

ELECTRIC

MOTOR DIVISION, CLEVELAND, OHIO 44117, U.S.A.

DATA TRANSMI
AND CERTIFICA

REFER TO THIS NU
IN ALL CORRESPON

CUSTOMER ORDER NO. M434D-86-002	DATE 09/11/86	REQ. NO.	S.O. NO. 02KA847275
	CLYDE/A DIV AMCA INTL 580 WESTLAKE PARK BLVD HOUSTON TEX 77079		
SHIP TO: SAME AS "SOLD TO" UNLESS SHOWN RELIANCE ELECTRIC CO. 3300 TENTH ST. COLUMBUS INC. 47201	DATA PROVIDED WITH THIS TRANSMITTAL AND CERTIFICATION IS: <input type="checkbox"/> FOR CUSTOMER APPROVAL BY DATE: _____ Return of approval prints by the above date is required to assure scheduled shipment, delay in return and/or revision of approval prints may require shipment reschedule. Return approved D/S to data source. <input checked="" type="checkbox"/> FINAL, APPROVED FOR CONSTRUCTION OR INSTALLATION. <input type="checkbox"/> PRELIMINARY, ENGINEERING IS COMPLETED. <input type="checkbox"/> REVISED, SUPERSEDES DATA PREVIOUSLY ISSUED. <input type="checkbox"/> SEE REMARKS.		

DATA SOURCE: TRANSMITTAL AND CERTIFICATION ISSUED BY: R. W. Snyder DATE 11-11-86 CK BY J. S. Cufor DATE 11-11
 GAINESVILLE PLANT
 THURMOND TANNER ROAD
 GAINESVILLE, GA. 30542
 DATE PRINTED: 11/10/86

MOTOR OR GEN. DATA	ITEM T	USED FOR TRAVEL DRIVE	USERS PLANT	MOTOR OR GEN. D/S: 609950-8/#
	QTY. 8	FRAME 2511ATY	SSC 10.8 HP	SERV. FA 1.00
	PH/HZ/VOLTS-WINDING DC/ 115/CPD	DUTY 60 MIN	ENCLOSURE TENV	TYPE TR
	BEARINGS BALL	MOUNTING & METHOD OF DRIVE #2 CPLD	RAILS OR BASE	R.P.M. 1150
	ROTAT FROM OPP. DR. END REV	D-C FIELD EXCITATION SEP 120	DOUBLE SHAFT EXTEN.	A.M.B./INSL. 40 /F /
REDUCER DATA	REDUCER STYLE 87400	CLASS	FRAME	PWR. CODE A
	BRAKE TYPE	SIZE	RATING 50 FT/LB	MOTOR OR GEN. C/D: 406770-1
			DUTY	REDUCER OR AUX D/S:
			P.O.	BLOWER MOTOR PH/HZ/VOLTS/HP

DATA FOR CONTROL	D-C MOTOR ARMATURE CURRENT: 83.00 AMPS	A-C MOTOR INFORMATION FOR SELECTION OF STARTER HEATERS:
	FIELD CHARACTERISTICS PER CURVE:	CODE: _____ LOCKED AMPS: _____
	F ₁ -F ₂ , 4.04 MAX. AMPS _____ RPM	F.L. CURRENT: _____ AMPS.
	F ₁ -F ₂₂ , _____ MAX. AMPS _____ RPM	
	F ₃ -F ₄ , _____ MAX. AMPS _____ RPM	

SPL. INSTAL. LA. TION FEAT. AND MISC. DATA

ADDITIONAL MOTOR OR GEN DATA:
 SPECIAL NAMEPLATE MARKING: **CLYDE S/N 28824**
 PHASE: DC HERTZ: _____ VOLTS: **115**
 LD LOC - STD
 FR CONST RGD
 WDG PROT QTY 1 DESCRIPTION N/C THERMOSTAT

SPECIAL MARKS:
 "CLYDE S/N 28824"

SPECIAL FEATURES:
 MOTOR & BRAKE SPACE HTRS. OPERATED ON 230VDC.
 WATERPROOF FEATURES. FRAMES & BRKTS TO BE FABRICATED FROM STEEL. BOLT HOLE "H" DIM .81" FOR .75" BOLT. MAIN & AUX. C/BOX TO BE STEEL WITH WEATHERPROOF CONSTRUCTION. DRAIN PLUGS AT LOW POINT-OPP. C/BOX. "C" PLUS "XXB" NOT TO EXCEED 38.81" AH=3 1/8" U=1 3/8". BRAKE-SPRING SET ELECT.

