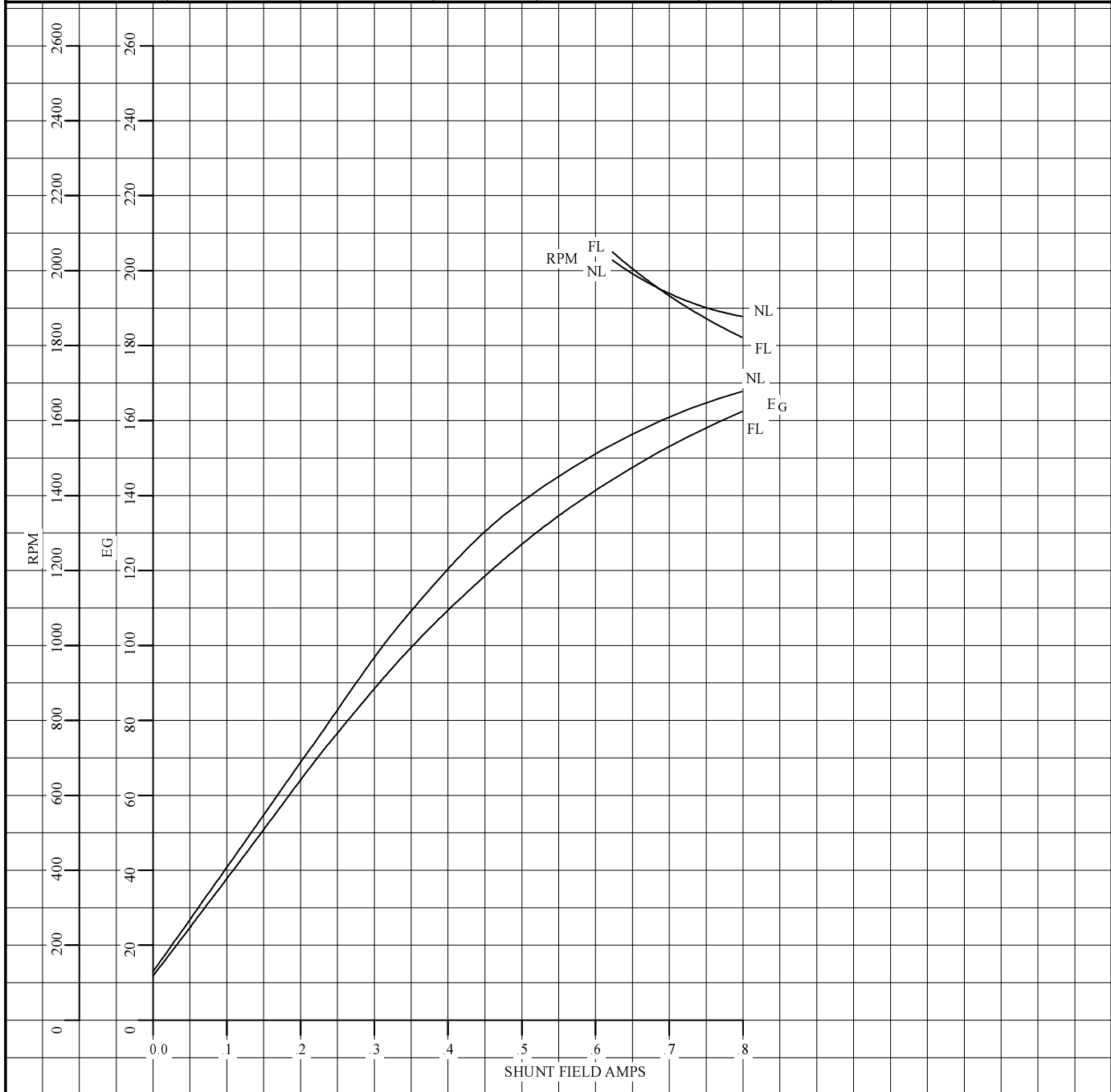


REL S.O.		FRAME DC1811AT		RATING 3.00HP		BASE SPEED 1750		WINDING TYPE STRAIGHT SHUNT							
S.F. 1.0	ENCL. TENV	AMB ⁰ C/INSUL 40/F		DUTY CONT		POWER CODE/FORM FACTOR 2/2 230-60-0			TYPE TR	WK ² (LB-FT ²) .7906					
COOLING AIR(CFM/IN H ₂ O) ³ -/-		θ (sec) .498		R (hot) .0645		T _E .0122		T _M .0322		BASIC RPM 1950	MAX CONT RPM 2050	WINDER RPM -	MAX. SAFE 4500		
WINDING		VOLTS		RESISTANCE		CURRENT				INDUCTANCE		TURNS PER COIL			
				25 ⁰ C		HOT		25 ⁰ C						HOT	
ARM CIRCUIT		180		.428		.639		-		14.1		9.48 mH		-	
SERIES S1-S2		-		-		-		-		-		-		-	
SHUNT F1-F2		200		171		250		1.17		.799		40.2 H		1650	



