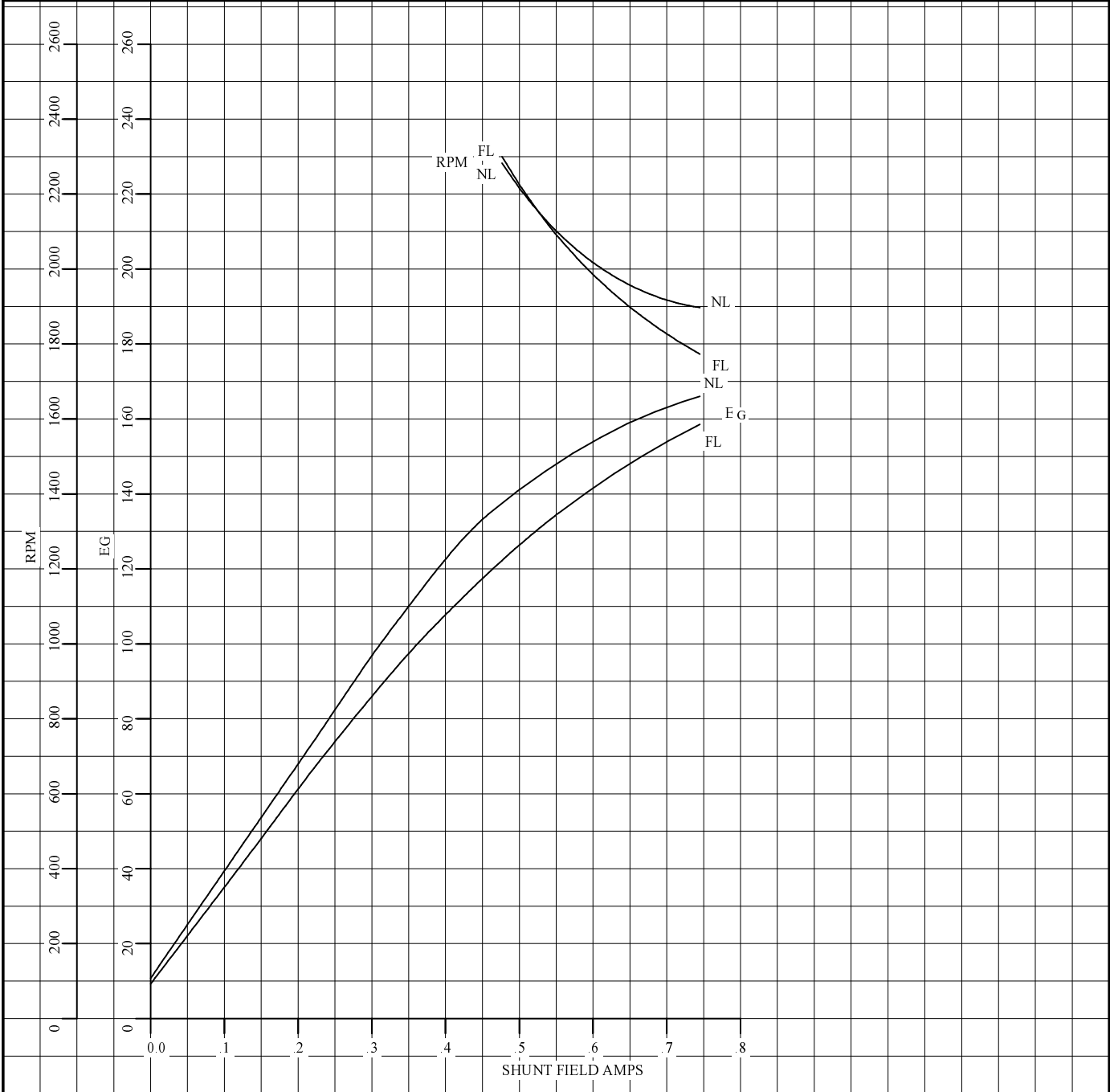


REL S.O.		FRAME DC189AT	RATING 3.00HP	BASE SPEED 1750	WINDING TYPE STRAIGHT SHUNT			
S.F. 1.0	ENCL. DPG	AMB ^o C/INSUL 40/F	DUTY CONT	POWER CODE/FORM FACTOR 2/2 230-60-0		TYPE TR	WK ² (LB-FT ²) .6247	
COOLING AIR(CFM/IN H ₂ O) ^{1/2} (sec) -/-		R (hot) .394	T _E .00769	T _M .0474	BASIC RPM 1950	MAX CONT RPM 2300	WINDER RPM -	MAX. SAFE 4500
WINDING	VOLTS	RESISTANCE		CURRENT		INDUCTANCE	TURNS PER COIL	
		25 ^o C	HOT	25 ^o C	HOT			
ARM CIRCUIT	180	.875	1.17	-	14.8	10.0 mH	-	
SERIES S1-S2	-	-	-	-	-	-	-	
SHUNT F1-F2	200	211	268	.946	.745	36.3 H	2000	