CONTINUED ON PAGE 2

REV

REFER TO THIS NUMBER IN ALL CORRESPONDENCE

SOLD	CUSTOMER ORDER NO.	DATE	REQ. NO.	S.O. NO.
	02KA847275			
SHIP TO:	SAME AS "SOLD TO" UNLESS SHOWN			

DATA PROVIDED WITH THIS TRANSMITTAL AND CERTIFICATION IS:

FOR CUSTOMER APPROVAL BY DATE: _____
Return of approval prints by the above date is required to assure scheduled shipment, delay in return and/or revision of approval prints may require shipment reschedule. Return approved D/S to data source.

FINAL, APPROVED FOR CONSTRUCTION OR INSTALLATION.

PRELIMINARY, ENGINEERING IS COMPLETED.

REVISED, SUPERSEDES DATA PREVIOUSLY ISSUED.

SEE REMARKS.

DATA SOURCE: TRANSMITTAL AND CERTIFICATION ISSUED BY: _____ DATE _____ CK BY _____ DATE _____

MOTOR OR GEN. DATA	ITEM	USED FOR				USERS PLANT	MOTOR OR GEN. D/S:
	QTY.	FRAME	SERV. FA	TYPE	R.P.M.	C BOX D/S	
	PH/HZ/VOLTS-WINDING	DUTY	ENCLOSURE	AMB./INSL	PWR. CODE	MOTOR OR GEN. C/D:	
	BEARINGS	MOUNTING & METHOD OF DRIVE	RAILS OR BASE	MODEL NUMBER	REDUCER OR AUX D/S:		
	ROTAT FROM OPP. DR. END	D-C FIELD EXCITATION	DOUBLE SHAFT EXTEN.	BRAKE OR AUX. D/S			
REDUCER DATA	REDUCER STYLE	CLASS	FRAME	RATIO	OUTPUT RPM	ASSEMBLY	BLOWER MOTOR PH/HZ/VOLTS/HP
	BRAKE TYPE	SIZE	RATING	DUTY	P.O.	FT/LB	

DATA FOR CONTROL	D-C MOTOR ARMATURE CURRENT: _____ AMPS	A-C MOTOR INFORMATION FOR SELECTION OF STARTER HEATERS:
	FIELD CHARACTERISTICS PER CURVE: _____	CODE: _____ LOCKED AMPS: _____
	F ₁ -F ₂ , _____ MAX. AMPS _____ RPM	F.L. CURRENT: _____ AMPS.
	F ₁₁ -F ₂₂ , _____ MAX. AMPS _____ RPM	
F ₃ -F ₄ , _____ MAX. AMPS _____ RPM		

