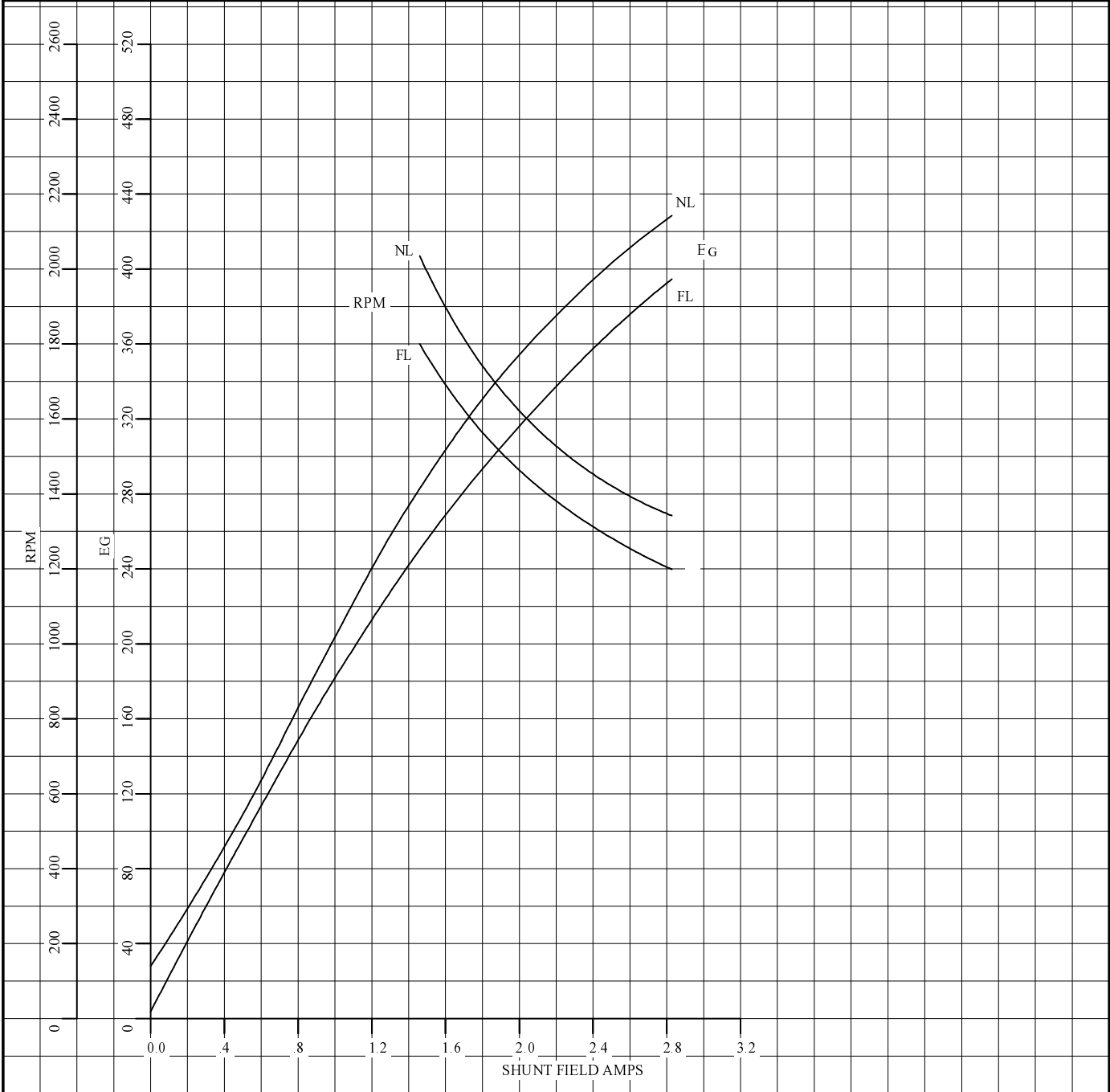


REL S.O.		FRAME LC2115ATZ	RATING 30.0HP	BASE SPEED 1150	WINDING TYPE STAB SHUNT			
S.F. 1.0	ENCL. DPFV	AMB ^o C/INSUL 40/F	DUTY CONT	POWER CODE/FORM FACTOR C		TYPE TR	WK ² (LB-FT ²) 3.618	
COOLING AIR(CFM/IN H ₂ O) ^{1/2} (sec) 300/2.25		\bar{R} (hot) .0986	T _E .0126	T _M .0175	BASIC RPM 1380	MAX CONT RPM 1800	WINDER RPM -	MAX. SAFE 4500
WINDING	VOLTS	RESISTANCE		CURRENT		INDUCTANCE	TURNS PER COIL	
		25 ^o C	HOT	25 ^o C	HOT			
ARM CIRCUIT	500	1.00	1.35	-	54.0	17.7 mH	-	
SERIES S1-S2	-	.0225	.0299	-	54.0	-	2.00	
SHUNT F1-F2	300	76.6	106	3.92	2.83	11.4 H	680	



