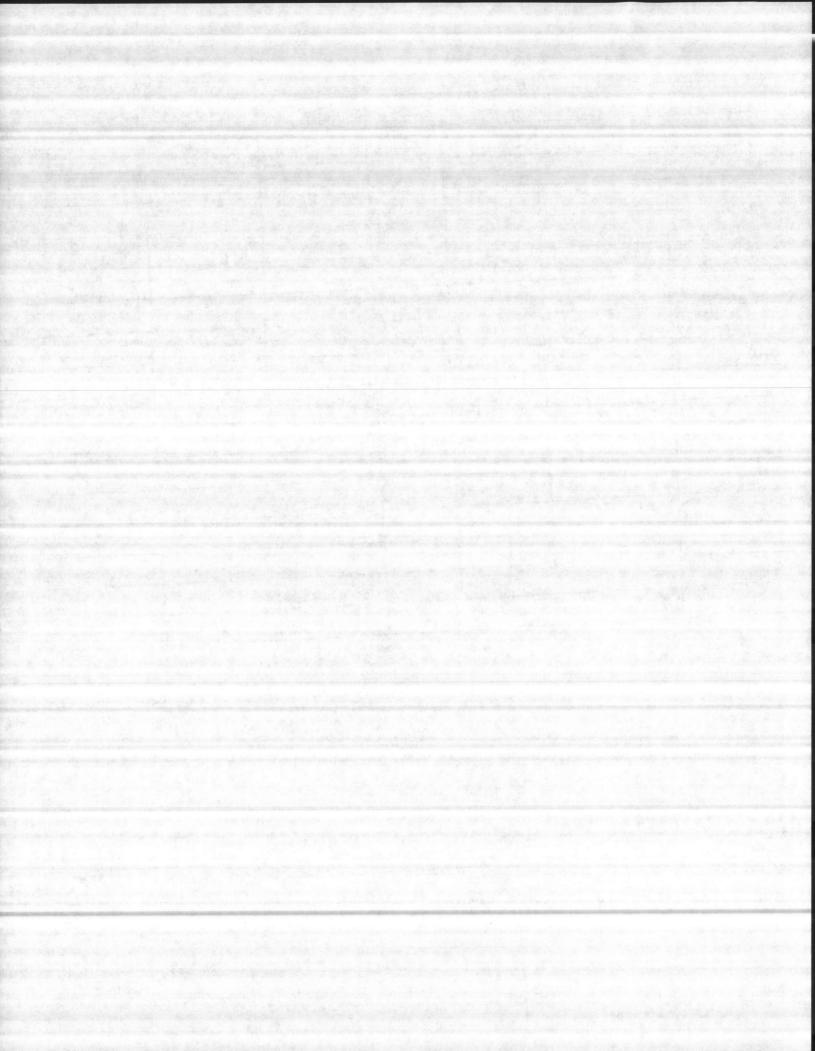
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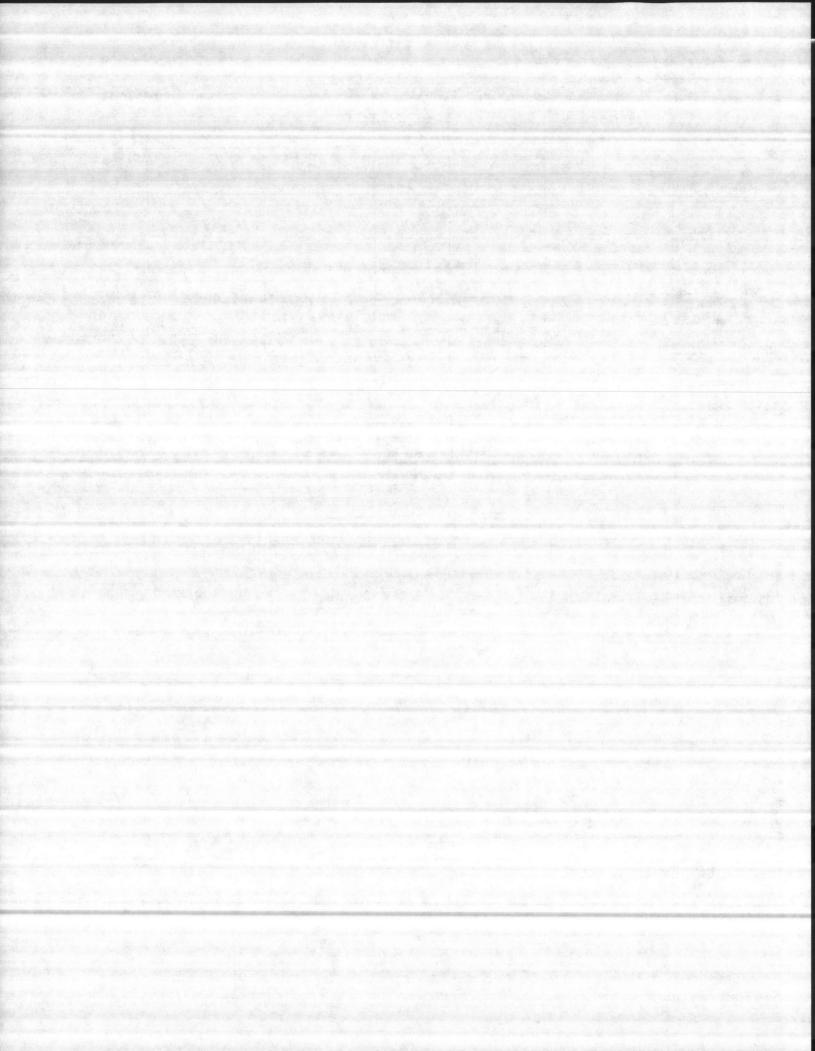
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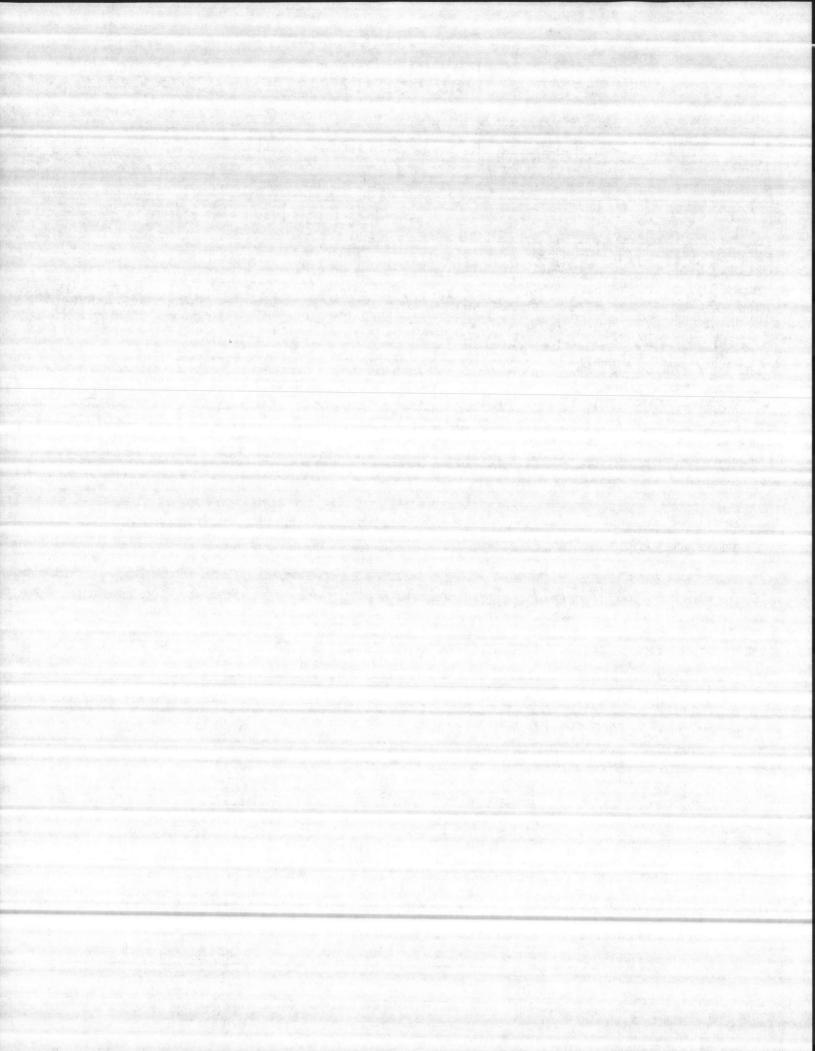
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N Carolina Department of Environment, Carolin, and Division of Environmental Health, Public Water Supp tion
GROUND WATER Date Form Completed
Dwner Assigned Well Name (If purchase, name of system) Code G=Ground or re
190 Merchand Contract R PLANT / 90 G Y=O w/direct influence 2 (S)
If Purchase, seller ID# Source Begin Date Source exempt- Direct Influence Date Availability
Swini Y N III P E-Emergency I=Interim N S-Sepsonal O=Other
Location of well within the system (If purchase, location of master meter) $P_{1}^{\circ} S T O C R A N G E R O A A$
Latitude (N) Longitude (W) How Determined GPS Data No. of Sats. Locked on G=GPS Officer
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
(If purchase, use seller's primary source lat/long)
Vulnerable (VOCs)
ENTRY POINT INFORMATION Use Code Availability Owner Assigned C C=Ground/Permanent P=Year-round S=Seasonal D=Ground/non-permanent I=Interim O=Other
Owner Assigned D=Ground/non-permanent L E=Emergency I=Interim O=Other Entry Point Code Entry Point Name
400 ASTROMEAS MEM RIVER WTP
Location:
Well Site: Owned or controlled? _/_(Y,N) Control Area (100' radius)? _/_(Y,N) If no, explain:
Sources of pollution/distance:
Surface water within 200? NN If yes, actual distance feet If yes, bact. samples collected? (Y,N)
Adequate slope? _ (Y,N) Flooding? / (Y,N) Maintenance: _ OK
Well House: Free of stored materials? 4 (Y,N) Properly drained? (Y,N) Locked? (Y,N)
Condition of house:OK Type of freeze protection:NONC
Will Diamon SCREENED Yield (gom): 250 Properly sealed? (Y.
Properly vented? $\underline{N}(Y,N)$ Casing depth $\underline{U}_{N}K$ ft. (If unknown, Well depth: \underline{I} Meter available? $\underbrace{\mathcal{N}}(Y,N)$
Concrete slab adequate? _ (Y,N) If no, explain: _ Well Nor in centor Size: 12×17
Size of blow-off: (Y, N) After treatment? (Y, N) Aft
Pumps: Capacity: GPM: 190 HP: 10 'Pump intake depth: 60 Auxiliary Power? Y (Y. Type pump: Vertical Type 50 E Height above floor (pump/casing):
Storage at wen site.
If hydroautomatic, air volume control? (Y,N) Safety valves? (Y,N) Coded? (Y,N) High service pumps: 1gpmhp 2gpmhp 3gpmhp Auxiliary Power? (Y,
Is the water treated at this well? N Y If ves. complete back of form.
If other wells are treated here which ones? If treated elsewhere, where? MCAS/WARE PLANT
If purchase, retreat? Y If yes, complete back of form. Wleaking pkg & No Vent
DEHNR 3803 (Revised 12/93) Public Water Supply Section (Review 12/96)



