

BALDOR® • RELIANCE

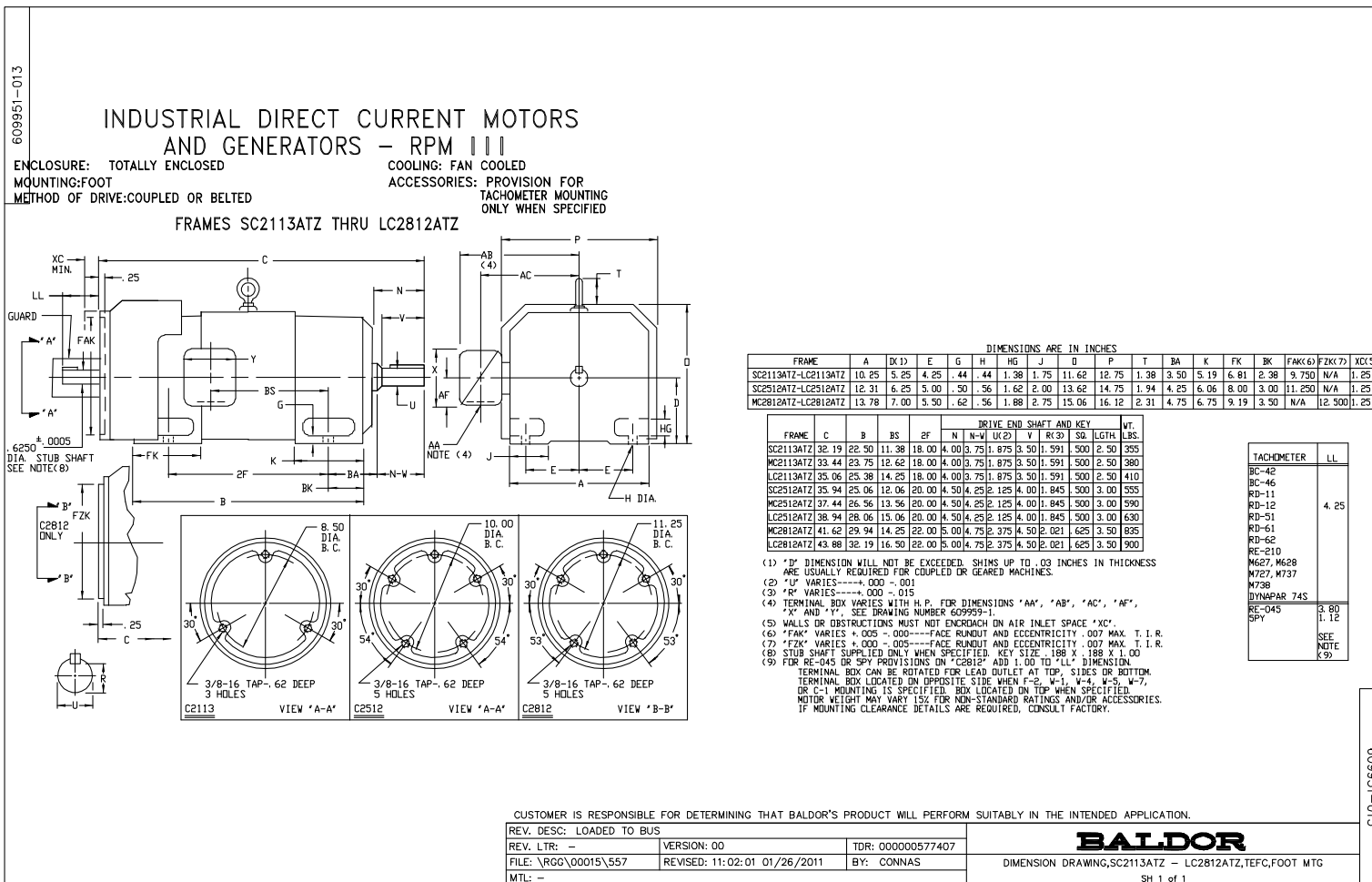
Product Information Packet

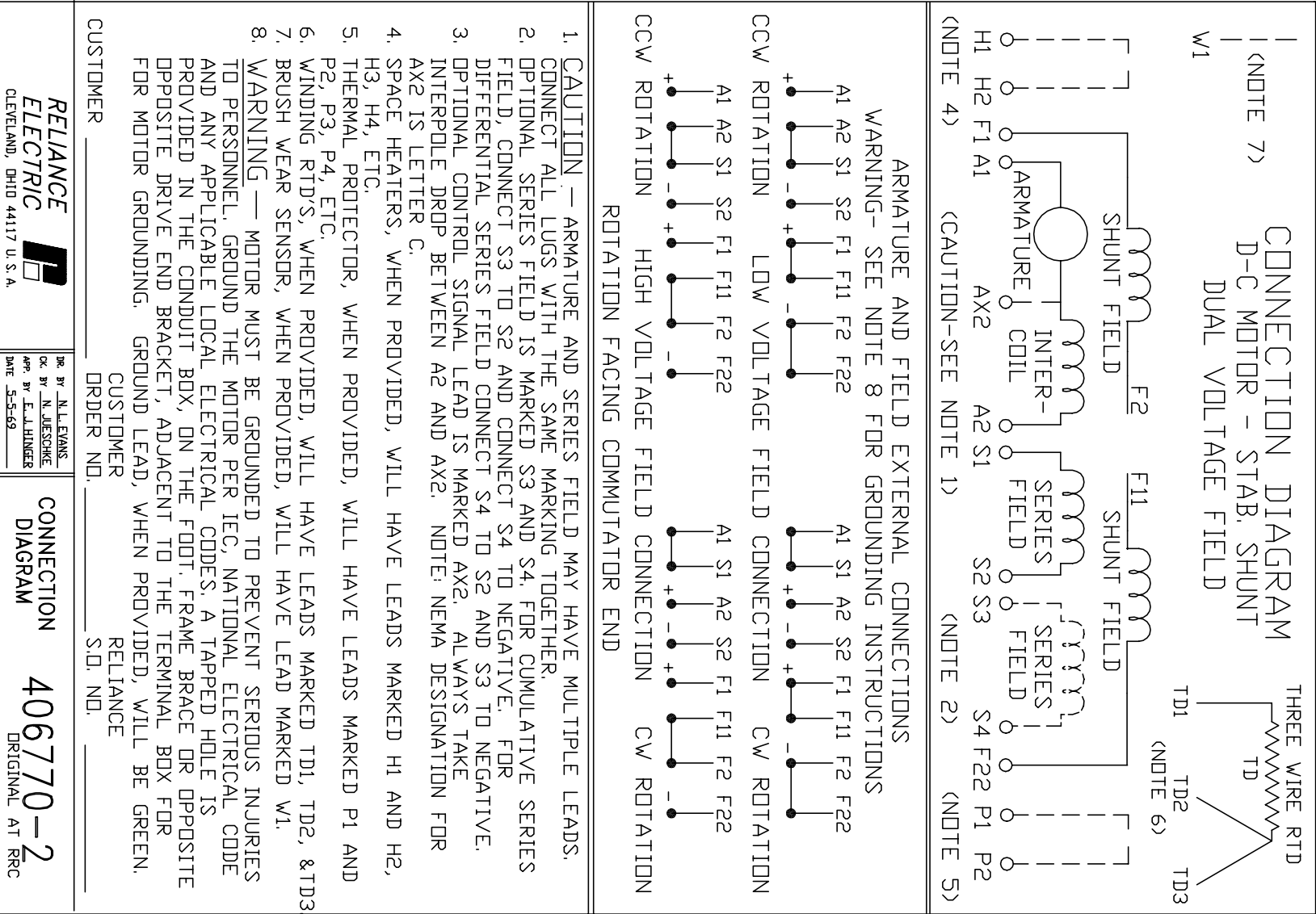
D5520R

20 1750/2300 LC2512ATZ TEFC 500V

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Part Detail			
Type:	DC	Prod. Type:	TR
Power Code:	C	Weight:	640
Frame Group:	LC 2512ATZ	Mounting Pos.:	F1
HP:	20	Enclosure:	TEFC
RPM:	1750/2300	Wound:	STAB SHUNT
Service Factor:	1.0	Arm V:	500
Arm A:	33.00	Field V:	300
Field A:	2.06	Field A Hot:	1.43/.98
Insulation Class:	F	Ambient:	40
Duty:	CONT	DE Bearing:	60BC03J30X
ODE Bearing:	50BC02J30X	Brushes:	419904-51AB
Brush Qty.:			





REL. S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	LC2512AT	20.0HP	1750	500	33.0
WINDING TYPE					
	S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STAB. SHUNT	1.0	TEFC	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	6.178	.917	2.05	210
ARM. CIR. IND. (mH)					
	FIELD IND. (H)	COOLING AIR (CFM/IN H 20)		TURNS PER COIL SHUNT/SERIES	TEST DATE
10.9	39.9	-/-		1100/2	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	1.2	0	0	1907	0
1/4	8.2	13.0	4.64	1874	74.8
2/4	17	28.2	9.87	1842	84.1
3/4	25	43.2	14.9	1814	86.4
4/4	33	57.9	19.8	1791	86.7
O.L.	50	86.3	28.8	1756	85.2
RPM VS. FIELD AMPS					
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
1.42	1906	1790	456	444	
1.32	2023	1882	432	420	
1.22	2154	1994	406	394	
1.12	2313	2131	378	367	
1.01	2511	2300	348	338	
REMARKS: TYPICAL DATA					
MAXIMUM SAFE SPEED = 4500 RPM					
RELIANCE 		DR. BY <u>B. GRANT</u> CK. BY <u>B. GRANT</u> APP. BY <u>T. EVON</u> DATE <u>08-2-85</u>		D-C MOTOR PERFORMANCE DATA D66143B ISSUE DATE 8-2-85	

