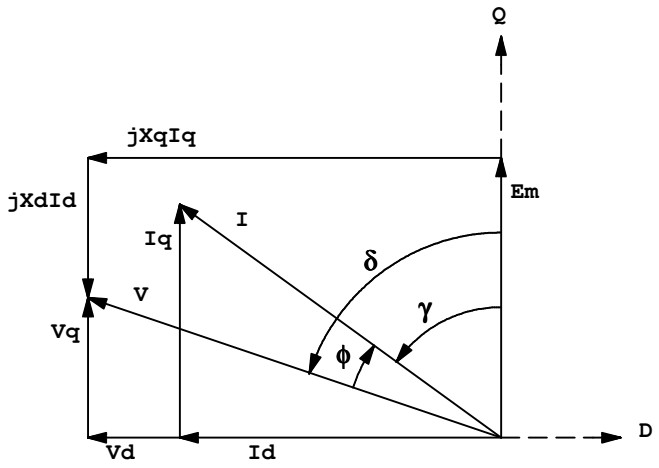
S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25 °C .3489
FRAME FL1852	AMPS 32	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 30	DUTY CONT	MAX SAFE RPM 7200	
BASE SPEED 1800	S.F. 1.0	WK^2 ($Lb-Ft^2$) .96	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 96	

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	185	N/A	N/A
OpenCkt,hot	N/A	1800	5.0	N/A	N/A	N/A	160	N/A	N/A
6.10	8.0	1800	30.7	96.5	93.0	367	160	58.3	8.90
13.8	16.0	1800	39.6	95.3	94.2	413	160	42.6	8.70
21.7	24.0	1800	44.0	94.0	94.7	436	160	34.2	8.50
30.0	32.0	1800	48.5	92.9	94.7	459	160	30.5	8.30

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

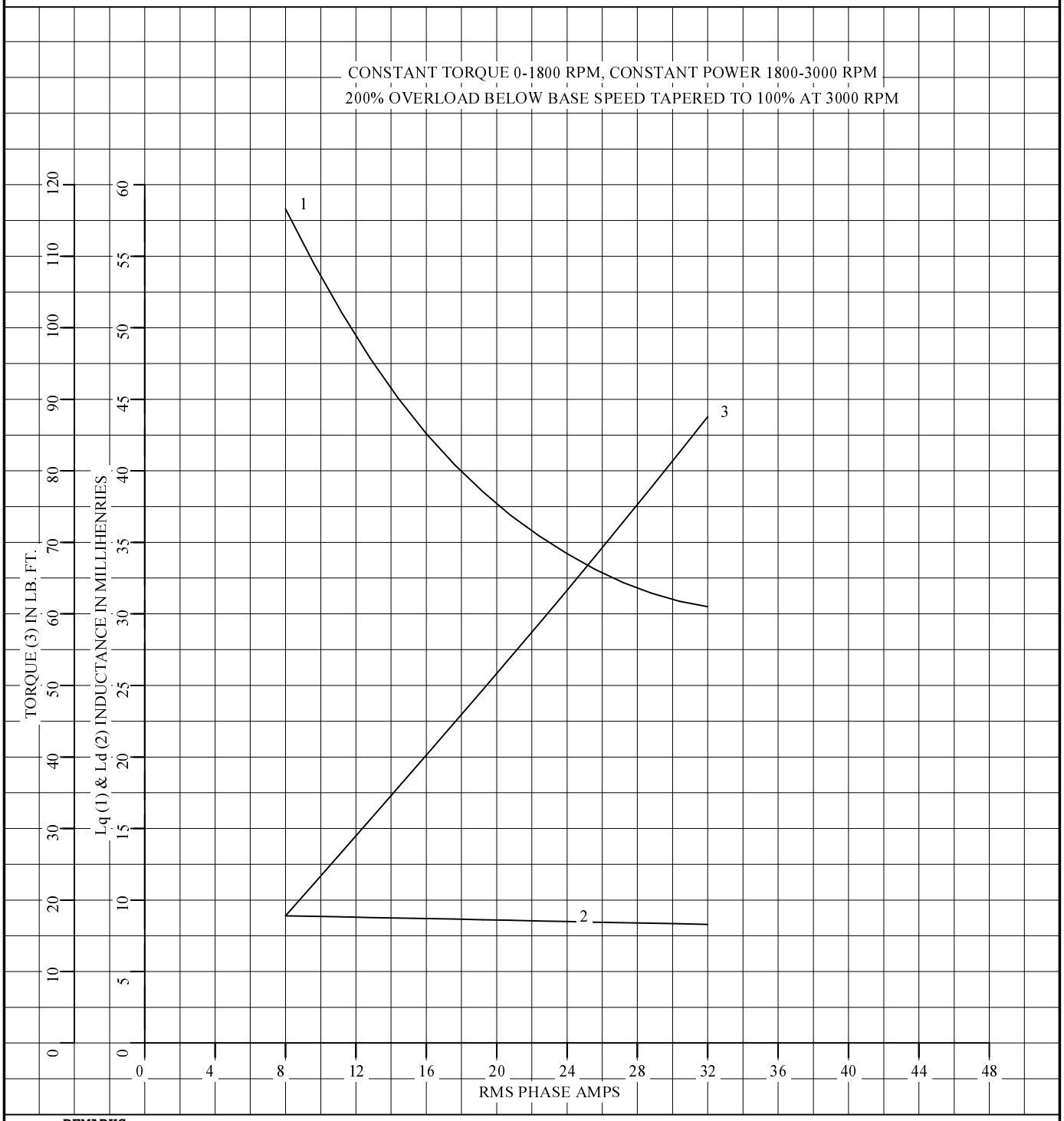
BALDOR

DR. BY	CD
CK. BY	RM
APP. BY	RM
DATE	4/23/10

IPM MOTOR PERFORMANCE DATA PM3756A
ISSUE DATE 4/23/10

S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25 °C .3489
FRAME FL1852	AMPS 32	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 30	DUTY CONT	MAX SAFE RPM 7200	
BASE SPEED 1800	S.F. 1.0	WK^2 (Lb-Ft^2) .96	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 96	

Lq, Ld, & Torque vs. RMS Phase Amps



REMARKS: TYPICAL DATA

BALDOR

DR. BY	CD
CK. BY	RM
APP. BY	RM
DATE	4/23/10

IPM MOTOR PERFORMANCE DATA

PM3756A

ISSUE DATE 4/23/10