ELL NUMBER	AS 190	BY STEUR		Brown	DATE 1/-	1-94
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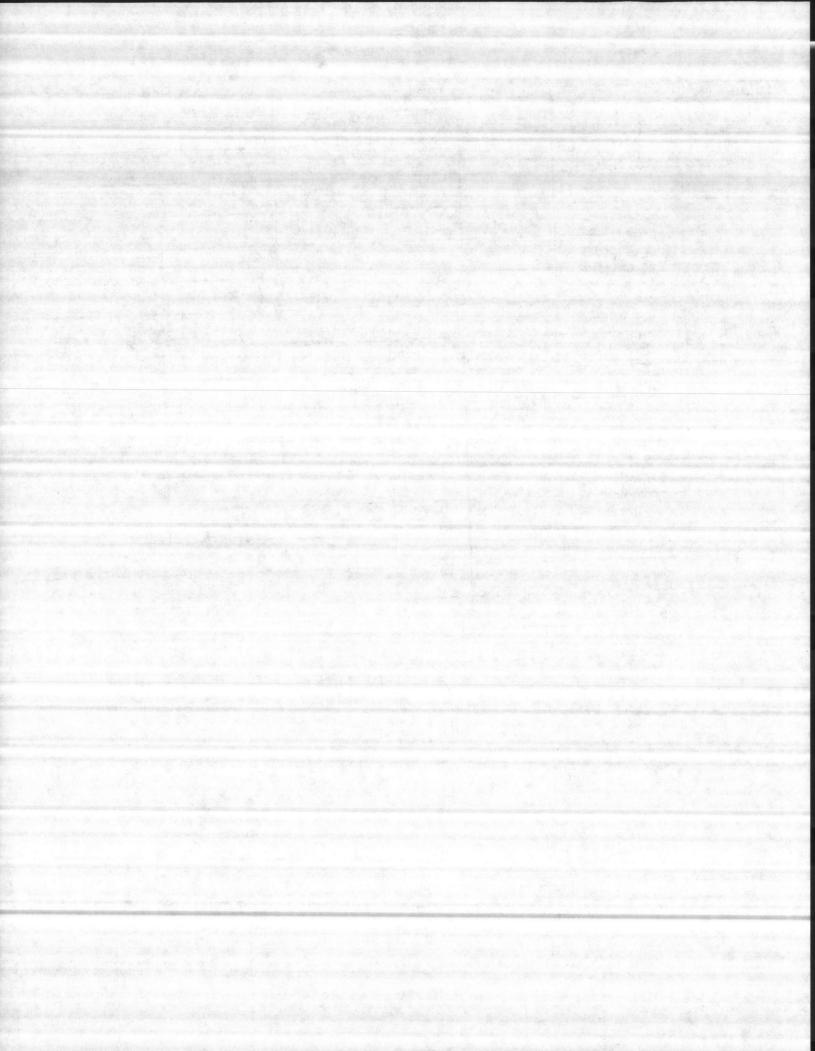
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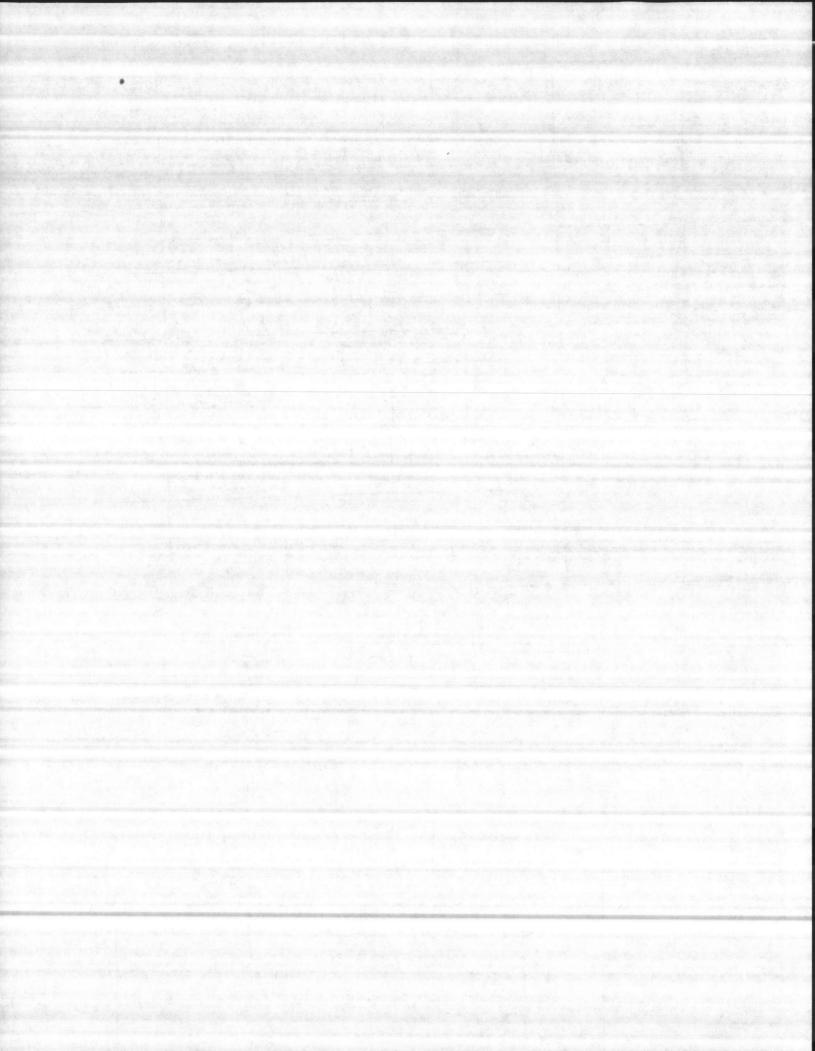
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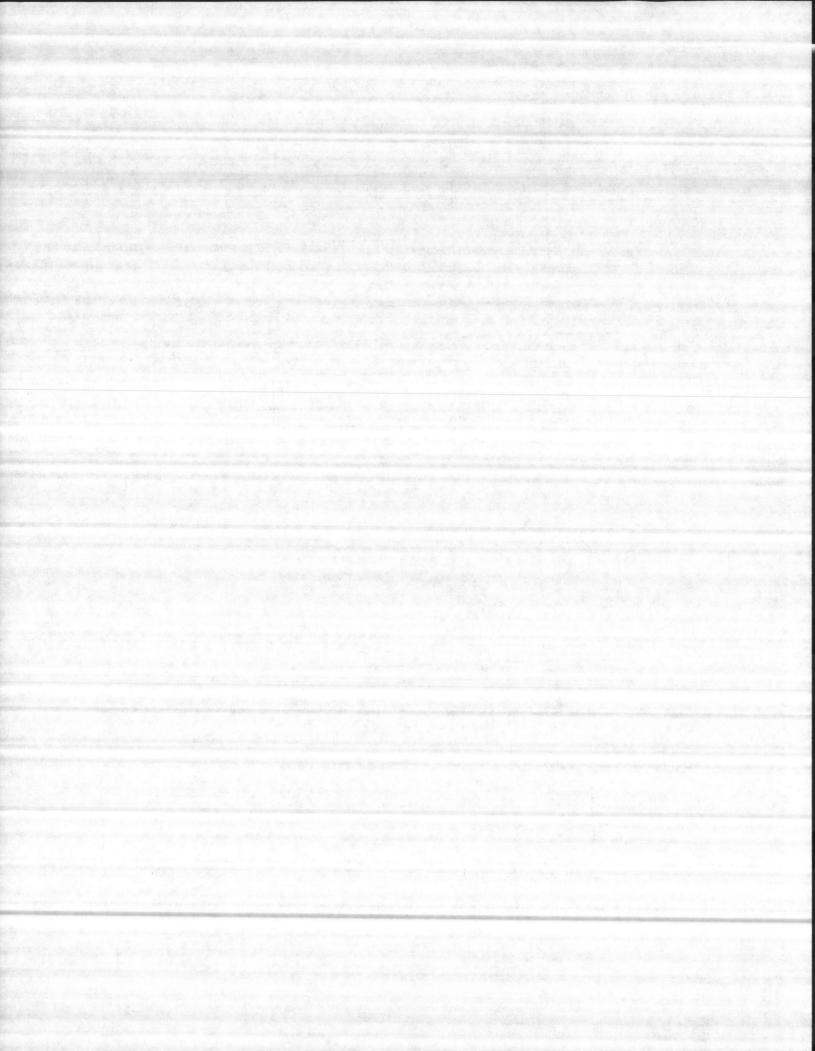
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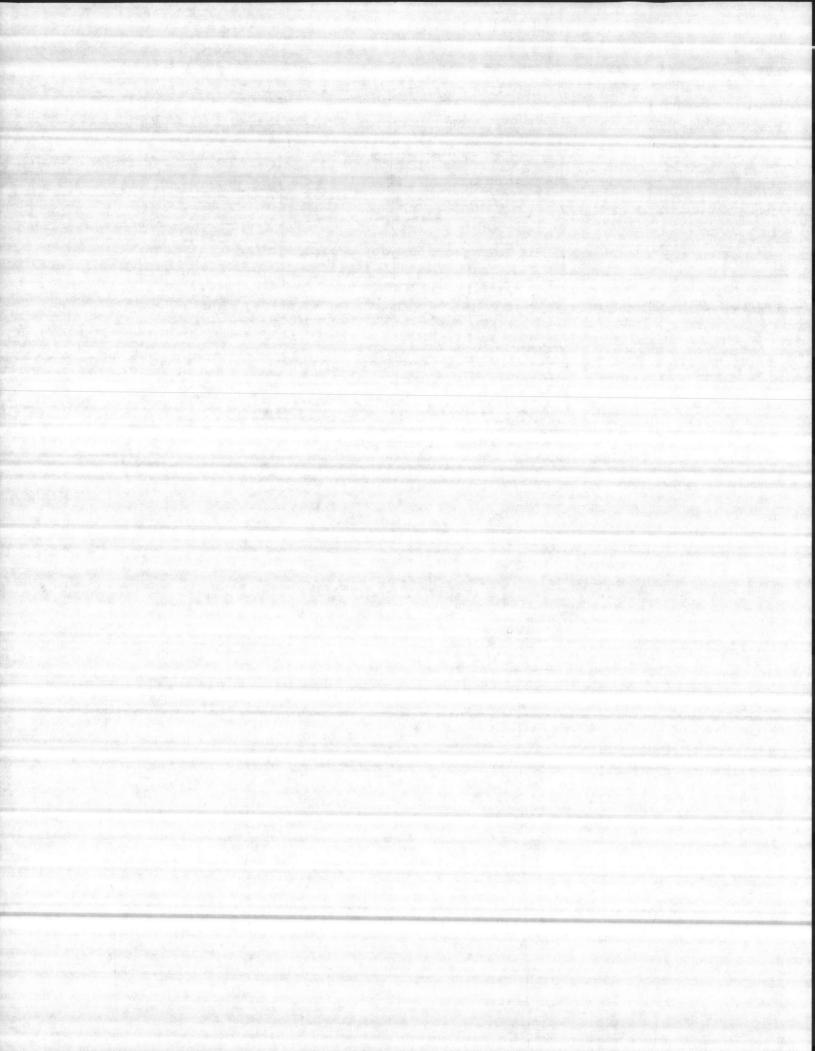
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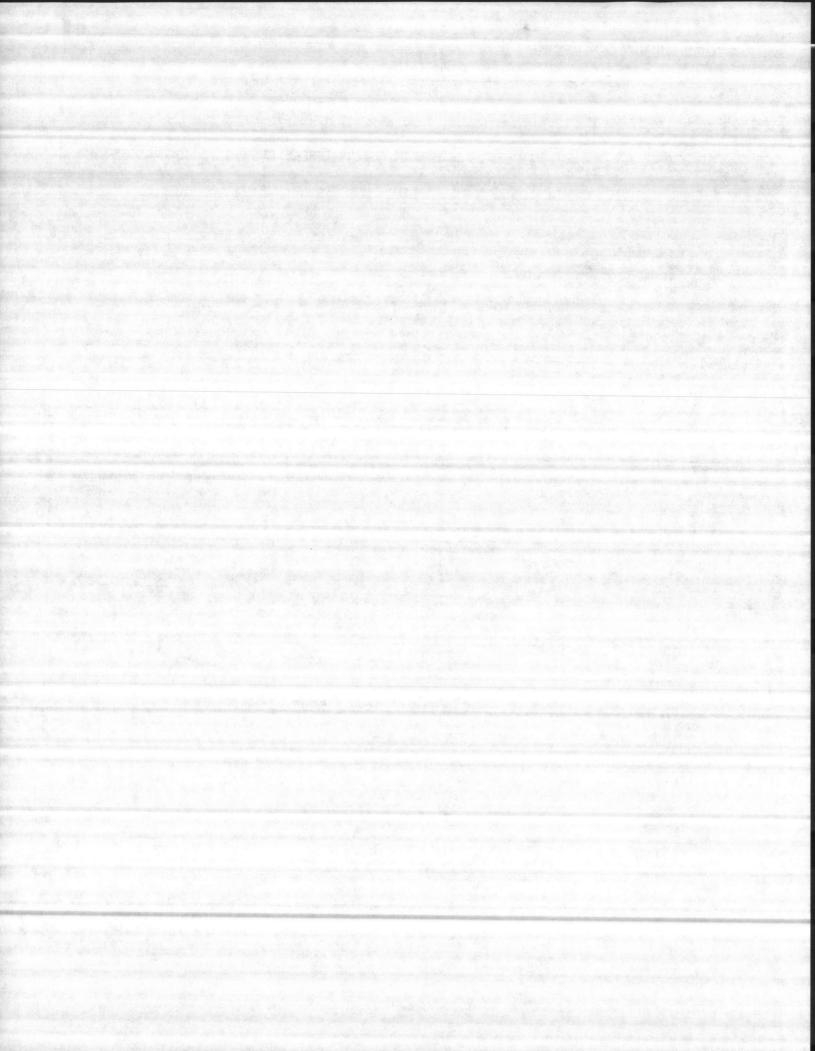
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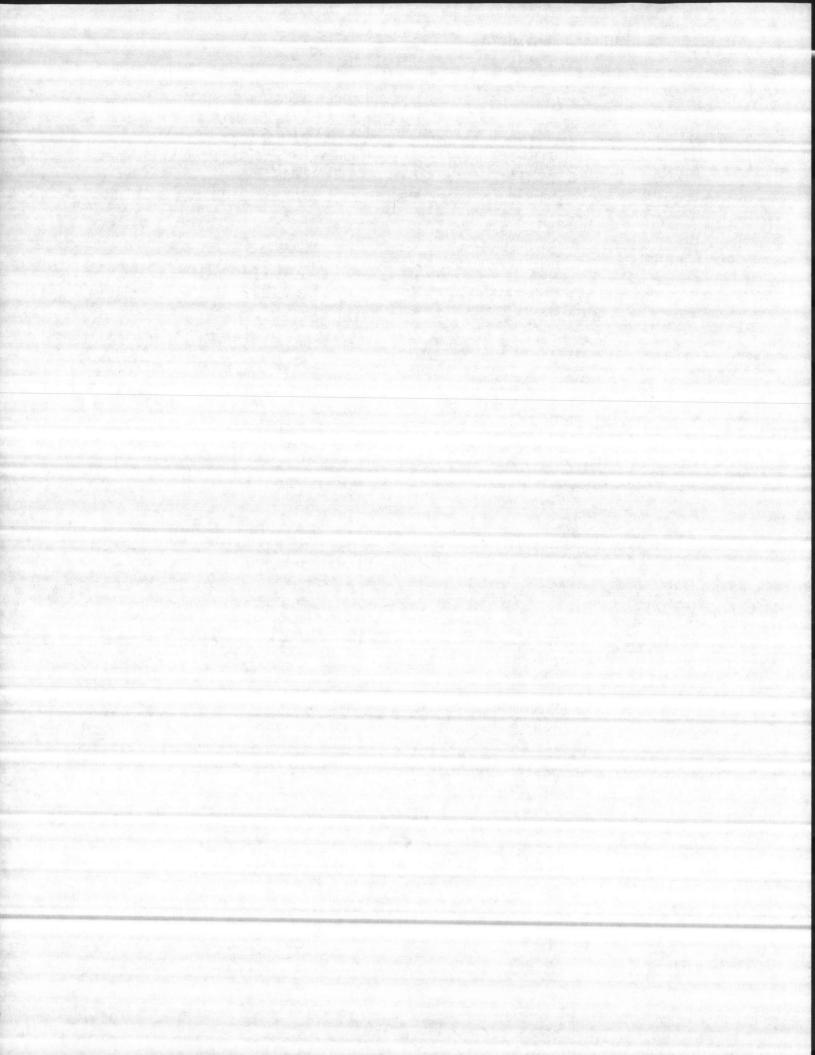


