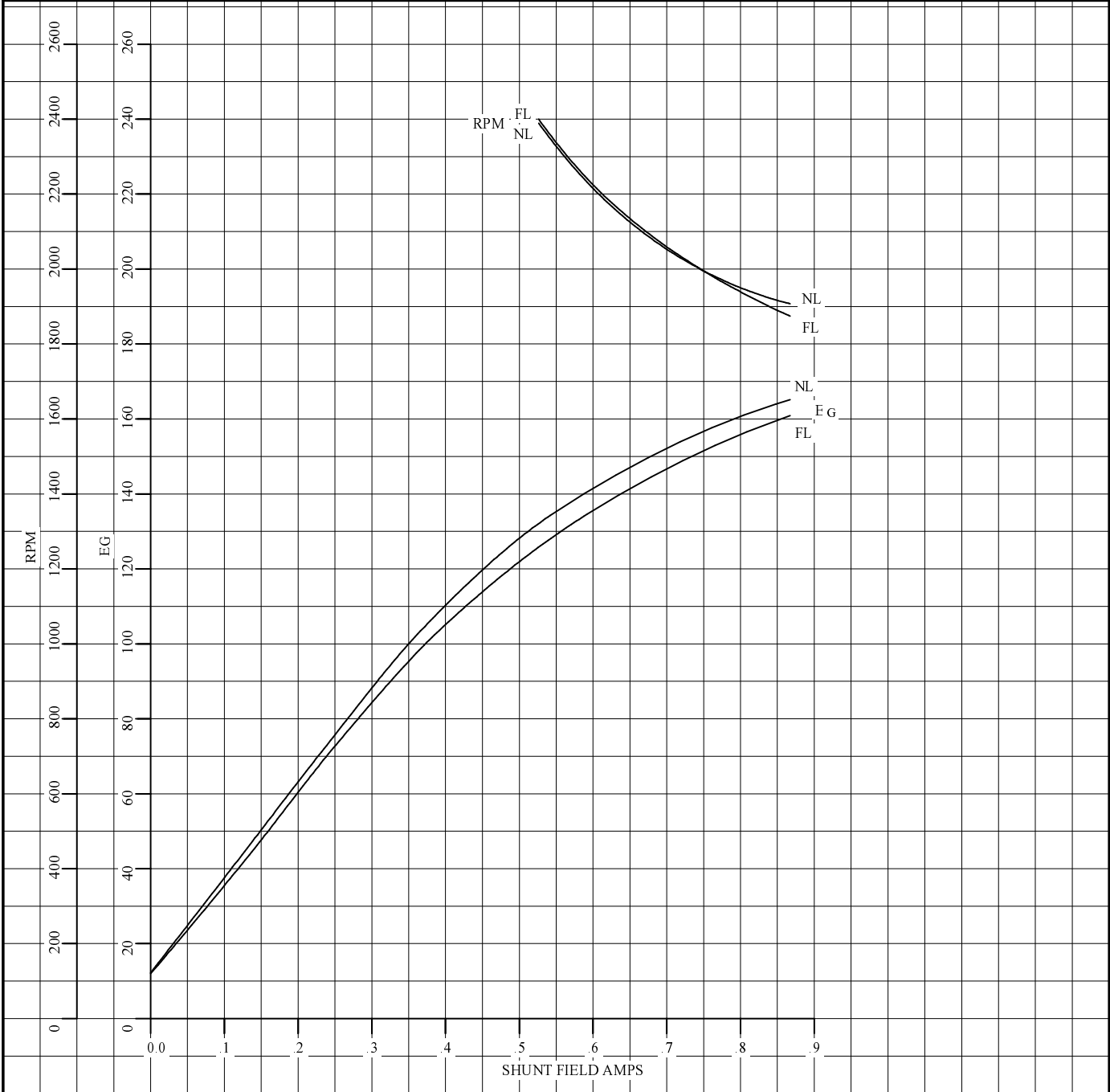


REL S.O.		FRAME DC2112AT	RATING 5.00HP	BASE SPEED 1750	WINDING TYPE STRAIGHT SHUNT			
S.F. 1.0	ENCL. TENV	AMB <sup>o</sup> C/INSUL 40/F	DUTY CONT	POWER CODE/FORM FACTOR 2/2 230-60-0		TYPE TR	WK <sup>2</sup> (LB-FT <sup>2</sup> ) 2.093	
COOLING AIR(CFM/IN H <sub>2</sub> O) <sup>1/2</sup> (sec) -/-		$\bar{R}$ (hot) .792	T <sub>E</sub> .0109	T <sub>M</sub> .0352	BASIC RPM 2050	MAX CONT RPM 2400	WINDER RPM -	MAX. SAFE 4500
WINDING	VOLTS	RESISTANCE		CURRENT		INDUCTANCE	TURNS PER COIL	
		25 <sup>o</sup> C	HOT	25 <sup>o</sup> C	HOT			
ARM CIRCUIT	180	.148	.219	-	23.0	3.64 mH	-	
SERIES S1-S2	-	-	-	-	-	-	-	
SHUNT F1-F2	200	154	231	1.30	.867	64.5 H	1800	