REMARKS: TYPICAL DATA SPEED REGULATOR REQUIRED FOR STABILITY
CURVES VALID FOR NAMEPLATE SPEED RANGE ONLY




DR. BY J. MARTIN
CK. BY J. MARTIN
APP. BY T. EVON
DATE 7/11/88

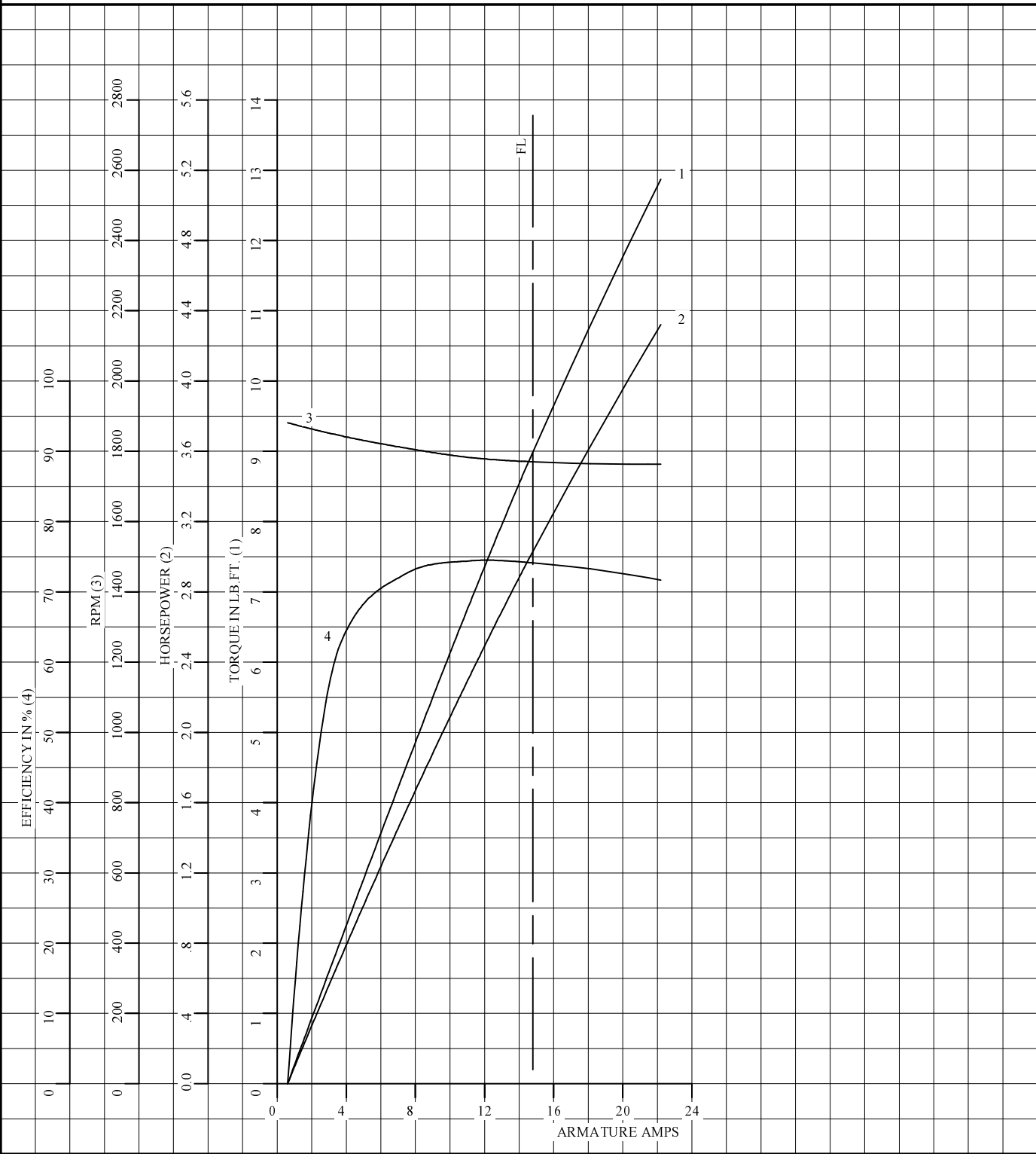
D-C
APPLICATION
DATA

SG4605A

ISSUE DATE 7/11/88

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS	
	DC189AT	3.00HP	1750	180	14.8	
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STRAIGHT SHUNT		1.0	DPG	40/F	CONT	200
POWER CODE	TYPE	WK ² (LB-FT ²)	HOT ARM.CIR.RES.	FLD. AMPS@25 °C	HOT FIELD RES	
2/2 230-60-0	TR	.6247	1.17	.946	268	
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H ² O)		URNS PER COIL SHUNT/SERIES	TEST DATE	
10.0	36.3	-/-		2000/.00000	-	
LOAD PERFORMANCE						
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY	
NO LOAD	.60	0	0	1881	0	
1/4	3.7	2.06	.722	1844	62.9	
2/4	7.4	4.47	1.54	1810	72.5	
3/4	11	6.81	2.31	1783	74.4	
4/4	15	8.99	3.03	1770	74.1	
O.L.	22	12.9	4.32	1763	71.7	
RPM VS. FIELD AMPS						