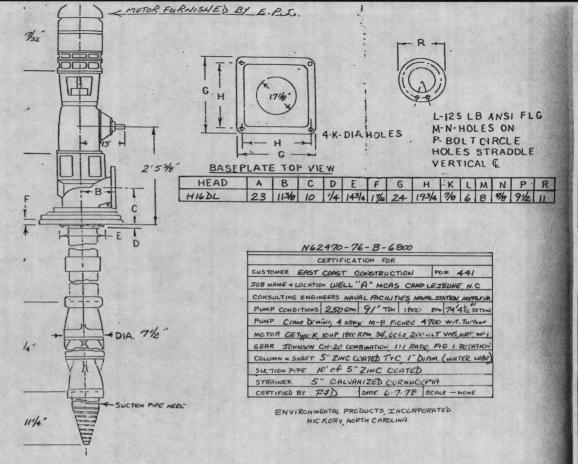
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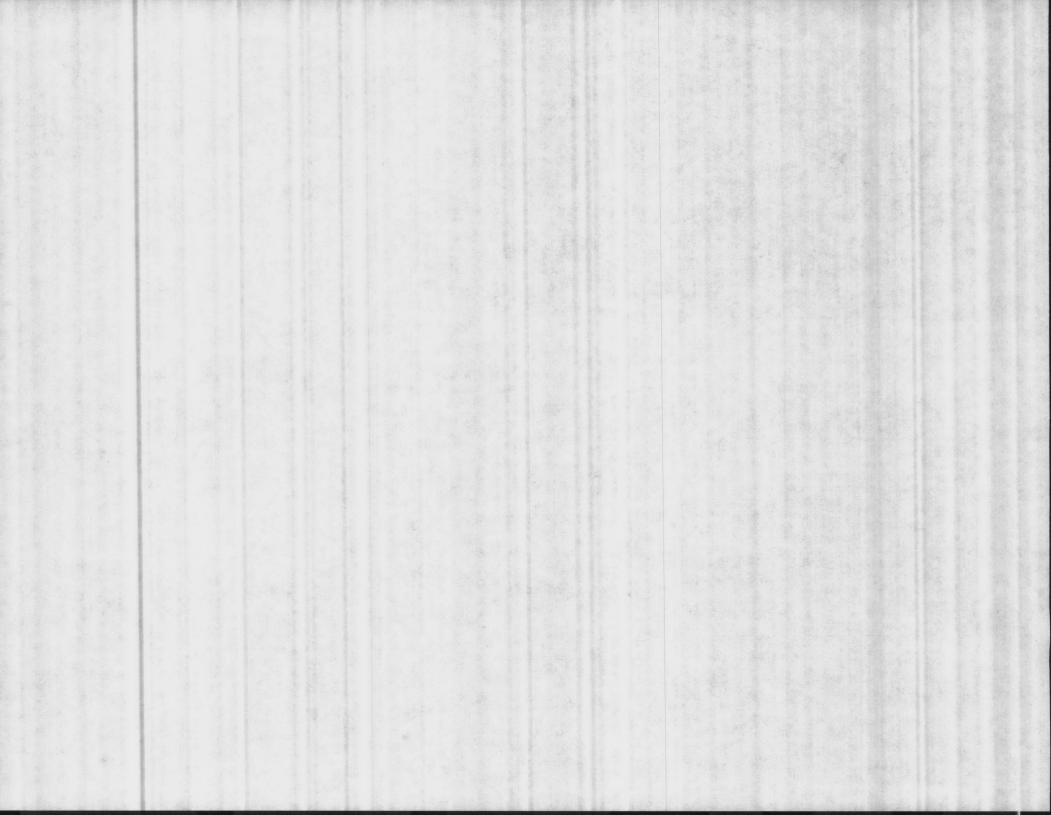


	SUBMITTAL TRANSMITTAL	CONTRACT NO.	TRANSM	ITTAL NO.	DATE
H. S. V.	Mó	2470-76-C-6800		13A	6/12/78
ROM CONTRACTOR	struction Company, Inc.	PROJECT TITLE AND LOCATION EAST COAST CONSTR			
	AVFAC	CONTRACT N624 REPLACE WAT			
	CONTRACTOR USE ONLY	MARINE COR	PS BAS	E REVI	EWER USE ONLY
Contractor Approved	*List only one specification division per ist only one of the following categories on each t and indicate which is being submitte OICC Approval	ransmittal form.	stitution	A-Appr D-Disa AN-App	pproved proved as noted eipt acknowledged. ments
PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICA (Type, size, model no., Mfg. brochure numbe	name, dwg. or	NO. OF COPIES	ACTION CODES	REVIEWER'S INITIALS CODE AND DATE
15221	Pump Data & Auxiliary				
	Diesel Engine - Well "A"		7	24	404
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Submittals are forwarded to LANTE transmittal form.		dicated in REVIEWER USE ONLY Section and in comments below on ONE COPY of th
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EAST CONSTRUCTION COMPANY, INC.

GENERAL CONTRACTORS

P. O. BOX 5004 - JACKSONVILLE, NORTH CAROLINA 28540 353-4479 or 353-6044

Jamary 6, 1978

Commander, Atlantic Division Nevel Facilities Engineering Command Norfelk, Virginia 28542 (Code 05)

Re: Contract N52470-76-C-6800 Replace water wells Marine Corps Base Camp Lejuene, N.C.

Gentlemen:

We are emclosing four (4) copies of the following information on well "B" located bt the MCAS (H), New River

> Driller's log Ricetpis log Water analysis for 3 levels

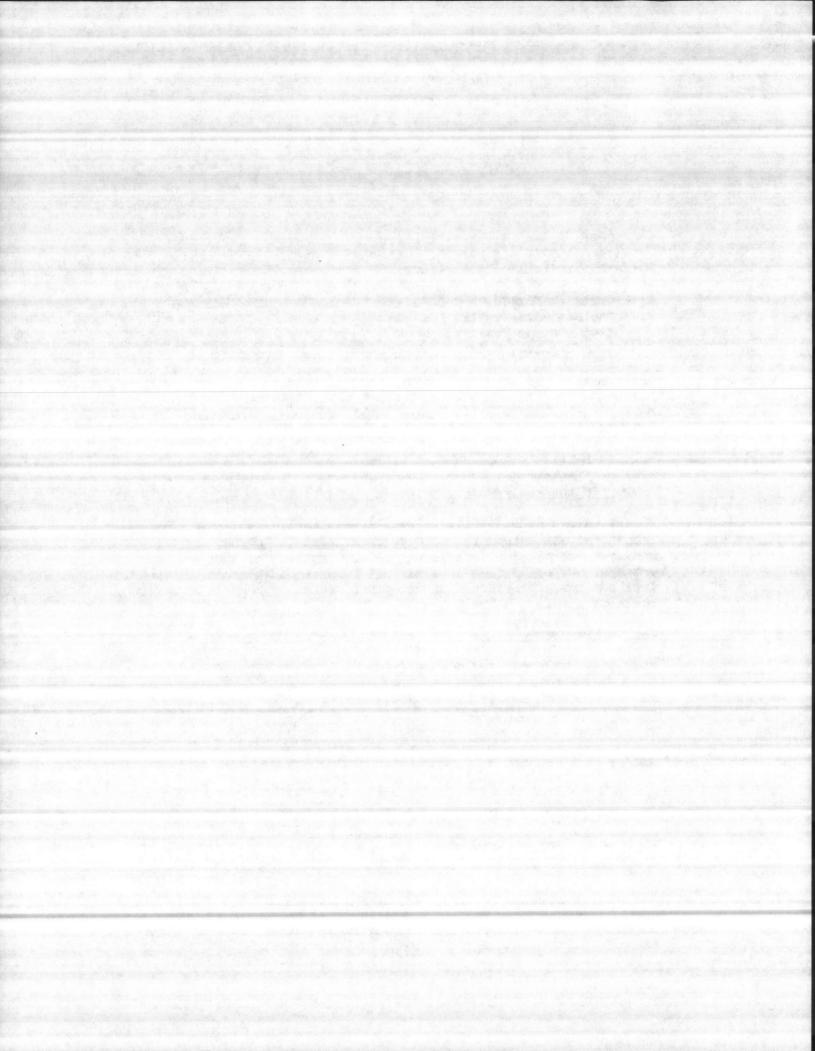
We estimate this well will produce approximately 190 to 250 gpm by taking the water from the 130-140 foot level (40-60gpm) and from the 150-180 foot level (150-200 gpm). The strate of water at the 63-68 foot level is not recommended because of the high irom content. Flease advise us of you decision promptly so we may begin developing the well.

Very truly yours,

EAST COAST CONSTRUCTION COMPANY, INC.