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	08-08-88

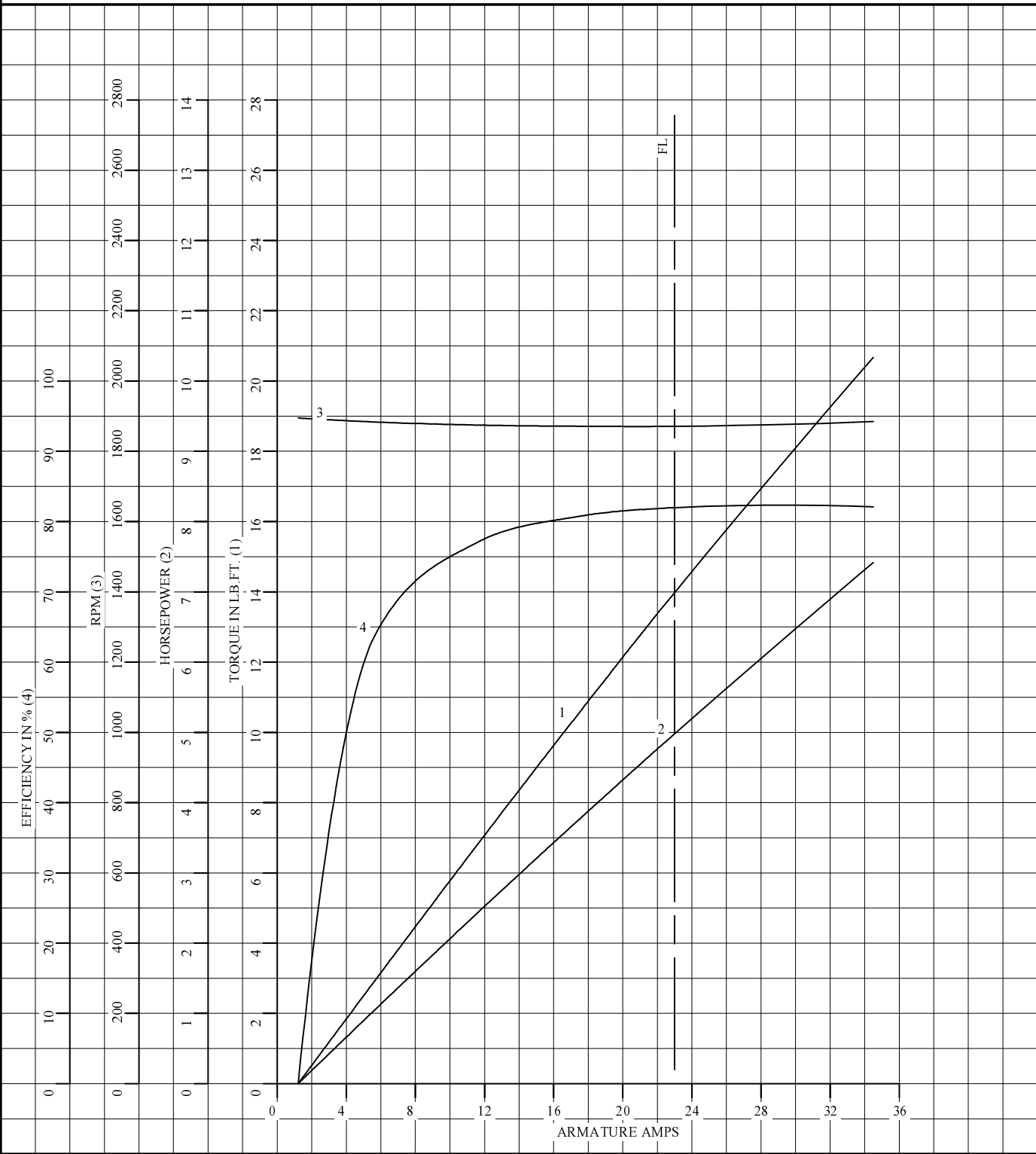
D-C  
APPLICATION  
DATA

SG7197A

ISSUE DATE 02-02-90

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS	
	DC2112AT	5.00HP	1750	180	23.0	
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STRAIGHT SHUNT		1.0	TENV	40/F	CONT	200
POWER CODE	TYPE	WK <sup>2</sup> (LB-FT <sup>2</sup> )	HOT ARM.CIR.RES.	FLD. AMPS@25 °C	HOT FIELD RES	
2/2 230-60-0	TR	2.093	.218	1.30	230	
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H <sup>2</sup> O)		URNS PER COIL SHUNT/SERIES	TEST DATE	
3.63	64.4	-/-		1800/.00000	-	
LOAD PERFORMANCE						
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY	
NO LOAD	1.2	0	0	1895	0	
1/4	5.8	3.00	1.07	1883	64.3	
2/4	12	6.75	2.41	1875	76.9	
3/4	17	10.4	3.71	1871	80.7	
4/4	23	14.0	4.98	1871	82.0	
O.L.	35	20.7	7.42	1884	82.1	
RPM VS. FIELD AMPS						
