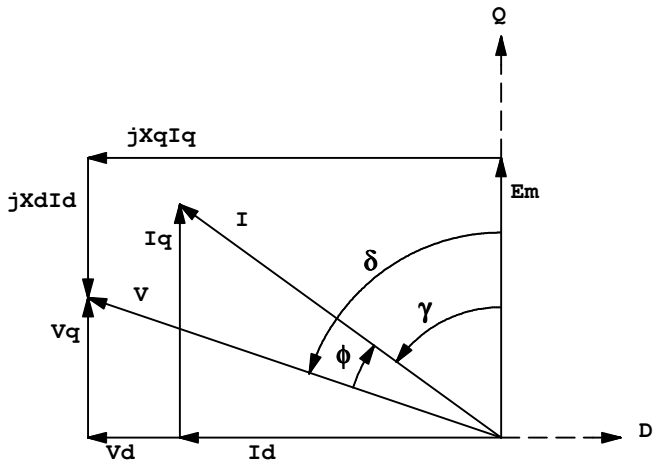
S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25 °C .7214
FRAME FL1838	AMPS 15.6	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 15	DUTY CONT	MAX SAFE RPM 7200	
BASE SPEED 1800	S.F. 1.0	WK^2 ($Lb-Ft^2$) .63	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 46.8	

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	173	N/A	N/A
3.00	3.9	1800	29.4	98.1	91.4	373	173	109	15.6
6.80	7.8	1800	38.4	97.3	93.4	416	173	81.0	15.3
10.8	11.7	1800	42.9	96.4	94.4	437	173	65.0	14.9
15.0	15.6	1800	47.4	95.7	94.6	458	173	59.0	14.5

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 PM3924A ISSUE DATE 4/23/10

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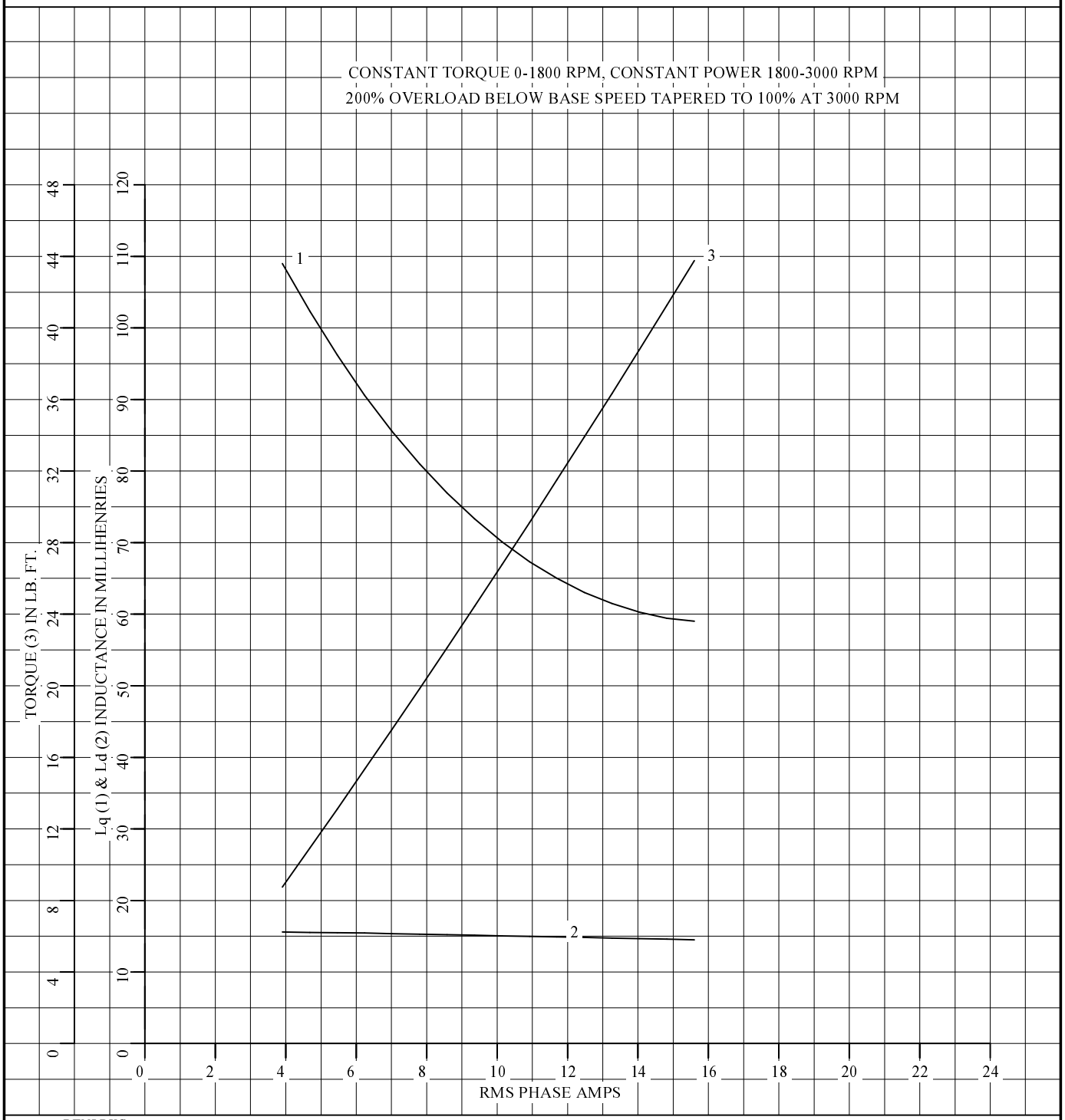
FRAME FL1838	AMPS 15.6	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 15	DUTY CONT	MAX SAFE RPM 7200	
BASE SPEED 1800	S.F. 1.0	WK^2 (Lb-Ft^2) .63	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 46.8	

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

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