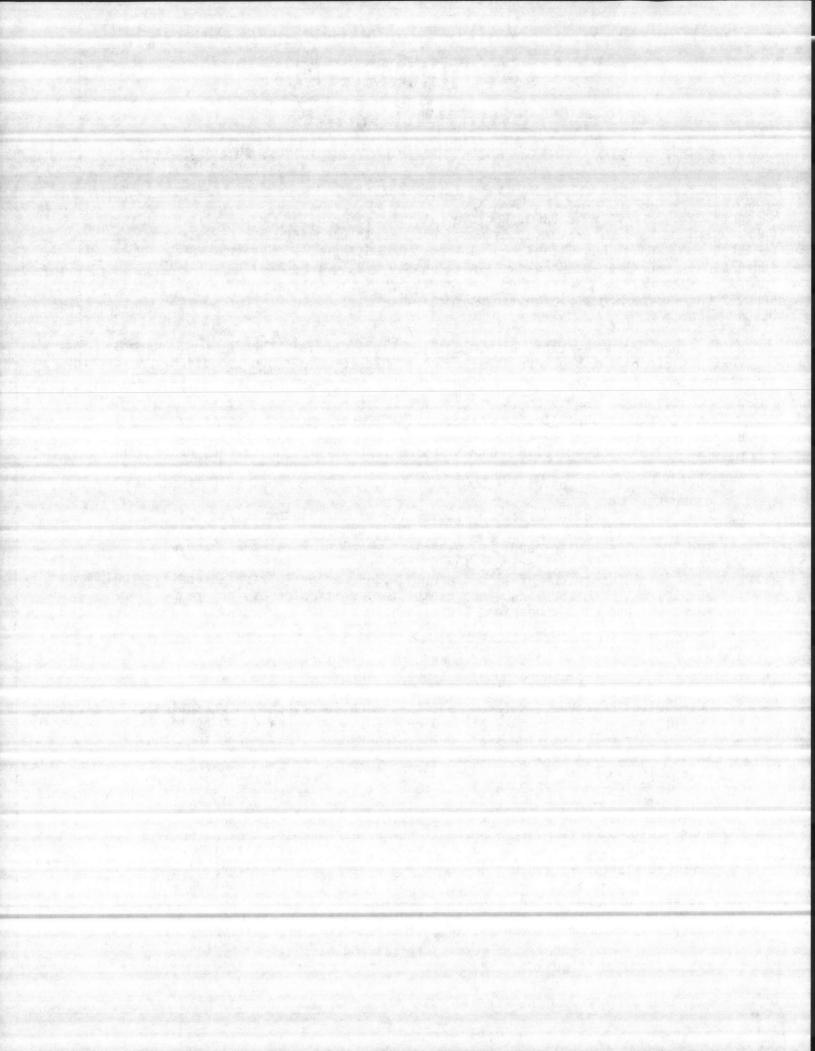
ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMM/. D W.H. Myers NORFOLK, VIRGINIA 23511 WEBK/mm APPROVED APPROVED AS NOTED es ROICC D S. PPROVED Camp Lejuene, N.C. SUBJECT TO THE REQUIREMENTS OF. Enclosure 1 cy well "B" data CONTRACT NO. APPROVAL OF A SUEMITTAL DOES NOT LU APPROVAL OF ANY DEVIATION FROM T TRACT REQUIREMENTS UNLESS THE CON CALLS ATTENTION TO AND SUPPORTS TI TION ... THE CONTRACTOR SHALL BE F. ent. IBLE FOR PROVIDING PROPER PHYSICA! SIONS & WEIGHTS, COORDINATION OF ... ETC., AS REQUIRED, DATE REV'EWER. A-E FIRM

FOR OFFICER IN CHARGE OF CONSTRUCTION



WATER AND WAST	WATER EQUIPMENT, SAI SCAND SERVICE
	ENVIRONMENTALOLK, V.RGINIA 23511
	PRODUCTS ROVENCOTED
P. O. BOX 2385	• HICKORY, NUB GT 2860 1 RE U 704 322 7003
	SUBMITTAL DATA VAL OF A SUBMITTAL DATA VAL OF A SUBMITTAL
<pre>A LOCATION: Marine Corp Bas ENGINEER: Naval Facilitie CONTRACTOR: East Coast Cons SUBJECT: Well "A" CONDITIONS: 250 GPM @ 91'TD DESCRIPTION:</pre>	ETC., AS I. (12D. 19 JUN 1978
One (1) Crane Deming 4-stage water lubrication, with bron 5" column and 1" shafting, w	, size M-8, Fig. 4706, Vertical Curbine bowl assembly, for ze impellers designed for the above conditions, fitted for ith 5" threaded suction, and including the following:
 and 1" water lubricate B. One (1) foundation pla C. Two (2) 5' sections of column pipe, threaded installed at the top o discharge head. D. Five (5) 10' sections, E. One (1) 5' section of (bottom drive), with contrational sections) F. Five (5) 10' sections of assemblies, with coupl retainers and rubber be F. Five (5) 10' sections of assemblies, with coupl retainers and rubber bo G. One (1) 1" diameter, Column, head, gear and H. One (1) 10' section of I. One (1) 5" galvanized of J. One (1) Johnson model of gear, with non-reverse K. One (1) General Electr 200 volt, vertical hold thrust, with 1.15 serv 	<pre>" type "C" surface discharge head, fitted for 5" column d shafting, for a 6" above ground discharge. te (baseplate) for the above discharge head. 5" AWWA standard .258 wall, schedule 40, water well and coupled with couplings, zinc coated. One to be f the bowl assembly, one to connect to bottom of same as above, for use as "intermediate column". 1" diameter, C-1045, water lubricated shafting oupling, stainless steel shaft sleeve, bronze aring (for 5" column). of 1" diameter, C-1045, water lubricated shaft ings, stainless steel shaft sleeves, bronze earings (intermediate shaft). -1045 topshaft, with sleeve, suitable for 5' top motor used. 5" zinc coated pipe (suction pipe). cornucopia type strainer. CH-20, combination, right angle, hollow shaft ratchet, one to one ratio, figure one rotation. ic type K, 10 HP, 1800 RPM, 3 phase, 60 cycle, low shaft motor, NEMA design "B", rated for high ice factor, class "B" insulated, 40^o C. ambient, a NEMA weather protected type one enclosure.</pre>
 L. One (1) Ford model 172- unit, with four blade wiring harness, instrum light, oil pressure gau temperature gauge, top starter, starter relay standard flywheel hous battery, rack and batter M. One (1) La Marche A18J- N. One (1) section of Parn 24" long (your choice) 	-DF-6002-GR, four cylinder, 172 CID diesel power fan, governor, air cleaner assembly,fuel tank, ment panel, ignition switch, starter button, amp. uge, choke and throttle controls, stop controls, mounted exhaust system hood, 12 volt electric , battery charging alternator, radiator, SAE ing, power take-off assembly, foot mounted, with ery cables. -12V-A1, 1/60/120 automatic battery charger. rish #31 drive shafting either 8 3/4" long or with gear shaft and engine shaft connecting
flanges and shaft guard	d.

A Subsidiary of Drillers Service, Inc.



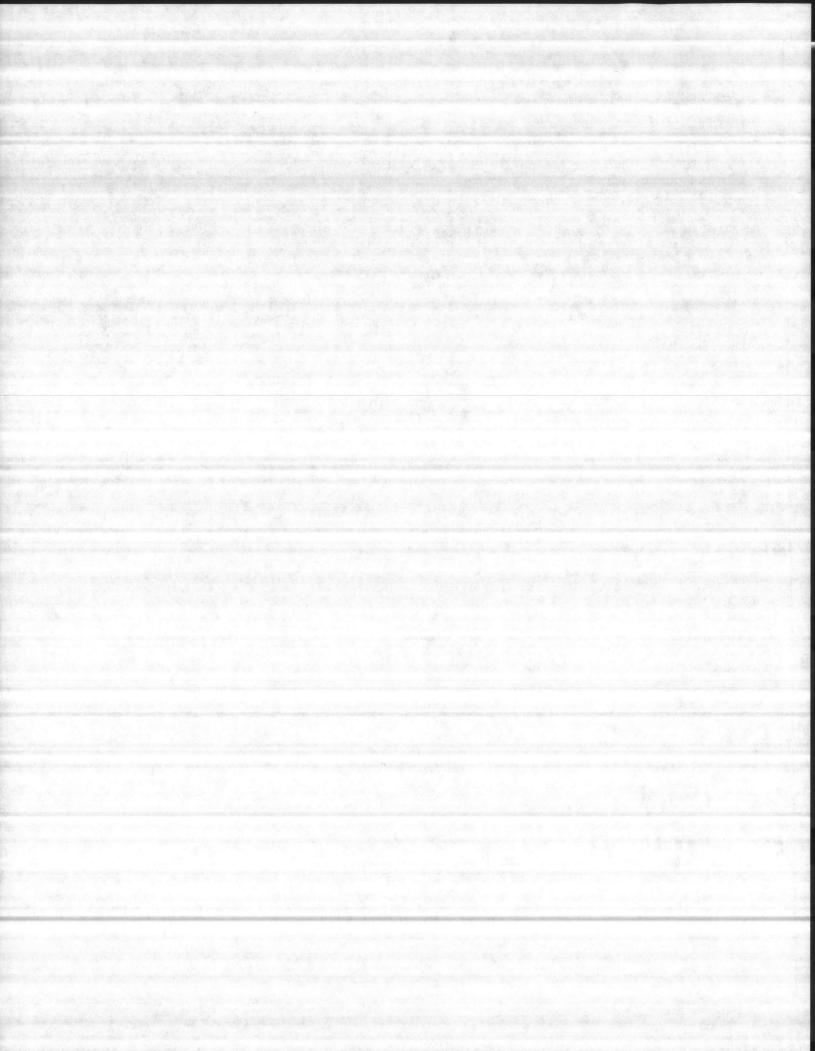
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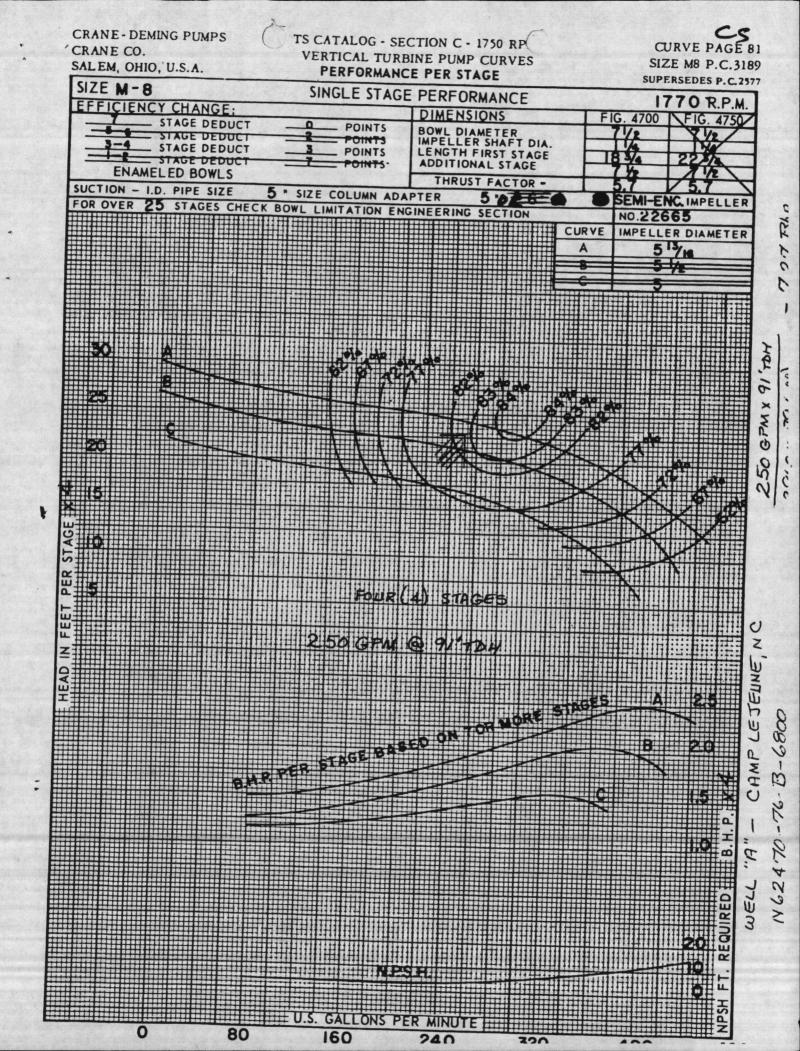
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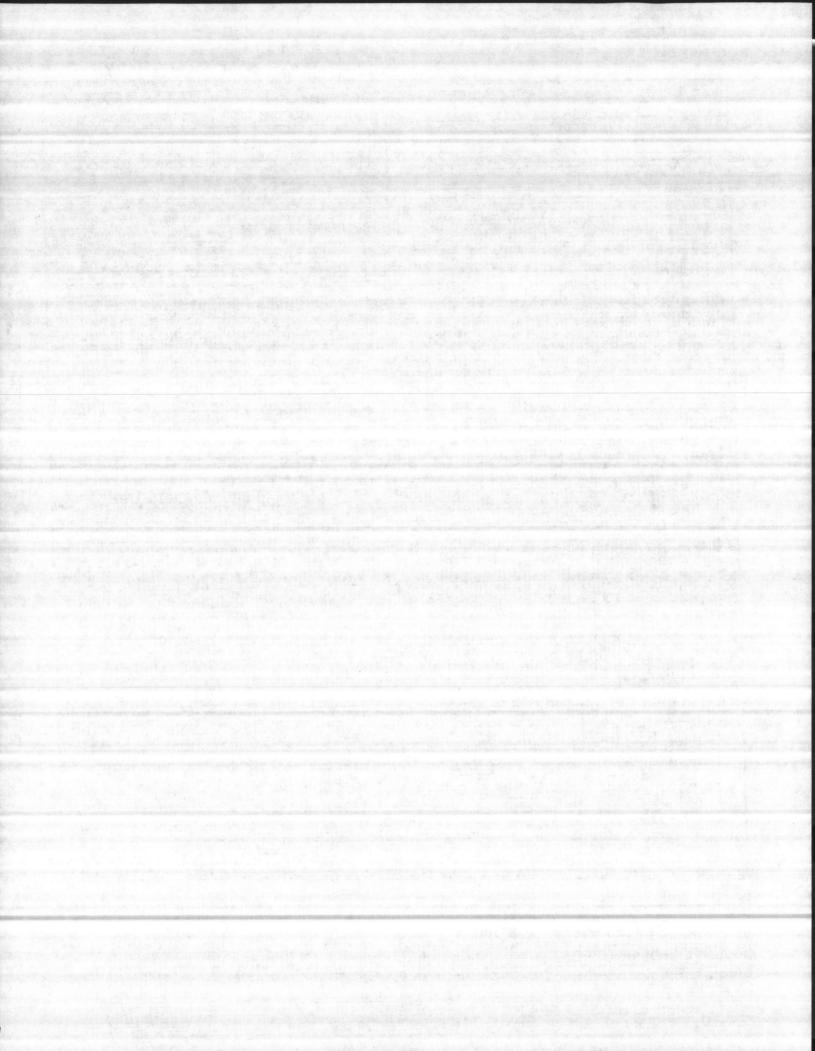
Note 1. TDH is based on 42'3" pumping level 20 PSI @ ground level, and column and shaft friction loss of 2.30' (42.25 + 46.20 + 2.30 = 90.75) - used 91

