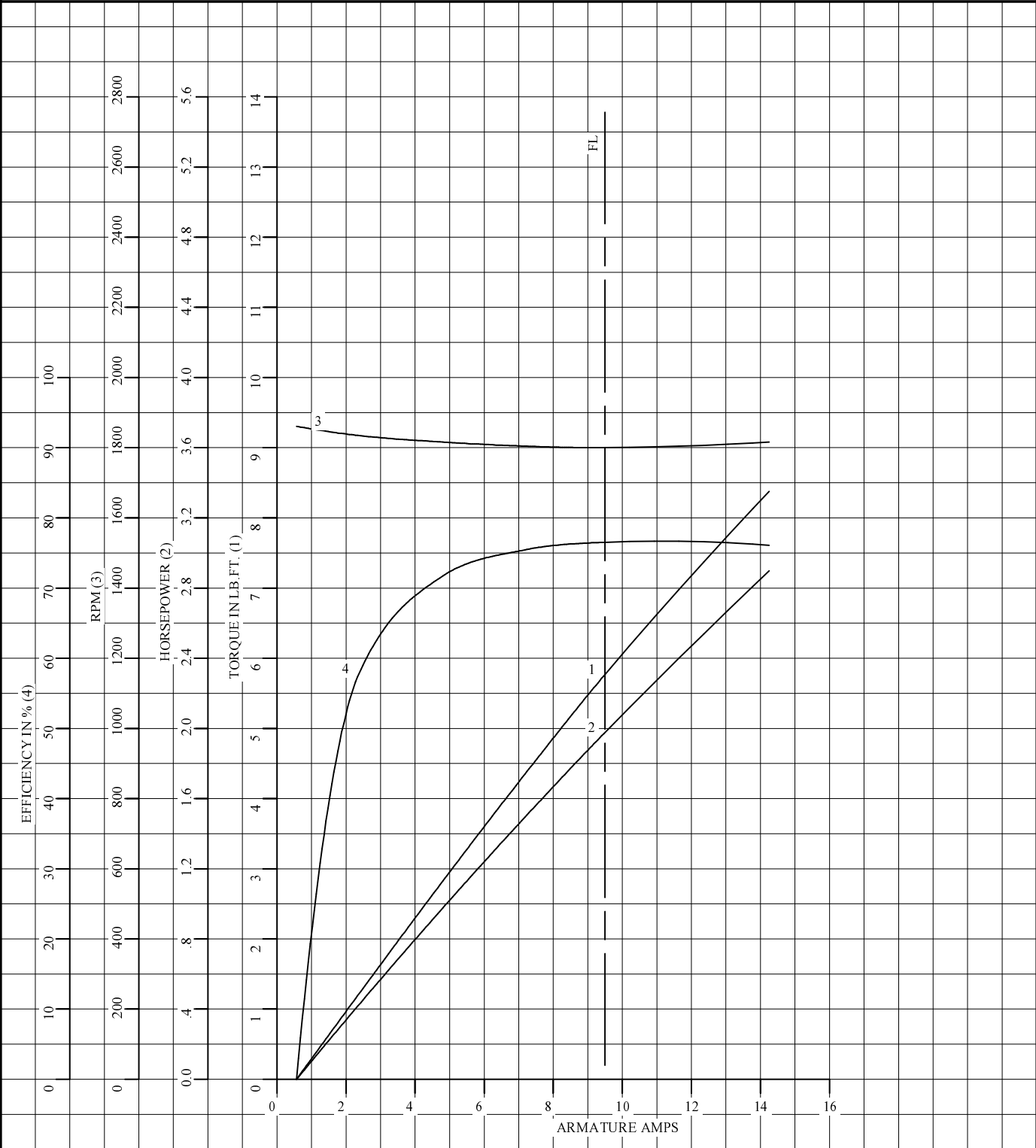


REL S.O.		FRAME DC189AT		RATING 2.00HP		BASE SPEED 1750		WINDING TYPE STRAIGHT SHUNT						
S.F. 1.0	ENCL. TENV	AMB ⁰ C/INSUL 40/F		DUTY CONT		POWER CODE/FORM FACTOR 2/2 230-60-0			TYPE TR	WK ² (LB-FT ²) .6247				
COOLING AIR(CFM/IN H ₂ O) -/-		J (sec) .591		R (hot) .0799		T _E .0103		T _M .0472	BASIC RPM 1950	MAX CONT RPM 2100	WINDER RPM -	MAX. SAFE 4500		
WINDING		VOLTS		RESISTANCE		CURRENT				INDUCTANCE	TURNS PER COIL			
				25 ⁰ C		HOT		25 ⁰ C				HOT		
ARM CIRCUIT		180		.853		1.23		-		9.50		14.5	mH	-
SERIES S1-S2		-		-		-		-		-		-		-
SHUNT F1-F2		200		277		395		.722		.507		64.4	H	2500

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS	
	DC189AT	2.00HP	1750	180	9.50	
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	.6247	1.22	.721	394
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H ² 0)		TURNS PER COIL SHUNT/SERIES		TEST DATE
14.5	64.3	-/-		2500/.00000		-
LOAD PERFORMANCE						
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY	
NO LOAD	.57	0	0	1861	0	
1/4	2.4	1.22	.425	1835	57.8	
2/4	4.8	2.79	.965	1816	71.6	
3/4	7.1	4.31	1.48	1805	75.4	
4/4	9.5	5.77	1.98	1800	76.5	
O.L.	14	8.38	2.90	1816	76.1	
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		
.506	1861	1799	167	161		
.474	1902	1859	164	156		
.441	1944	1926	161	151		
.409	2003	2005	156	145		
.376	2082	2100	150	138		
REMARKS: TYPICAL DATA MAXIMUM SAFE SPEED = 4500 RPM SPEED REGULATOR REQUIRED FOR STABILITY						
			DR. BY J. MARTIN CK. BY J. MARTIN APP. BY T. EVON DATE 7-8-88			
			D-C MOTOR PERFORMANCE DATA DG4603A ISSUE DATE 1/30/91			

REL. S.O.	DUTY CONT	TYPE TR	S.F. 1.0
FRAME DC189AT	ENCL. TENV	WK ² (LB-FT ²) .6247	FLD.AMPS@25 °C .721
HP/KW 2.00HP	AMB °C INSL. 40/F	HOT ARM. CIR. RES. 1.22	FIELD IND (H) 64.3
RPM 1750	ARM. AMPS 9.50	ARM. CIRCUIT IND(mh) 14.5	CFM/IN. H ₂ O -/-
ARM. VOLTS 180	FIELD VOLTS 200	HOT FIELD RES. 394	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	7-8-88

**D-C
PERFORMANCE
CURVES**

PG4603A

ISSUE DATE 1/30/91