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED		
.745	1881	1770	166	158		
.678	1932	1856	162	151		
.610	2002	1965	157	143		
.543	2114	2107	148	133		
.476	2282	2300	138	122		
MAXIMUM SAFE SPEED = 4500 RPM SPEED REGULATOR REQUIRED FOR STABILITY						
REMARKS: TYPICAL DATA						
		DR. BY <u>J. MARTIN</u>		D-C MOTOR PERFORMANCE DATA DG4605A ISSUE DATE 7/11/88		
		CK. BY <u>J. MARTIN</u> APP. BY <u>T. EVON</u> DATE <u>7/11/88</u>				

REL. S.O.	DUTY CONT	TYPE TR	S.F. 1.0
FRAME DC189AT	ENCL. DPG	WK ² (LB-FT ²) .6247	FLD.AMPS@25°C .946
HP/KW 3.00HP	AMB °C INSL. 40/F	HOT ARM. CIR. RES. 1.17	FIELD IND (H) 36.3
RPM 1750	ARM. AMPS 14.8	ARM. CIRCUIT IND(mh) 10.0	CFM/IN. H ₂ O -/-
ARM. VOLTS 180	FIELD VOLTS 200	HOT FIELD RES. 268	TEST S.O. -
WDG. TYPE STRAIGHT SHUNT	POWER CODE 2/2 230-60-0	TEST DATE -	



REMARKS: TYPICAL DATA SPEED REGULATOR REQUIRED FOR STABILITY



DR. BY	J. MARTIN
CK. BY	J. MARTIN
APP. BY	T. EVON
DATE	7/11/88

**D-C
PERFORMANCE
CURVES**

PG4605A
ISSUE DATE 7/11/88