Note 2. Please confirm overall setting.

JUNE 8, 1978







GENERAL 🏽 ELECTRIC

Refer to G E Reg'n No. In Correspondence

MEMO OF DATA TRANSMITTAL

SMALL AC MOTOR & GENERATOR DEPARTMENT NASHVILLE MOTOR PLANT **HENDERSONVILLE, TENNESSEE 37075** 250 E. MAIN

CUSTOMEDrillers Service Inc. P.O. Box 1407 100

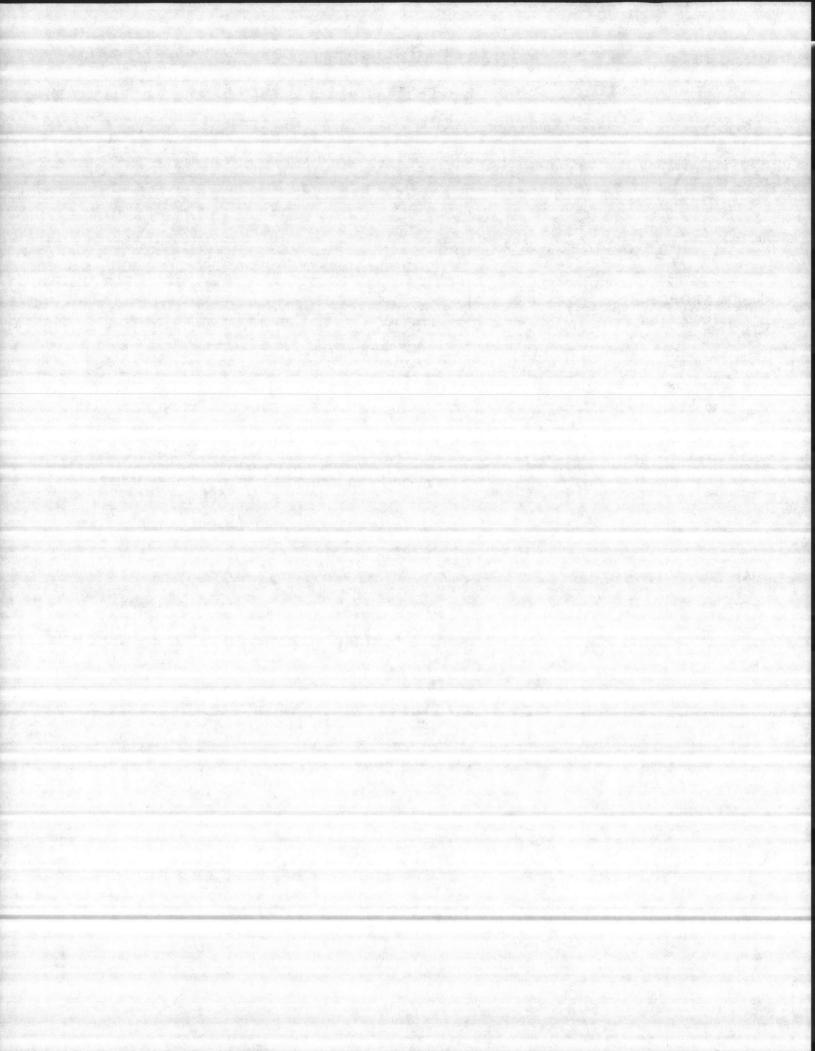
Hickory, N.C. 28601

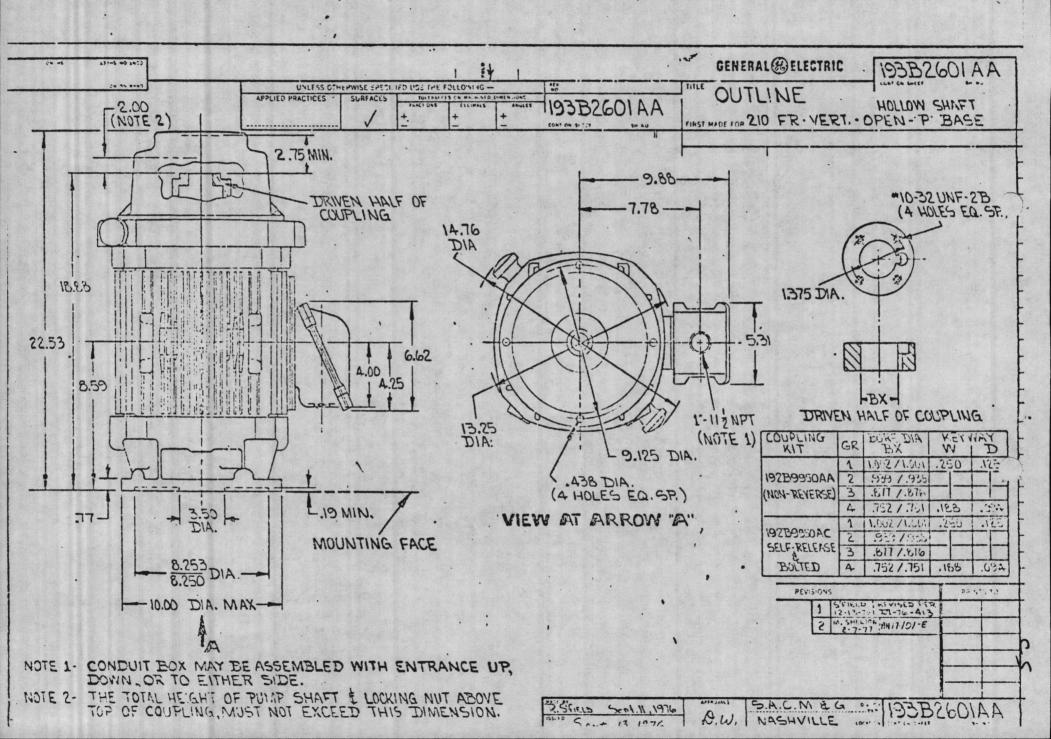
CUST	OMER ORDER NUMBER	G. E.	REQUISITION	NUMBER
	4602-EPI		340-23284	
FORWARDED:	DATE 11/16/77	VIA First Class Mail	COMPLETE	BALANCE TO FOLLOW
PRINTS ARE:	APPROVED FOR CONSTRUCTION	FOR REFERENCE		

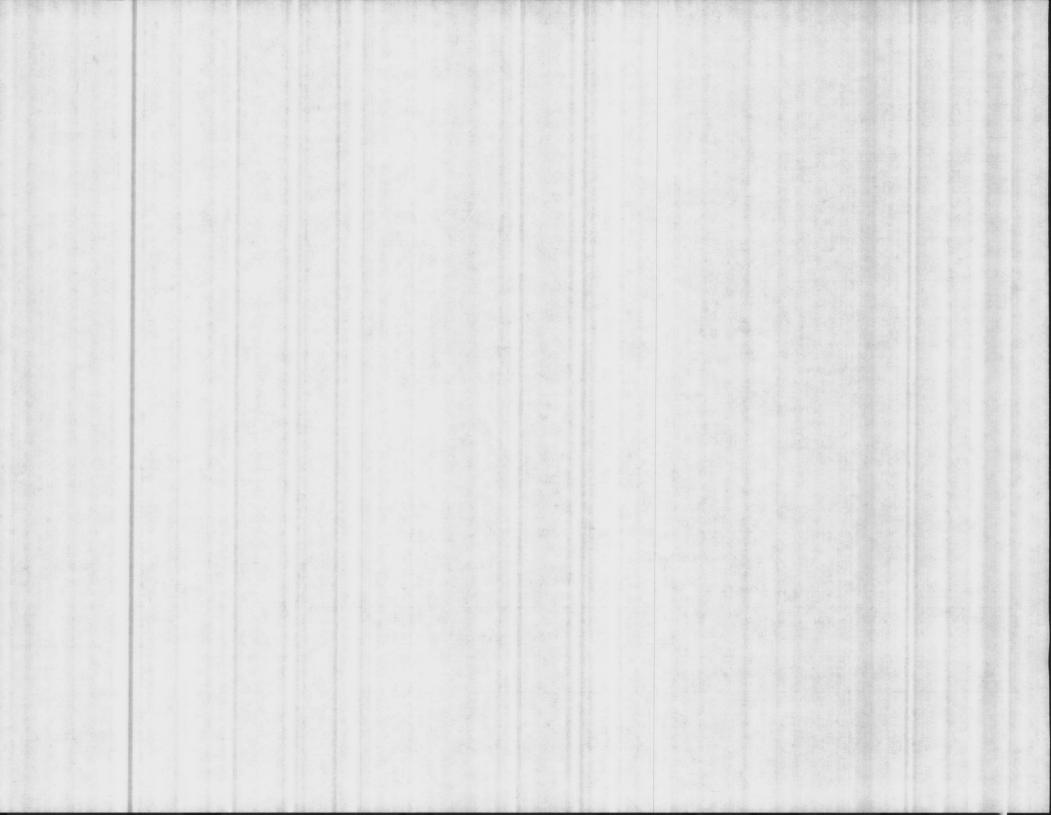
193B2601AA - Outline

Item 1 - New Model

to be rated: K-L215TP10, 10 hp, 1800 RPM, 200 V, 3 ph, 60 hz, S.F. 1.15, CONT, B ins, 40oC amb, DRIPPROOF, VERTICAL HOLLOW SHAFT, HIGH THRUST