SPCL. INSTALLATION FEAT. AND MISC. DATA

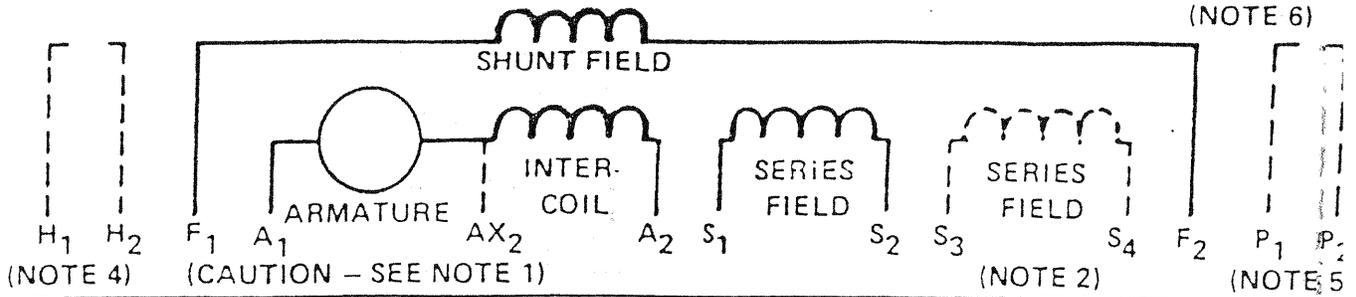
RELEASED STEARNS M/N 1-087-456-00 OR EQUAL WITH ASBESTOS FREE DISC. BRAKE MATERIAL TO BE DUCTILE CAST IRON CONFIRMING TO ASTM A536 GRADE 60-40-18 OR 65-45-12 WITH CERTIFICATION PER ASTM 536 TO BE PROVIDED & SIGNED BY BRAKE MANUFACTURER. BRAKE TO HAVE MANUAL RELEASE. SPRING KIT FOR CHANGING BRAKE TORQUE TO MIN. 42 FT. LB. TO BE SUPPLIED ON 8ET847275. D/S TO STATE *BRAKE TORQUE ADJUSTABLE TO 42 FT. LB. BY CHANGING SPRINGS. MOTOR TO BE MOUNTED TO GEAR REDUCER AT RMC. LIFTING EYEBOLT PROVIDED ON MOTOR FOR LIFTING MOTOR WITH BRAKE. MTR.

CERTIFIED DRAWINGS AND DATA:

1 D/S TO DOUG BROWN-RCS
1 C/S TO 73041
1 C/S TO INST. BOOKS=RCS
1 D/T TO D. GOLIAS-RCS

CONNECTION DIAGRAM

D-C MOTOR — STAB. SHUNT



ARMATURE AND FIELD EXTERNAL CONNECTIONS

WARNING — SEE NOTE 6 FOR GROUNDING INSTRUCTIONS



CCW ROTATION

CW ROTATION

ROTATION FACING COMMUTATOR END

1. **CAUTION** — ARMATURE AND SERIES FIELD MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.
2. OPTIONAL SERIES FIELD IS MARKED S₃ AND S₄. FOR CUMULATIVE SERIES FIELD, CONNECT S₃ TO S₂ AND CONNECT S₄ TO NEGATIVE. FOR DIFFERENTIAL SERIES FIELD CONNECT S₄ TO S₂ AND S₃ TO NEGATIVE.
3. OPTIONAL CONTROL SIGNAL LEAD IS MARKED AX₂. ALWAYS TAKE INTERPOLE DROP BETWEEN A₂ AND AX₂. NOTE: NEMA DESIGNATION FOR AX₂ IS LETTER C.
4. SPACE HEATERS, WHEN PROVIDED WILL HAVE LEADS MARKED H₁ AND H₂, H₃, H₄, ETC.
5. THERMAL PROTECTOR, WHEN PROVIDED WILL HAVE LEADS MARKED P₁ AND P₂, P₃, P₄, ETC.
6. WINDING RTD'S, WHEN PROVIDED WILL HAVE LEADS MARKED TD₁, TD₂ & TD₃.
7. **WARNING** — MOTOR MUST BE GROUNDED TO PREVENT SERIOUS INJURIES TO PERSONNEL. GROUND THE MOTOR PER THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL ELECTRICAL CODES. A 5/16-18 TAPPED HOLE IS PROVIDED ON THE FOOT, FRAME BRACE OR OPPOSITE DRIVE END BRACKET, ADJACENT TO THE TERMINAL BOX FOR MOTOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL HAVE LEAD MARKED G.

CUSTOMER _____ ORDER NO. _____ RELIANCE S.O. NO. _____

RELIANCE ELECTRIC
CLEVELAND, OHIO 44117 U.S.A.

DR. BY N.L. IVANS
CK. BY H.F. WILSON
APP. BY F.J. WINGER
DATE 5/1/69

CONNECTION DIAGRAM 406770-1

ISSUE DATE NOV. 1, 1978