

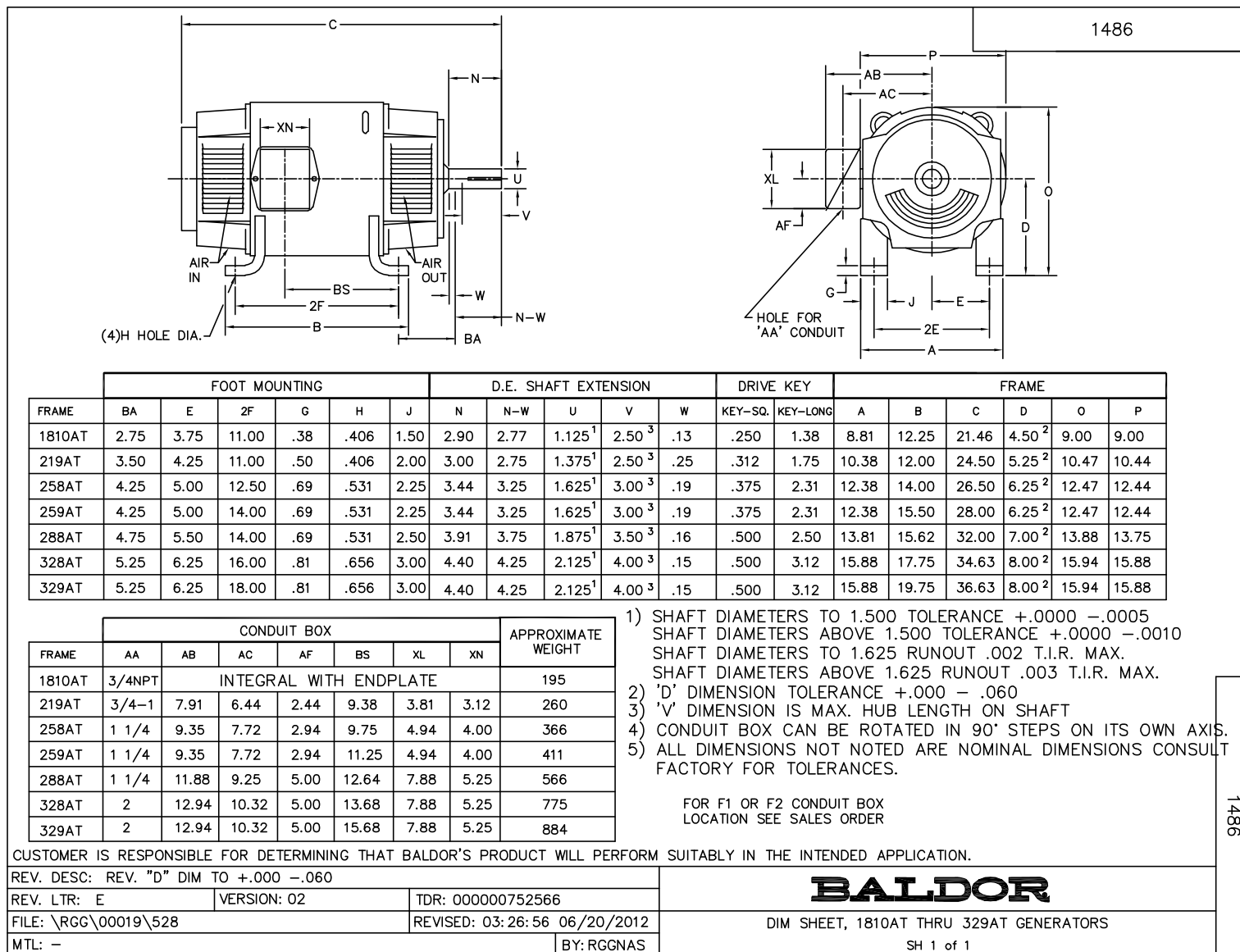
BALDOR® • RELIANCE

Product Information Packet

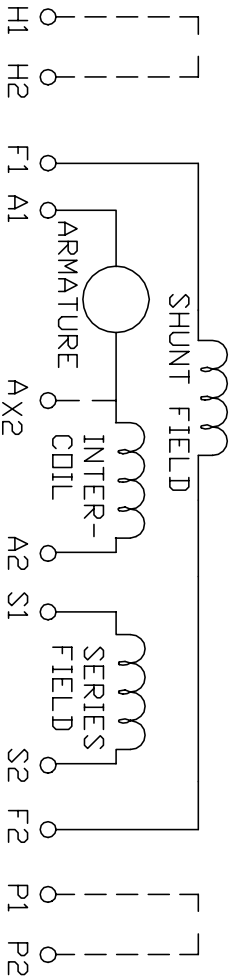
DMG2333

33KW,1750RPM,DC,328AT,DPFG,F2

Part Detail			
Type:	DC	Prod. Type:	T
Power Code:	A	Weight:	840
Frame Group:		Mounting Pos.:	F2
HP:	33	Enclosure:	DPFG
RPM:	1750	Wound:	COMPOUND
Service Factor:	1.0	Arm V:	230
Arm A:	144.00	Field V:	230
Field A:	3.16	Field A Hot:	2.13-1.30/1.11-
Insulation Class:	F	Ambient:	40
Duty:	CONT	DE Bearing:	6211
ODE Bearing:	6210	Brushes:	28610-1
Brush Qty.:			