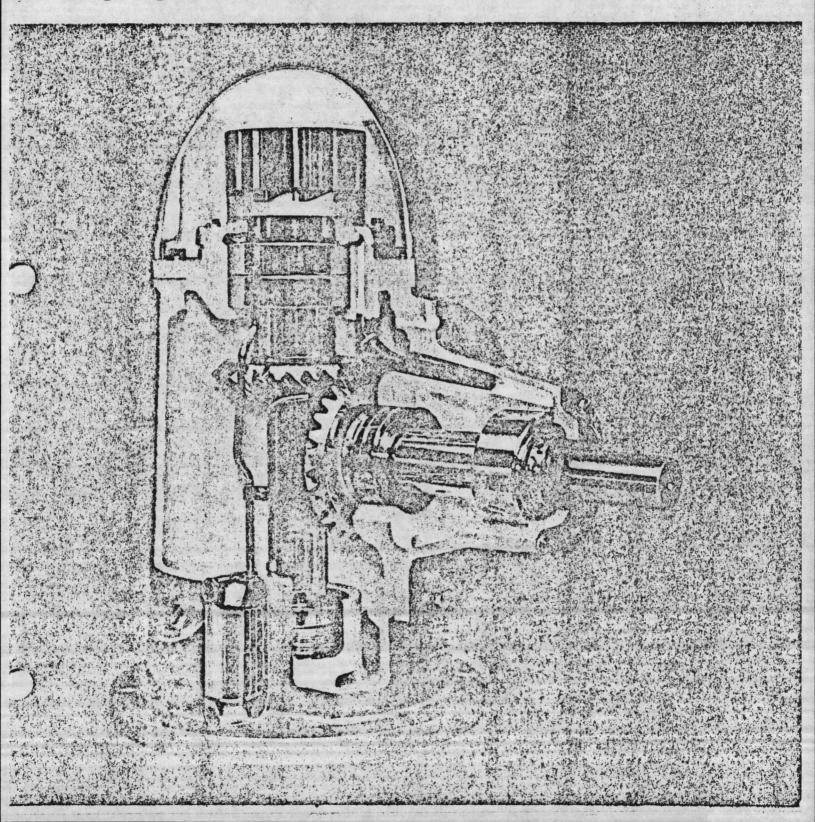


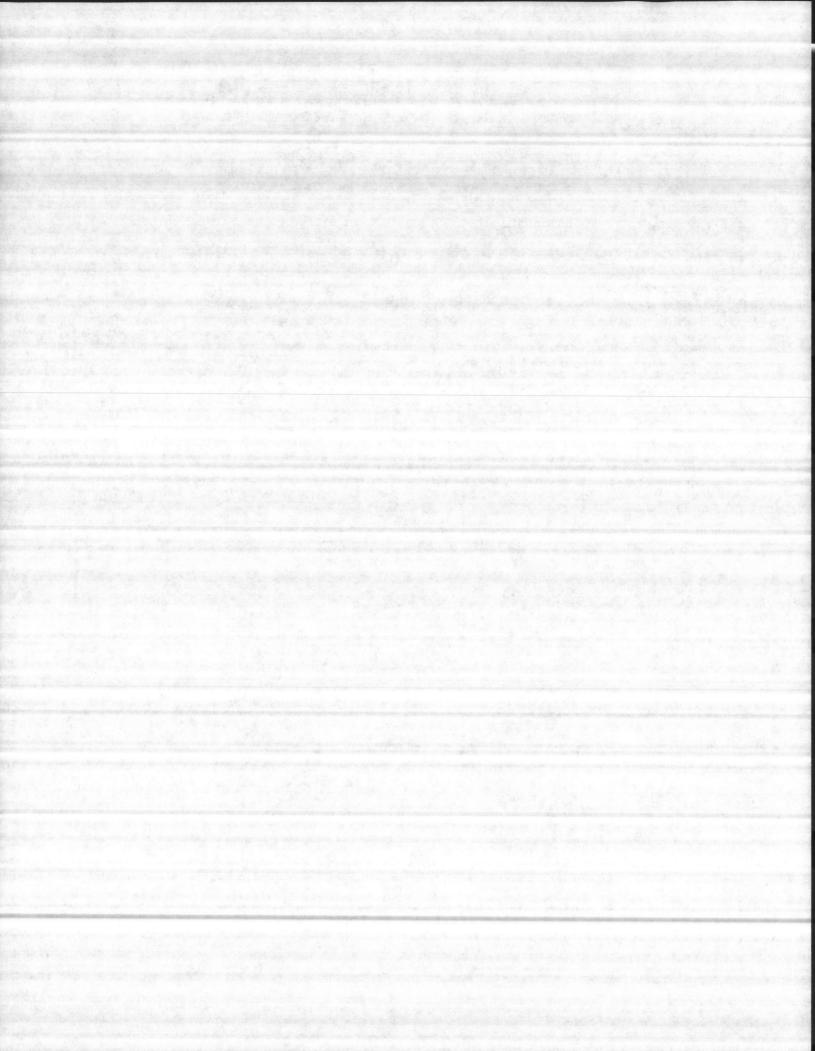




CS

Right angle drives for irrigation, industrial, and municipal pumping service





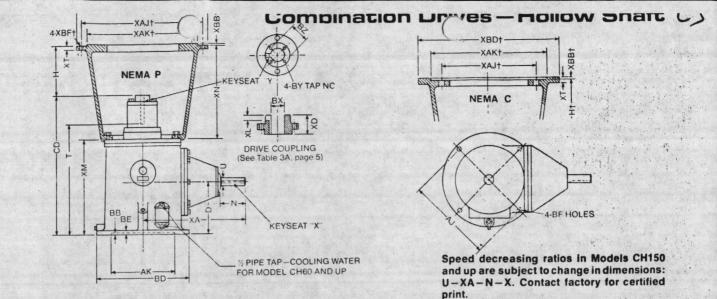


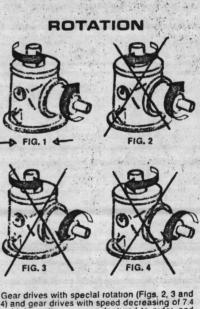
Table 4. COMBINATION DRIVE DIMENSIONS (Hollow Shaft) in inches

Model	CD	D	U	XA	N	XM	Н	BE	BD	AJ	AK	BB	BF	Keyseat X
CH20	16	63/8	11/8	13	23/4	111/4	73/4	5/8	10	91/8	81/4	3/16	7/16	1/4 x 1/8 x 21/4
GH40 (12)	221/4	-9	11/2	10	31/2	151/4	9	3/4	12	91/8	81/4	3/16	7/16	- 36 × 718 × 234
CH40	221/4	9 、	11/2	16	31/2	151/4	9	3/4	161/2	143⁄4	131/2	3/16	11/16	3/8 × 3/16 × 23/4
CH60	221/4	9	11/2	16	31/2	151⁄4	9	3/4	161/2	143/4	131/2	3/16	11/16	3/8 × 3/16 × 23/4
CH80	221/4	9	1 7/8	161/2	31/2	151/4	9	3/4	161/2	143⁄4	131/2	3⁄16	11/16	1/2 × 1/4 × 23/4
CH110	263/4	113/8	2	171/2	31/2	195/8	97/8	1	161/2	143⁄4	131/2	3/16	11/16	1/2 × 1/4 × 23/4
CH125	263/4	113/8	2	171/2	31/2	195/8	97/8	1	161/2	143⁄4	131/2	3/16	11/16	1/2 x 1/4 x 23/4
CH150	313/4	131/4	27/16	201/2	43/4	231/s	103⁄8	1	20	143⁄4	131⁄2	3/16	11/16	5/8 × 5/16 × 33/4
CH200	313/4	131/4	27/16	201/2	43/4	231/8	103/8	1	20	143⁄4	131/2	3/16	11/16	5/8 × 5/16 × 33/4
CH280	36	15	23/4	24.	51/2	263/8	123/8	11/8	20	143⁄4	131/2	3/16	11/16	5/8 x 5/16 x 43/4
CH350	401/2	161/2	23/4	29	51/2	297/8	123/8	11/4	241/2	22*	131/2	3/8	15/16	5/8 × 5/16 × 43/4
CH425	413/4	161/2	3	30	53/4	297/8	121/8	11/4	241/2	22*	131/2	3⁄8	15/16	3/4 x 3/8 x 43/4
CH500	413⁄4	161/2	31/2	31	63/4	29%	121/8	11/4	241/2	22*	131/2	3⁄8	1 5/16	7/8 x 7/16 x 51/2
CH600	453/8	161/2	33/4	33	71/2	31 7/8	101/2	11/4	241/2	22*	131/2	3/8	1 5/16	7/8 × 7/16 × 51/2
CH750	49	19	4	36	71/2	37	12	11/2	301/2	26	22	3/8	15/16	1 x 1/2 x 63/4

Table 4A. MAX. DRIVE COUPLING BORE SIZE AVAILABLE MOTOR STAND

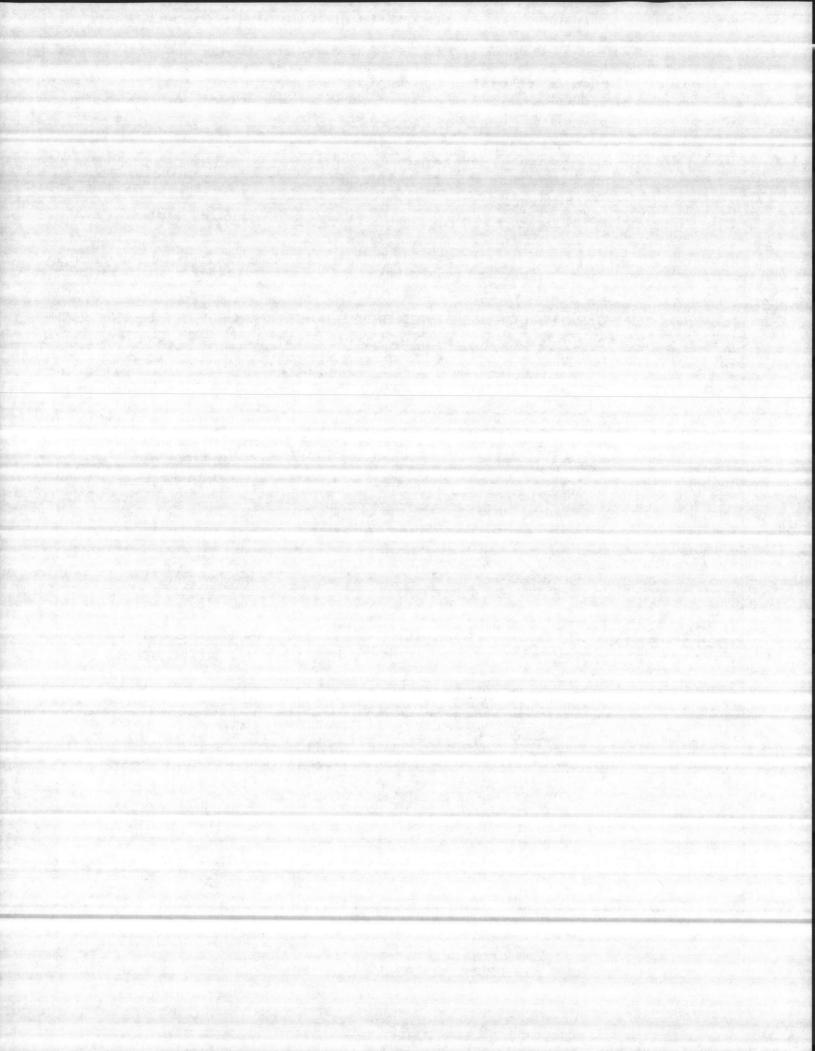
all and			. BX			XN		Top †		
Model	XD	Fig. 1 & 4	- Fig. -2&3	т		vailab tor Sta		хт	Top † Flange	
CH20	13/4	1	- 3/4	131/4	81/2 -	10	121/2	- 7/16	XBD: 10"	
CH40	23/0	11/2	11/4	183/4	121/2				XA:5 - 9 1/8	
CH60	23/8	11/2	11⁄4	183⁄4	121/2	16		5/8		
CH80	23/8	11/2	11⁄4	183⁄4	121/2	16		5/8	XAK = 81/4	
CH110	23/8	11/2	11/2	23	121/2	17	i i	5/8	Dimensions	
CH125	23/8	11/2	11/2	23	121/2	17	SUIT	5⁄8	XBD, XAJ,	
CH150	23/8	115/16	13⁄4	271/2	15	19	TO S	3⁄4	XAK, XBB,	
CH200	23/8	115/16	13/4	271/2	15	19		3/4	and XBF	
CH280	25/8	2	2	311/2	15	22	MACHINED	3/4	to suit	
CH350	31/8	23/16	23/16	351/2	15	24	E	1	electric	
CH425	33/8	27/16	27/16	353/4	15	24	AAC	1	motor	
CH500	33/8	27/16	27/16	353/4	15	24	· <	1 .		
CH600	4	211/16	211/16	381/4	19	24	and the second	1		
CH750	4	33/16	33/16	413/4	**	24	-	11/4		