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



DR. BY	R.ERLACHER
CK. BY	R.ERLACHER
APP. BY	T.S.EVON
DATE	08-04-88

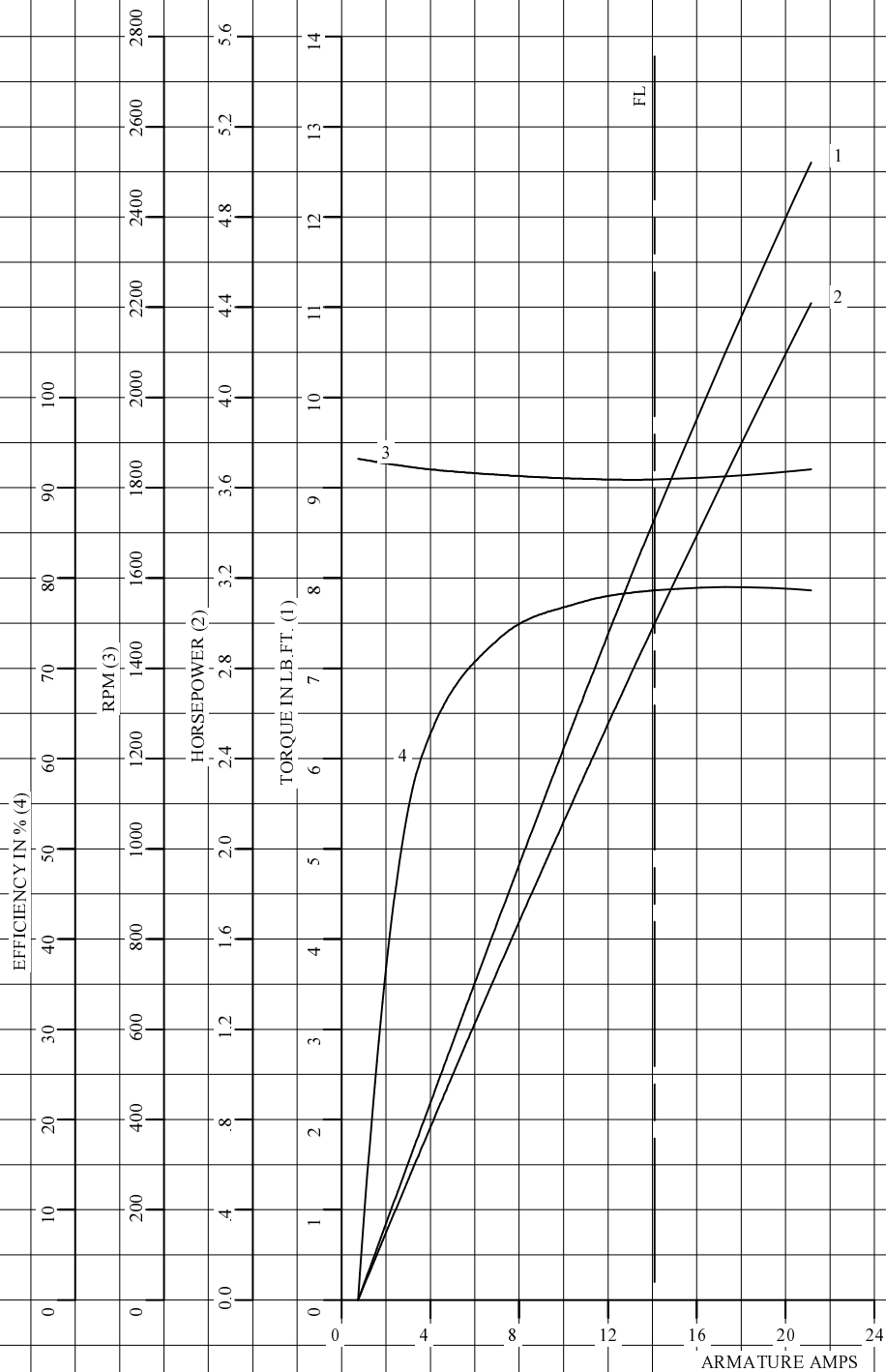
**D-C
APPLICATION
DATA**

SG4610A

ISSUE DATE 08-04-88

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS	
	DC1811AT	3.00HP	1750	180	14.1	
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STRAIGHT SHUNT		1.0	TENV	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	.7906	.638	1.16	250	
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H ² 0)		URNS PER COIL SHUNT/SERIES	TEST DATE	
9.47	40.2	-/-		1650/.00000	-	
LOAD PERFORMANCE						
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY	
NO LOAD	.75	0	0	1865	0	
1/4	3.5	1.87	.656	1843	59.6	
2/4	7.0	4.20	1.46	1829	73.2	
3/4	11	6.48	2.24	1820	77.2	
4/4	14	8.66	3.00	1818	78.6	
O.L.	21	12.6	4.42	1841	78.6	
RPM VS. FIELD AMPS			Eg VS. FIELD AMPS			
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED		
.798	1864	1818	167	162		
.754	1898	1867	165	158		
.710	1929	1918	161	154		
.666	1972	1979	158	149		
.622	2027	2050	154	144		
MAXIMUM SAFE SPEED = 4500 RPM SPEED REGULATOR REQUIRED FOR STABILITY REMARKS: TYPICAL DATA						
		DR. BY R.ERLACHER CK. BY R.ERLACHER APP. BY T.S.EVON DATE 08-04-88		D-C MOTOR PERFORMANCE DATA DG4610A ISSUE DATE 08-04-88		

REL. S.O.	DUTY CONT	TYPE TR	S.F. 1.0
FRAME DC1811AT	ENCL. TENV	WK ² (LB-FT ²) .7906	FLD.AMPS@25 °C 1.16
HP/KW 3.00HP	AMB °C INSL. 40/F	HOT ARM. CIR. RES. .638	FIELD IND (H) 40.2
RPM 1750	ARM. AMPS 14.1	ARM. CIRCUIT IND(mh) 9.47	CFM/IN. H ₂ O -/-
ARM. VOLTS 180	FIELD VOLTS 200	HOT FIELD RES. 250	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	R.ERLACHER
CK. BY	R.ERLACHER
APP. BY	T.S.EVON
DATE	08-04-88

**D-C
PERFORMANCE
CURVES**

PG4610A

ISSUE DATE 08-04-88