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED		
.867	1894	1871	165	160		
.782	1964	1958	159	153		
.696	2057	2063	151	146		
.611	2192	2202	143	136		
.526	2389	2400	131	125		
MAXIMUM SAFE SPEED = 4500 RPM SPEED REGULATOR REQUIRED FOR STABILITY						
REMARKS: TYPICAL DATA						
		DR. BY <u>R. ERLACHER</u>		<b>D-C MOTOR</b> DG7197A <b>PERFORMANCE</b> <b>DATA</b>		
		CK. BY <u>R. ERLACHER</u>				ISSUE DATE 02-02-90
		APP. BY <u>T. S. EVON</u>				
		DATE <u>08-08-88</u>				

REL. S.O.	DUTY CONT	TYPE TR	S.F. 1.0
FRAME DC2112AT	ENCL. TENV	WK <sup>2</sup> (LB-FT <sup>2</sup> ) 2.093	FLD.AMPS@25 °C 1.30
HP/KW 5.00HP	AMB °C INSL. 40/F	HOT ARM. CIR. RES. .218	FIELD IND (H) 64.4
RPM 1750	ARM. AMPS 23.0	ARM. CIRCUIT IND(mh) 3.63	CFM/IN. H <sub>2</sub> O -/-
ARM. VOLTS 180	FIELD VOLTS 200	HOT FIELD RES. 230	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	08-08-88

**D-C  
PERFORMANCE  
CURVES**

PG7197A  
ISSUE DATE 02-02-90