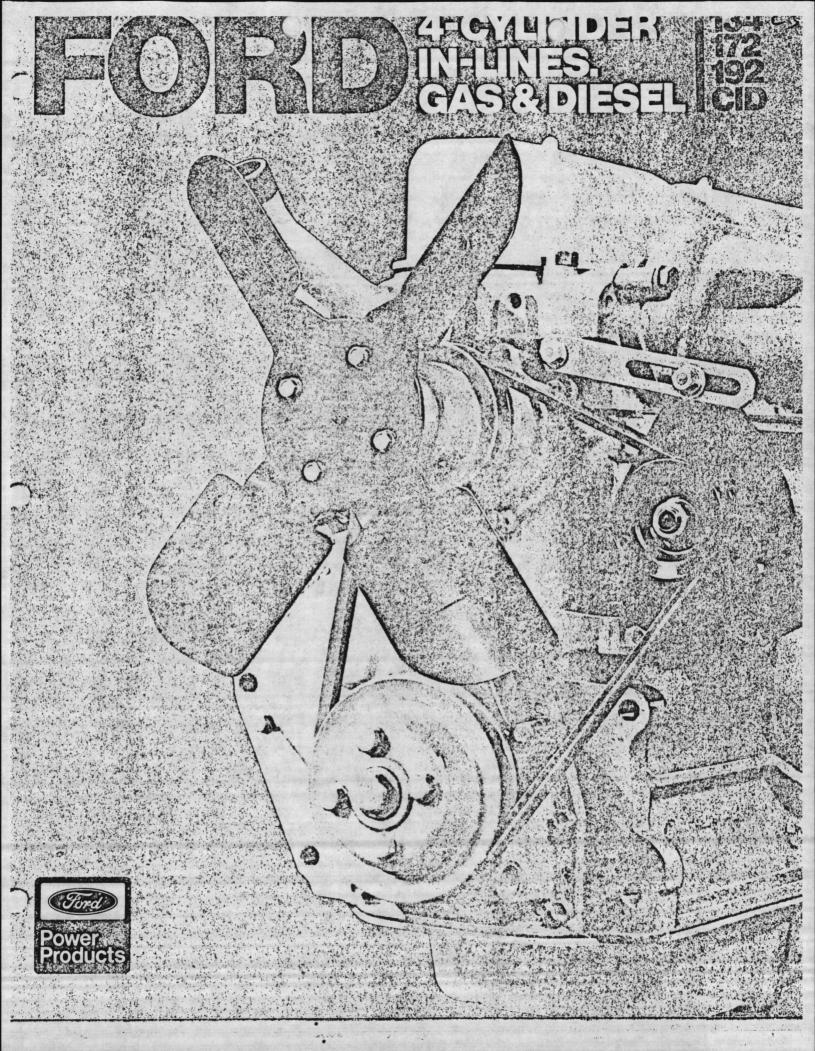
Tolerances: Shaft Extensions plus .000 minus .001; Base Rabbet AK plus .002 plus .005: Coupling Bore BX plus .005 plus .0015. The combination drive is desirable where 24-hour service is mandatory and is preferred by municipalities and waterworks corporations. Electric motor or engine may be used to drive the pump, permitting removal of either for repairs without interrupting service. As with the standard drive, combination applications are also available with solid shaft construction. See page 9.

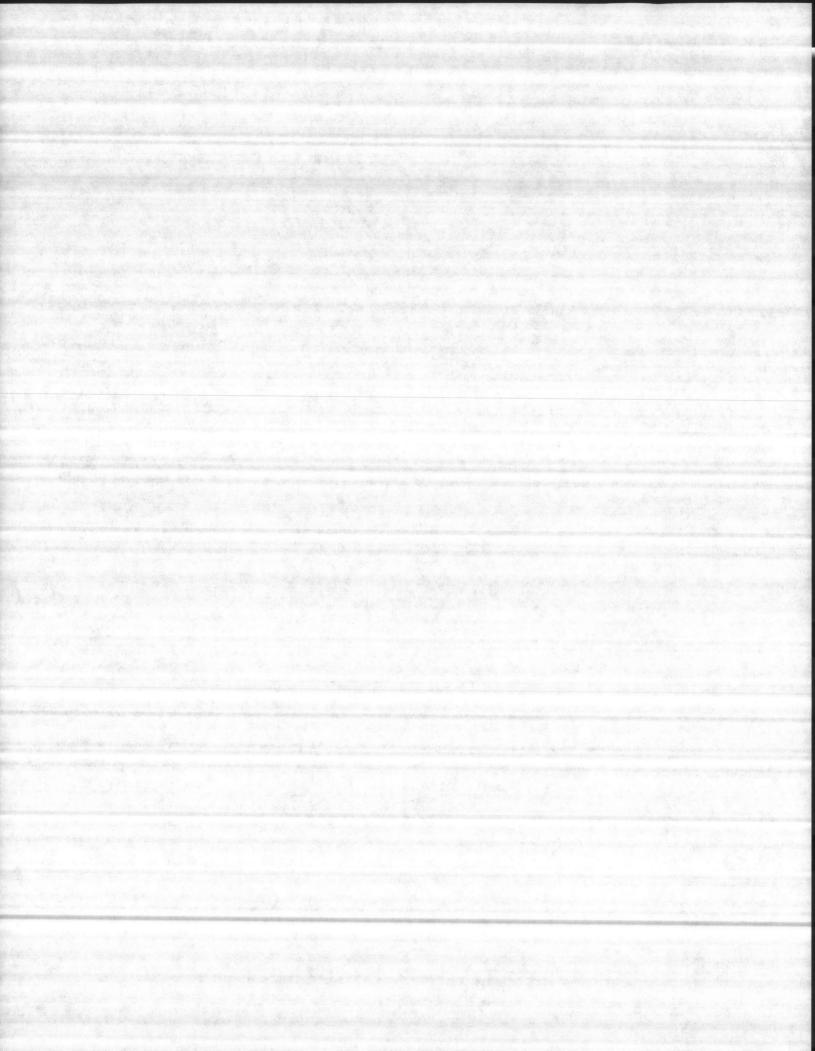


*Aiso 5/8-11 Tap on 14-3/4 Bolt Circle 1" Deep

Gear drives with special rotation (Figs. 2, 3 and 4) and gear drives with speed decreasing of 7.4 or higher ratios are manufactured to order, and such orders are not subject to cancellation without charge for parts processed.







AUTOMATIC BATTERY CHARGERS TYPE J - MODEL A-18

MANUFACTURERS AND ORIGINATORS OF THE WORLD'S MOST COMPLETE LINE OF BATTERY CHARGERS



677

for COMPLETELY SAFE UNATTENDED 24-HOUR-A-DAY BATTERY MAINTENANCE

GENERAL DESCRIPTION

The type "J-6" La Marche Charger is for use with batteries of 3 lead-acid cells.

The type "J-12" Automatic Charger is for use with batteries of 6 cells.

The types R-24, R-30/32, R-36 La Marche Automatic Battery Chargers are for use with batteries of either 12, 15, 16 or 18 cells (24, 30, 32 or 36 volts).

Except for the difference in voltage output, the installation, setting, and operation of the types "J" and "R" are identical.

These FULLY AUTOMATIC Chargers are designed for permanent mounting near the engine and permanent connection to the battery and A.C. lines.

They will automatically charge one or two sets of batteries at some rate from 2l/2 to 5 amps^{*} depending on the state of charge of the battery.

Designed for 24-hour-a-day service on unloaded batteries: these chargers are normally set so they will automatically shut down to miliampere currents on fully charged batteries.

As all components are operated at far below their normal rating, you are assured of the longest possible service life.

Meets MIL-G 18050B(MC) for 20 and 40 KW trailer mounted diesel generator sets.

*See specifications on back.

DESIGN FEATURES

- I. Automatic in operation and self-regulating.
- 2. Cannot discharge battery if A.C. line current goes off.
- 3. No radio interference.

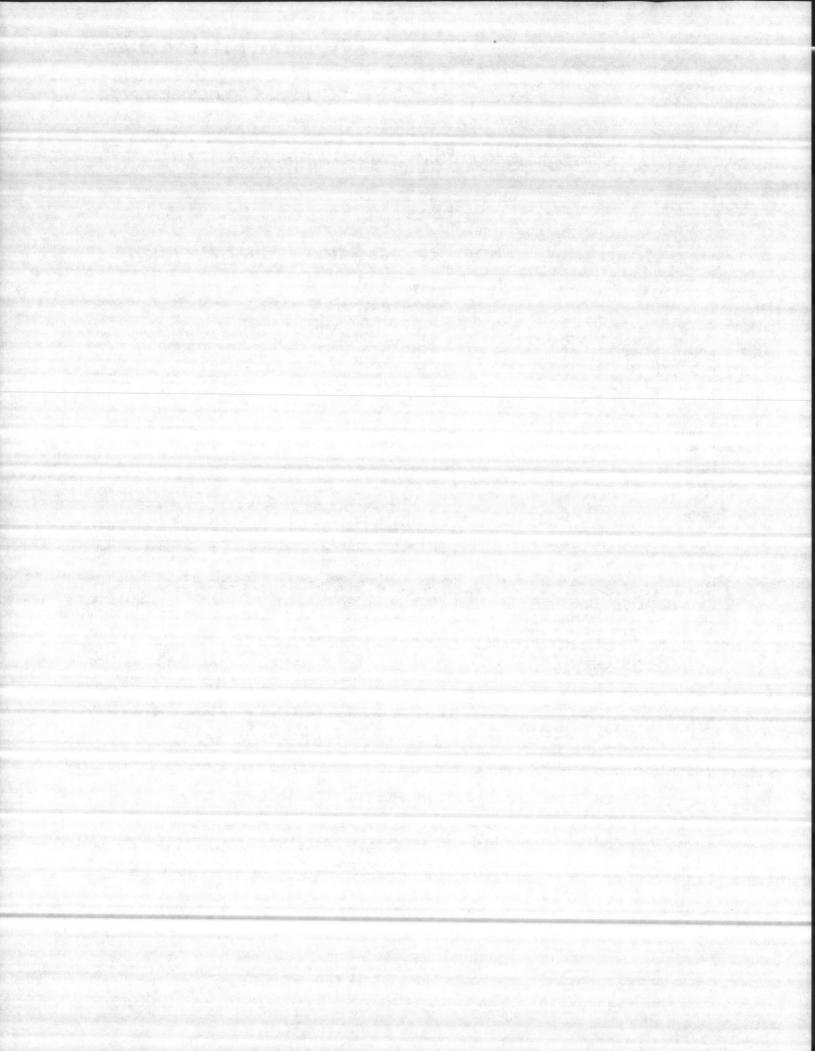
Supersedes Data Sheet and Prices on JR0016

网络网络 小小 网络海豚属加加加加加加加加 的复数形式

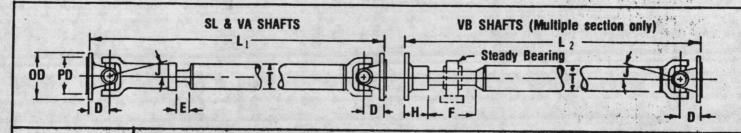
La

- No moving parts. Nothing to arc, spark or wear out.
- 5. Ammeter to tell rate of charge.
- 6. No external controls. Cannot be tampered with.
- Complete isolation of the A.C. line from the D.C. charging circuit eliminates the danger of high voltage shock to personnel on ungrounded equipment.