CONNECTION DIAGRAM
D-C GENERATOR - COMPOUND

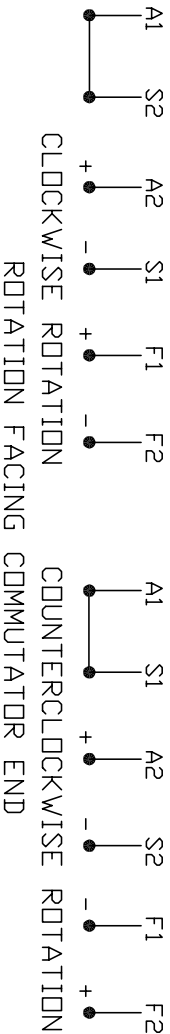


(NOTE 3) (CAUTION-SEE NOTE 1)

(NOTE 4)

ARMATURE AND FIELD EXTERNAL CONNECTIONS

WARNING-- SEE NOTE 7 FOR GROUNDING INSTRUCTIONS



1. CAUTION — ARMATURE AND SERIES FIELD MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.
2. OPTIONAL CONTROL SIGNAL LEAD MARKED AX2. ALWAYS TAKE INTERPOLE DROP BETWEEN A2 AND AX2. NOTE: NEMA DESIGNATION FOR AX2 IS LETTER C.
3. SPACE HEATERS, WHEN PROVIDED, WILL HAVE LEADS MARKED H1 AND H2, H3, H4, ETC.
4. THERMAL PROTECTOR, WHEN PROVIDED WILL HAVE LEADS MARKED P1 AND P2, P3, P4, ETC.
5. FIELD POLARITIES ARE SHOWN FOR CUMULATIVE EXCITATION.
6. FOR SELF-EXCITATION OF SHUNT FIELDS, CONNECT THROUGH CONTROL DEVICE TO ARMATURE LEADS OF DESIRED POLARITY.
7. WARNING — GENERATOR MUST BE GROUNDED TO PREVENT SERIOUS INJURIES TO PERSONNEL. GROUND THE GENERATOR PER IEC, NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL ELECTRICAL CODES. A TAPPED HOLE IS PROVIDED IN THE CONDUIT BOX, ON THE FOOT, FRAME BRACE OR OPPOSITE DRIVE END BRACKET ADJACENT TO TERMINAL BOX FOR GENERATOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL BE GREEN.

CUSTOMER _____ RELIANCE
ORDER NO. _____ S.D. NO. _____

RELIANCE ELECTRIC CLEVELAND, OHIO 44117 U.S.A.	Dr. by N.L. EVANS OK. by N.F. JUESCHKE App. by E. J. HINER DATE 5/5/69	CONNECTION DIAGRAM 413430-1 ISSUE DATE NOV. 1, 1978
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C/R 244907, 354465

(SHEET 1 - FOR CONNECTION DIAGRAM LABEL SEE SHEET 2)

REL. S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	328	33.0HP	1750	230	144
WINDING TYPE					
	S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STAB. SHUNT	1.0	DPG	40/F	CONT	230
POWER CODE					
	TYPE	WK ² (LB-FT ²)	HOT ARM. CIR. RES.	FLD. AMPS@25 °C	HOT FIELD RES
A	T	7.377	.126	3.16	107
ARM. CIR. IND. (mh)					
	FIELD IND. (H)	COOLING AIR (CFM/IN H 20)		TURNS PER COIL SHUNT/SERIES	TEST DATE
2.27	104	-/-		2000/3	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	474	0	0	1529	0
1/4	36	0	0	1491	0
2/4	72	0	0	1451	0
3/4	108	0	0	1416	0
4/4	144	0	0	1385	0
O.L.	216	0	0	1326	0
RPM VS. FIELD AMPS					
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
2.13	1529	1384	261	258	
1.92	1570	1699	256	250	
1.71	1637	1750	246	239	
1.49	1751	1828	230	225	
1.28	1931	1950	208	205	
REMARKS: TYPICAL DATA					

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DR. BY E. H. GILLLOT
CK. BY B. GRANT
APP. BY R. ERLACHER
DATE 05-14-09

D-C MOTOR
PERFORMANCE
DATA
DK0087A
ISSUE DATE 05-14-09