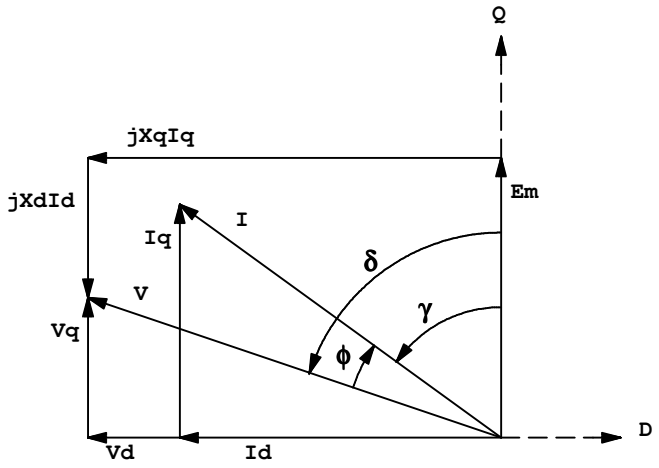
S.O. 0	VOLTS 460	TYPE IPM	STATOR RES.@ 25°C .0328
FRAME FL2890	AMPS 166.0	ENCLOSURE TEBC	OHMS (BETWEEN LINES)
HP 150	DUTY CONT	MAX SAFE RPM 5000	
BASE SPEED 1800	S.F. 1.0	WK^2 ($Lb\text{-}Ft^2$) 10.56	
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	MAX INSTANTANEOUS OVERLOAD AMPS 498	

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	193	N/A	N/A
OpenCkt,hot	N/A	1800	5.0	N/A	N/A	N/A	154	N/A	N/A
31.1	41.5	1800	29.6	96.1	95.5	351	154	10.6	1.70
69.6	83.0	1800	36.7	93.4	96.1	402	154	7.80	1.70
109	125	1800	40.2	91.3	96.2	428	154	6.20	1.60
150	166	1800	43.7	89.5	96.0	453	154	5.40	1.60

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 DATA PM4057A ISSUE DATE 11/23/09

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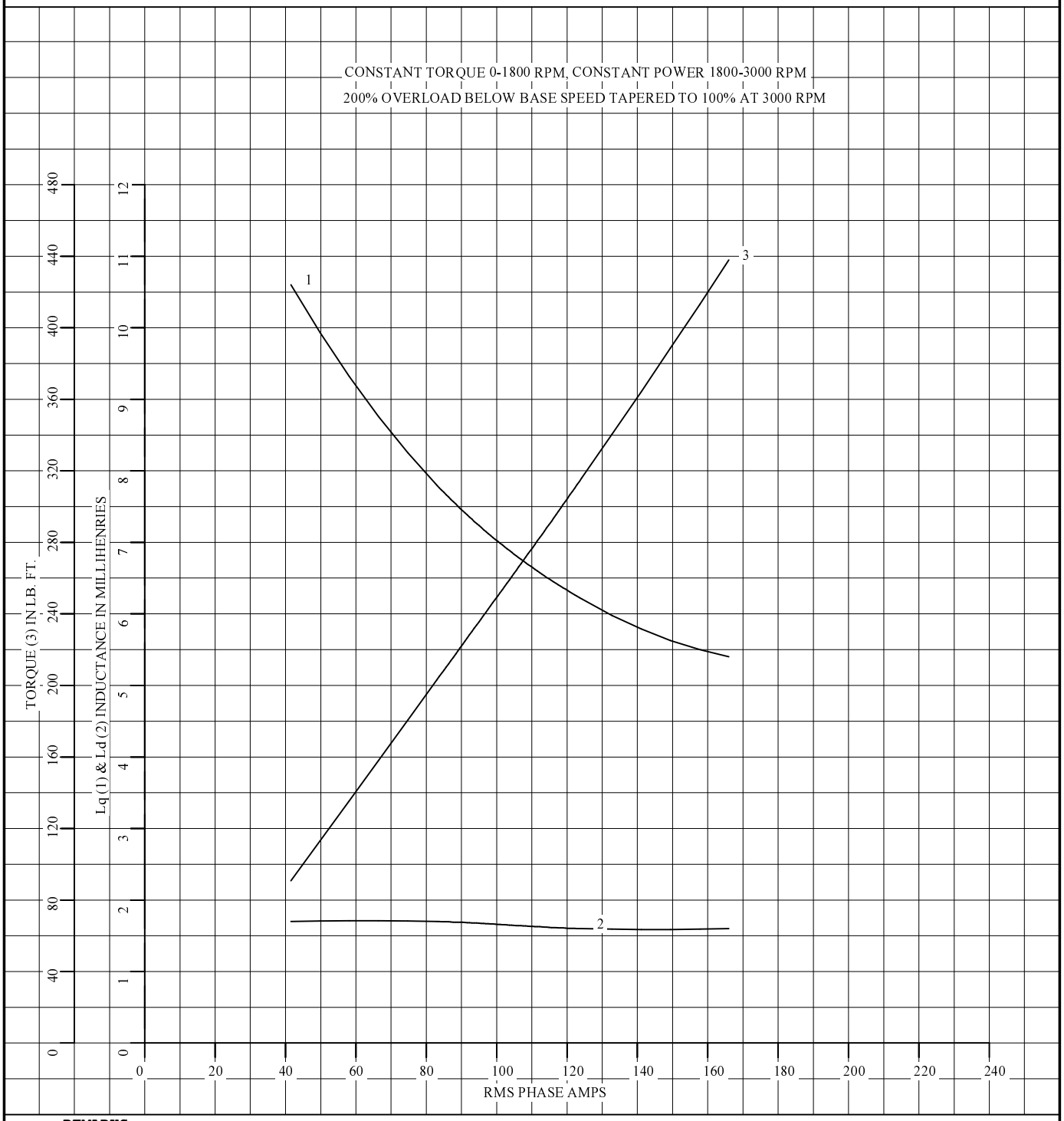
Lq, Ld, & Torque vs. RMS Phase Amps



REMARKS: TYPICAL DATA

BALDOR

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

IPM MOTOR PERFORMANCE DATA

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