REMARKS: TYPICAL DATA
CURVES VALID FOR NAMEPLATE SPEED RANGE ONLY




DR. BY T. BELL
CK. BY T. BELL
APP. BY T. SEVON
DATE 09-13-95

D-C
APPLICATION
DATA

SG8380AB

ISSUE DATE 09-13-95

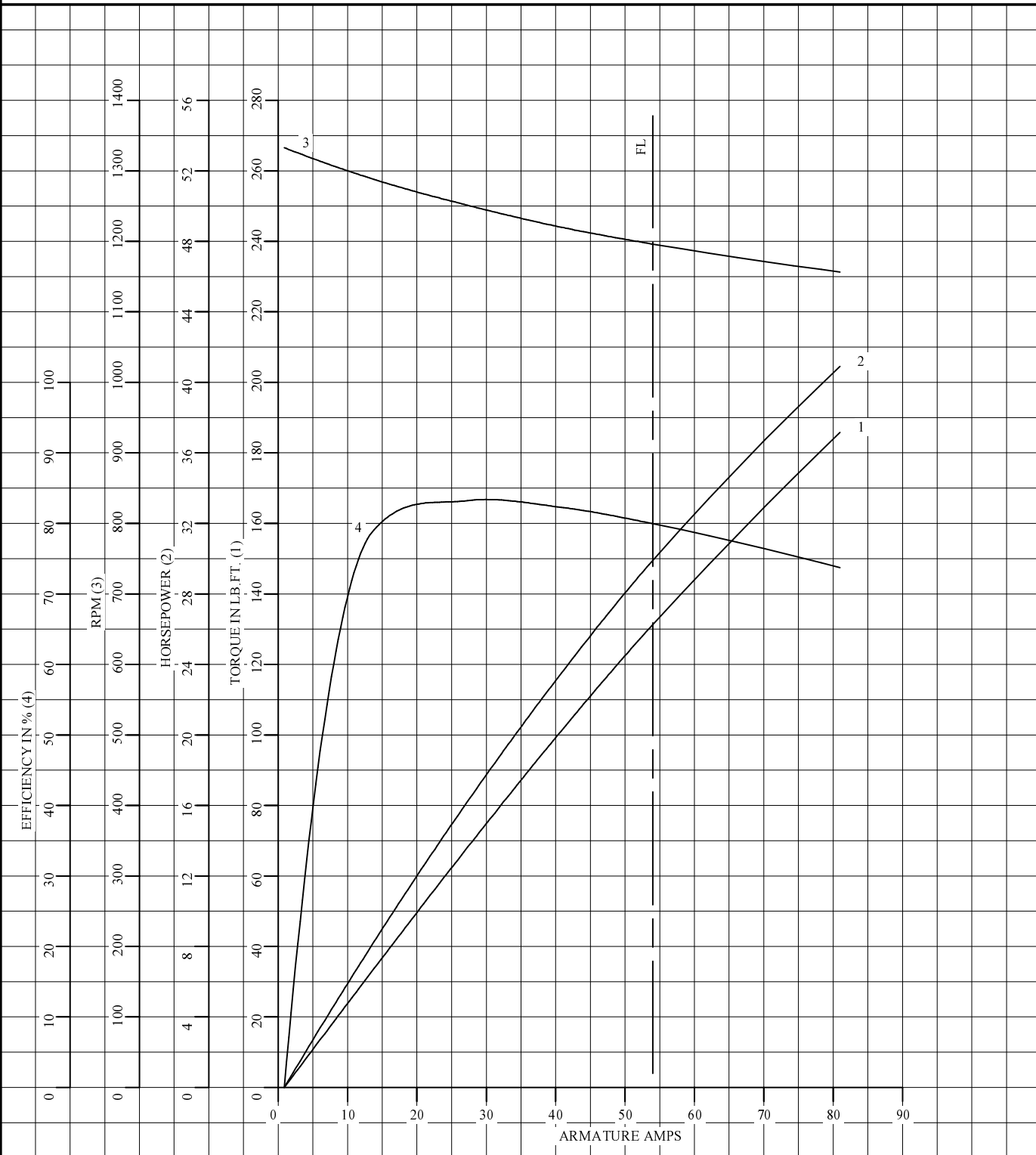
REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS	
	LC2115ATZ	30.0HP	1150	500	54.0	
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STAB. SHUNT		1.0	DPFV	40/F	CONT	300
POWER CODE	TYPE	WK ² (LB-FT ²)	HOT ARM.CIR.RES.	FLD. AMPS@25 °C	HOT FIELD RES	
C	TR	3.618	1.35	3.91	106	
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H ² O)		URNS PER COIL SHUNT/SERIES	TEST DATE	
17.7	11.3	300/2.25		680/2	-	
LOAD PERFORMANCE						
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY	
NO LOAD	.89	0	0	1333	0	
1/4	14	32.9	8.07	1289	78.7	
2/4	27	67.4	16.1	1252	83.2	
3/4	41	100	23.3	1221	82.3	
4/4	54	131	29.9	1196	80.0	
O.L.	81	186	40.9	1156	73.7	
RPM VS. FIELD AMPS						
FIELD AMPS	RPM N.L.	RPM F.L.	Eg VS. FIELD AMPS			
			Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED		
2.82	1332	1196	428	394		
2.48	1425	1286	401	365		
2.14	1552	1402	369	331		
1.80	1741	1563	330	293		
1.45	2034	1800	282	250		
MAXIMUM SAFE SPEED = 4500 RPM						
REMARKS: TYPICAL DATA						
		DR. BY <u>T. BELL</u> CK. BY <u>T. BELL</u> APP. BY <u>T.S.EVON</u> DATE <u>09-13-95</u>		D-C MOTOR PERFORMANCE DATA DG8380AB ISSUE DATE 09-13-95		

REL. S.O.
 FRAME LC2115ATZ
 HP/KW 30.0HP
 RPM 1150
 ARM. VOLTS 500
 WDG. TYPE STAB. SHUNT

DUTY CONT
 ENCL. DPFV
 AMB °C INSL. 40/F
 ARM. AMPS 54.0
 FIELD VOLTS 300

TYPE TR
 WK²(LB-FT²) 3.618
 HOT ARM. CIR. RES. 1.35
 ARM. CIRCUIT IND(mh) 17.7
 HOT FIELD RES. 106
 POWER CODE C

S.F. 1.0
 FLD.AMPS@25 °C 3.91
 FIELD IND (H) 11.3
 CFM/IN. H₂O 300/2.25
 TEST S.O. -
 TEST DATE -



REMARKS: TYPICAL DATA



DR. BY T. BELL
 CK. BY T. BELL
 APP. BY T. SEVON
 DATE 09-13-95

D-C PERFORMANCE CURVES
 PG8380AB
 ISSUE DATE 09-13-95