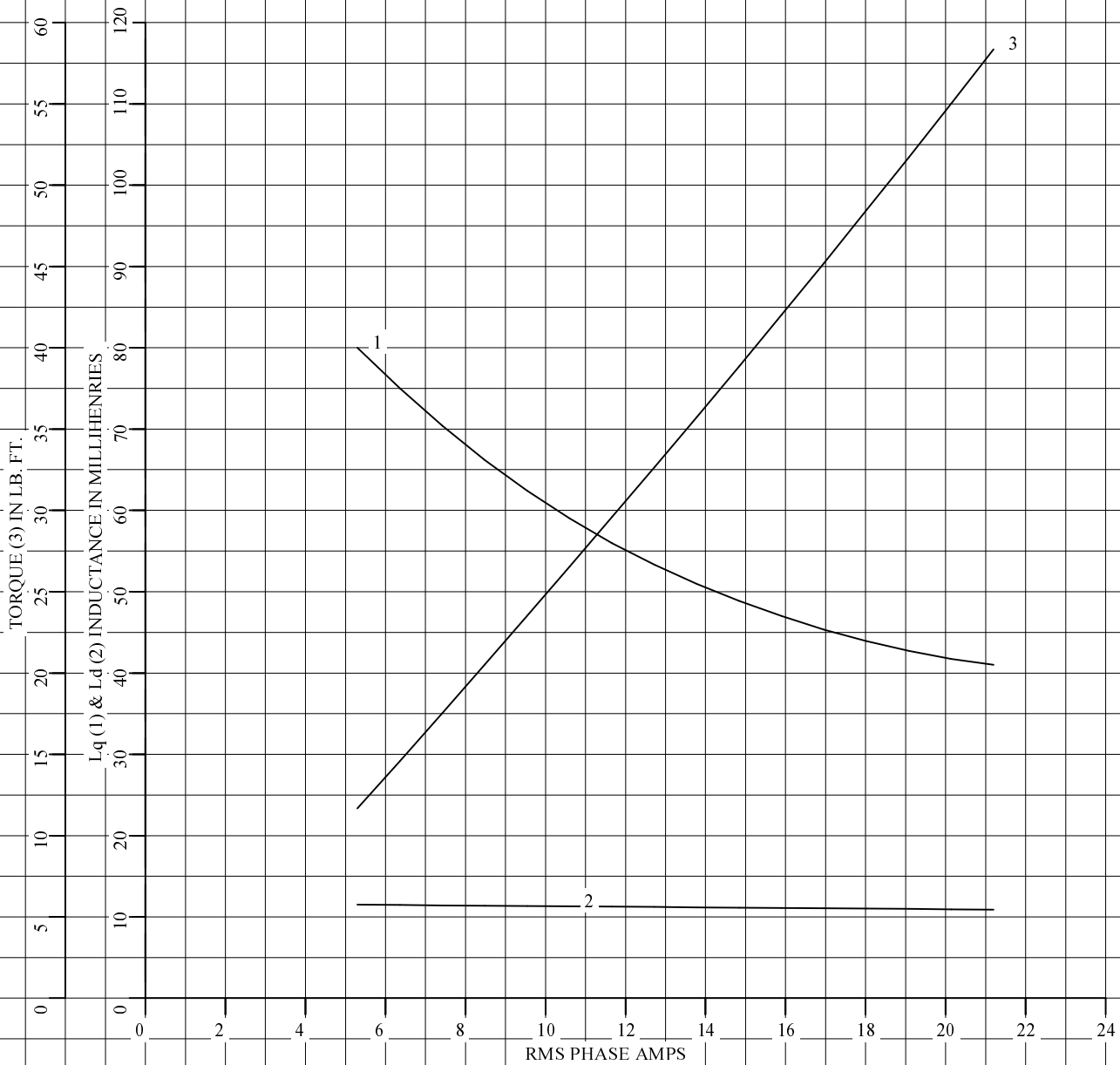
VOLTS 460
 AMPS 21.2
 DUTY CONT
 S.F. 1.0
 AMB °C/INSUL 40/H

TYPE IPM
 ENCLOSURE TEBC
 MAX SAFE RPM 7200
 WK² (Lb-Ft²) .77
 MAX INSTANTANEOUS OVERLOAD AMPS

STATOR RES. @ 25 °C .4902
 OHMS (BETWEEN LINES)
 63.6

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 4/23/10

**IPM MOTOR
 PERFORMANCE
 DATA**

PM3925A

ISSUE DATE 4/23/10