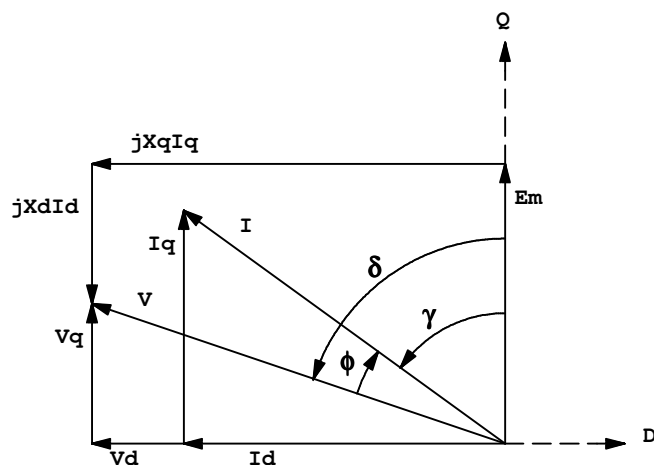


S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25°C .1747
FRAME FL2168	AMPS 53.7	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 50	DUTY CONT	MAX SAFE RPM 5000	
BASE SPEED 1800	S.F. 1.0	WK ² (Lb-Ft ²) 2.60	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 161.1	

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	196	N/A	N/A
OpenCkt, hot	N/A	1800	5.0	N/A	N/A	N/A	162	N/A	N/A
10.6	13.4	1800	31.8	96.4	93.6	377	162	36.9	5.90
23.5	26.9	1800	40.1	95.0	94.7	419	162	26.3	5.70
36.5	40.3	1800	44.3	93.4	95.0	440	162	20.9	5.60
50.0	53.7	1800	48.5	92.0	94.8	460	162	18.4	5.40

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

BALDOR

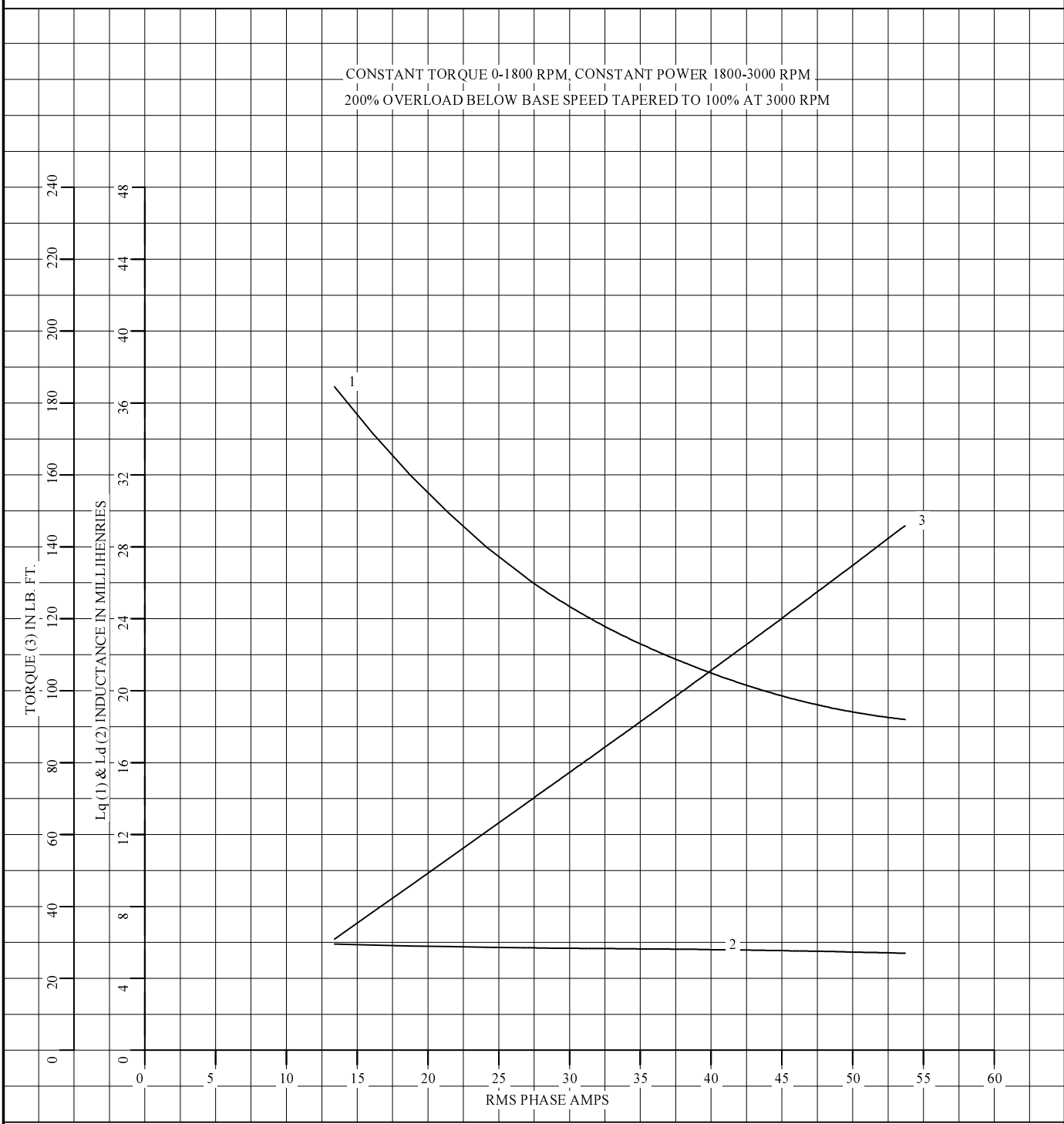
DR. BY	CD
CK. BY	RM
APP. BY	RM
DATE	11/23/09

IPM MOTOR
PERFORMANCE PM3928A
DATA

ISSUE DATE 11/23/09

S.O. 0	VOLTS 460	TYPE IPM	STATOR RES. @ 25 °C .1747
FRAME FL2168	AMPS 53.7	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 50	DUTY CONT	MAX SAFE RPM 5000	
BASE SPEED 1800	S.F. 1.0	WK ² (Lb-Ft ²) 2.60	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 161.1	

Lq, Ld, & Torque vs. RMS Phase Amps



REMARKS: TYPICAL DATA



DR. BY	CD
CK. BY	RM
APP. BY	RM
DATE	11/23/09

**IPM MOTOR
PERFORMANCE
DATA**

PM3928A

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