#JR0017 Effective Sept. 1, 1974



SHAFT SPECIFICATIONS



	SPECIFICATIONS FOR VA, VB & SL SHAFTS								ITALA!	Ser and			
and the second second	27-31	37	41	48	. 55	61	71	81	88	91 -	C 195 E	205	215
L - Std. length, Inches	24.3	24,36.48	24.36,48	24,36,48	24.36.48	24.36,48	48	48	48		-	_	-
- Min. possible, mid-slip	151/4"	163/4"	171/2"	163/4"	17"	5 253'8"	241/4"	267/16"	273'8"	31 7/8"	469/16"	4911/16"	6315/16"
T - Standard tube	21/2x.083	B x.083	31/2x.083	31/2x.083	31/2x.095	31/2x.134	4 x.134	41/2x.134	41/2x.259	4%x.250	514 x .375		9 x.625
- Special tube	31/2x.083	1/2x.095	41/2x.095	41/2x.095	41/2x.095	41/2x.095	1	1 .	1	1 1 1 1 3	54 × 375	1	1 Tax and the
D - Joint center to face	13%	19/16	111/16"	2"	2"	23/4"	3"	33/8"	31/2"	41/4"	85%"	91/2"	1134"
² E - lengthen or shortens	19/16"	113/16	111/16"	11/4"	11/4"	27/16"	115/16"	111/16"	13/4"	17/16"	21/2"	17/16"	21/2"
J - Max. clearance angle	15°	20°	20°	22°	22°	22°	22°	30°. *	220 3	15"	20	3 20° - 5	200
- Preferred working angle	1° to 8°	1 to B°	1° to 8°	1° to 8°	1° to 8°	1° to 8°	1º to 8º	1º to 8°	1º to 8º.	1º to 8°	1º to 8	1º to 8.	1º to 8º
PD'- Pilot dia.	23/8"	234	23/4"	33/4"	33/4"	65/8"	73/4"	73/4"	7"	7"	81/4"	10%"	1311/16"
OD - Outside dia.	37/8"	47/16"	49/16"	. 57%	57/8"	67⁄8″	8″	8″	95%	95%8"	113/16"	135%"	1712"
F - Steady bearing seat	6"	6	6"	8"	8″	8"	8"		8"	74.	814-2	12%**	18"
H - Flange length	21/16"	21/16"	29/16"	21/8"	215/16"	215/16"	311/16"	311/16"	45%	53/10"	5%	511)16"	7 7/16
G - Steady bearing dia.	13/16"	13 16"	17/16"	111/16"	115/16"	115/16"	23/16"	27/16"	215/16"	33/16"	37/16"	4 7/16	61/2"
WT - 48" shaft - L'	18#	24#	27#	32#	42#	561/2#	80#	108#	175#	. 198#	417#	853#	1412#
WT - 48" shaft - L2	171/2#		26#	281/2#	44#	411/2#	69#	98#	105#	188#	400#	1 - 1 F	t 12,
- Add or subtract per ft.	2.1#	7.6#	3#	3#	3.5#	4.8#	5.5#	6.1#	11.8#	-12.1#	29.4#	30.5#	.50#.
³ Elect. motor torque, lb. ft.	195	310	375	500	640	975	1.330	1,850	2.550	3,600	5,400	11,500	22,500
Static Torque Ib. ft.	. 800	1.240	1,500	2.000	2,400	3,650	4,800	6,500	8,900	12,000	18,000	36,000	72.000
Elastic limit, lb. ft.	1,600	2,200	2,700	3,330	4,400	6,500	8,000	12,000	16,000	20,800	34,000	68,000	136,000
Max. RPM	6,000	5,000	5.000	5,000	5,000	4,500	4,500	4,500	3,000	2,500	2.500	2,000	1,500
WR ² - 48" shaft, lb. ft. ²	.118	.221	.349	.456	.786	1.584	2.355	4.074	6.306	6.596	31.144	50.000	134.000
- Add or subtract per ft.	.020	.038	.061	.061	.069	.096	.140	.219	.363	.421	1.553	2.486	6.813
4 Max. eff. length @ 600	145"	156"	172"	• 172"	172"	172"	180"	180"	180"	180"	180*	180	180"
⁴ Max. eff. length @ 900	117"	127"	140"	140"	140"	140"	150"	156"	156*	156"	175"	160"	180"
⁴ Max. eff. length @ 1200	103"	111″	122"	122"	122"	122"	130"	136"	136″	136"	152"	167"	175"
⁴ Max. eff. length @ 1800	84"	91"	101"	101"	101"	101"	106"	111"	111"	111″	125"	136"	-

¹ Consult engineering department for special tube sizes for these shafts.

² Shafts will lengthen or shorten by "E" dimension giving a total movement of 2E. Length "L" is with slip joint in its mid-slip position.

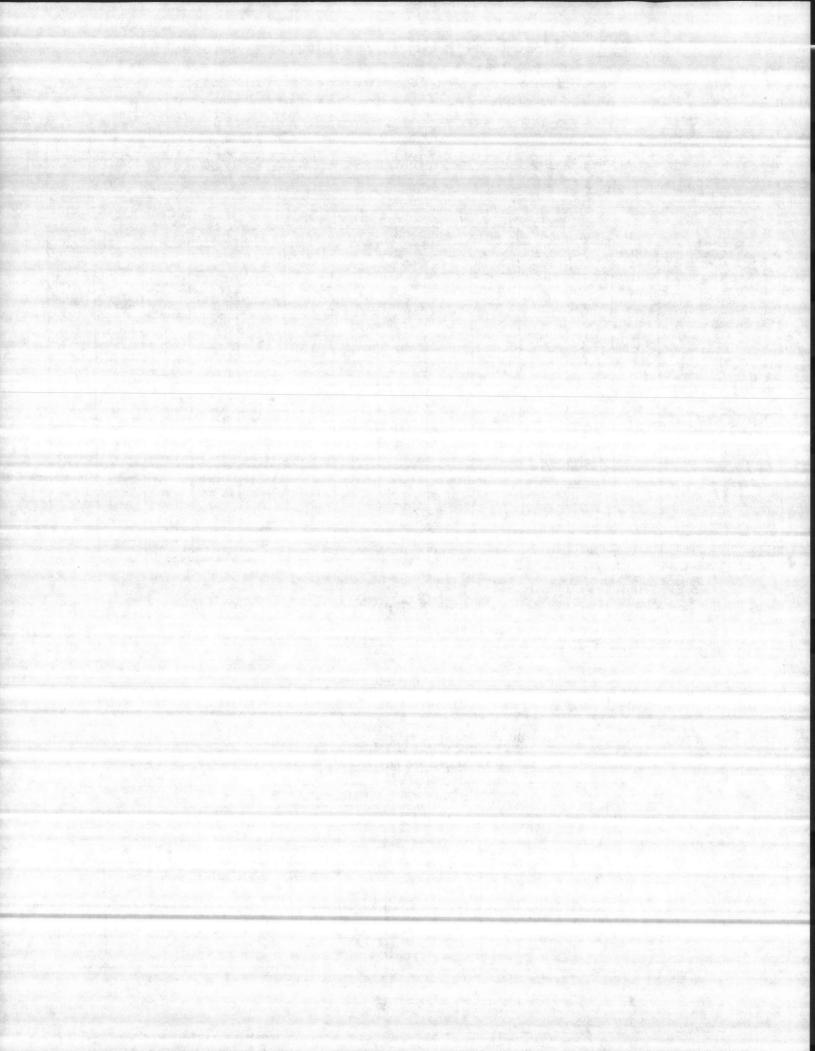
³ Electric motor torque is based on 6000 Hrs. of B-10 Life @ 1750 RPM.

For reference only; maximum effective length shown is based on using standard tubing. Add dimension shown in TABLE 2 for maximum L1 & L2. NOTE: These lengths were calculated for CRITICAL SPEEDS ONLY.

5 Note: Because of stackup dimensions, the SL61 x 24" will have a collapsed dimensions of 2215/16" and an extended dimension of 2711/16".

	Ļ			SC T F OD PD 1 L	SHORT								
	27-31	37	41	SPECIF	ICATIONS I	OR SHORT	COUPLED	SHAFTS	68			Sectores	New York
L - Std. lengths, Inches	83'4"	97/8"	978"	9″	101/4"	91/2"	11"	1331/32"	141'8"	2238"	37 ⁹ /16"	205 40 ⁵ /16	215
D - Joint center to face 2 E - Lengthens or shortens	13/8" 3/8"	19/16	1 ^{11/} 16" 3'8"	11/2"	2" 1/2"	17/8"	2"	219/32"	21/2"	37%"	8%"	91/2"	
J - Max. clearance angle	18°	1	22°	1⁄2″ 8°	¹ /2" 8°	3%". 8°	₩" 8°	⁹ /16" 12°	1/2" 8°	11/16 8°	1%* 20°	16/16" 20° :	
- Preferred working angle	1° to 5°	1° A 5°	1° to 5°	1° to 5°	1° to 5°	1° to 5°	1° to 5°	1° to 5°	1° to 5°	1° to 5°	1° to 8°	1° to 8°	
PD - Pilot dia.	23%"	134	23'4"	33/4"	33/4"	6%"	73⁄4″	734"	7"	84."	81/4"	103%"	
00 - Outside dia.	37/8"	9/16	49/16"	5%	57/8"	67/8"	8"	8"	95%	10%"	113/16"	13%	an in
Weight	7#	11#	13#	19#	28#	34#	45#	70#	90#	175#	400#	800#	
Max. RPM	6000	5000	5000	5000	5000	4500	4500	4500	3000	2500	2500	2000	
WR ² - lb. ft ²	.071	.073	.148	.148	.474	1.480	1.778	3.047	4.180	6	34.250		

NOTE: Torque ratings for short coupled shafts are the same as the VA & VB shafts. ⁶ New series information not available at time of printing.





PROTECTS EMPLOYEES FROM POSSIBLE INJURY

The Occupational Safety and Health Act requires that all employees be protected from possible injury. A spinning drive shaft can seriously hurt someone if it isn't installed safely. Don't invite injury or stiff penalties resulting from an OSHA inspection of your facility. Specify Parrish Shaft Guard for every shaft and be safe.

SIZES - HORIZONTAL

SHAFTGUARD MODELS	LENGTHS AVAILABLE	FOR SHAFTING SERIES
.HG 18	10" to 18"	27 thru 55
-HG 24	14" to 24"	61 thru 81
HG 42	24" to 42"	27 thru 55
HG-54	36" to 54"	27 thru 55
HG 66	35" to 66"	27 thru 55
•HG 70	35" to 66"	61 thru 81
'HG-91	28" 10 54"	88 thru 95

All Parrish Horizontal Shaft Guards are 7" in diameter except the HG-24 & 70 which are 12" in diameter and the HG-91 which is 15" in diameter. of telescoping construction in 1/4" increments. All Nuts and Bolts necessary for installation are furnished together with complete instructions.

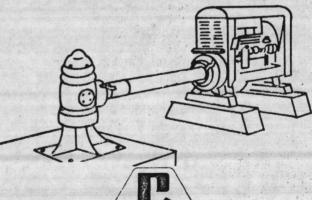
.Special lengths and diameter guards.

HORIZONTAL APPLICATION

heavy machinery, etc.

SIMA ARTICIU AIRID SPECIAL FEATURES

- Protects against accident due to exposed shafts.
- Easily installed on new or existing installations. Slips easily over shaft and bolts to driving and driven machines.
- Rigid construction of heavy guage, continuous milled, non-flaking steel.
- No lost time lubricating shaft. 2" wide opening runs full length of underside of guard.
- Economically priced.



3912 Funston St., Toledo, Ohio 43612

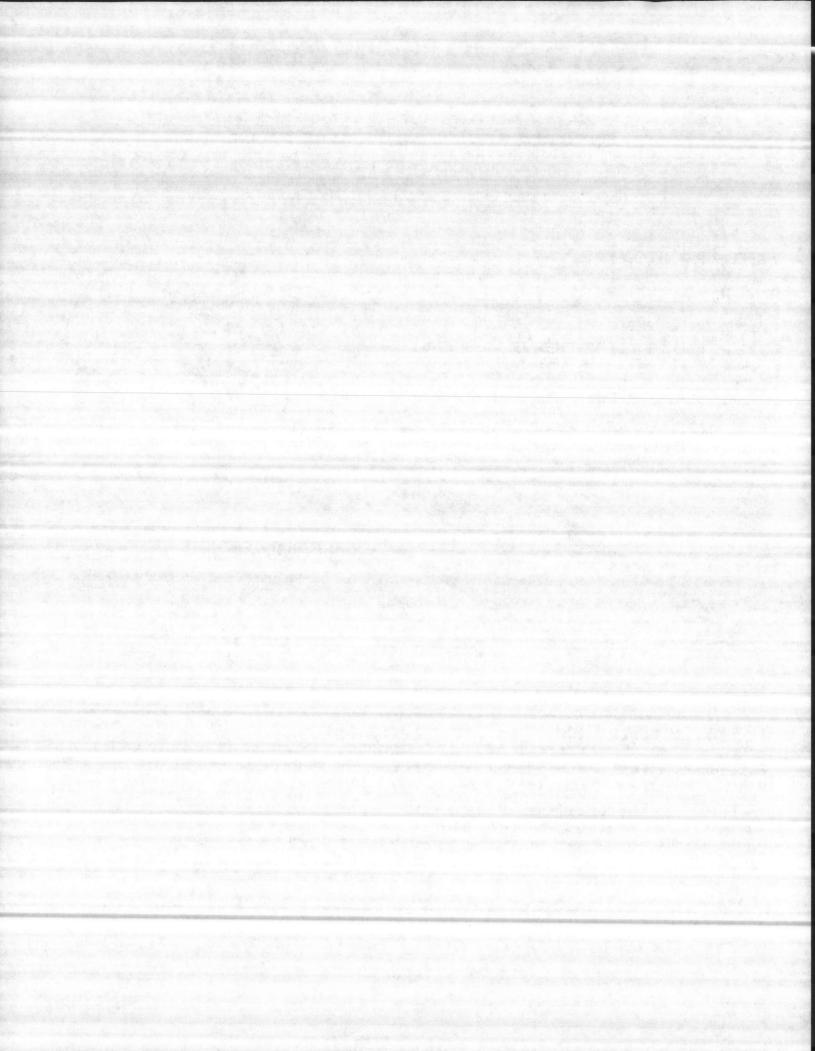
Parrish Power Products

-S. 18.77

Parrish Shaft Guard should be used wherever a spinning drive shaft could accidentally injure an employee.

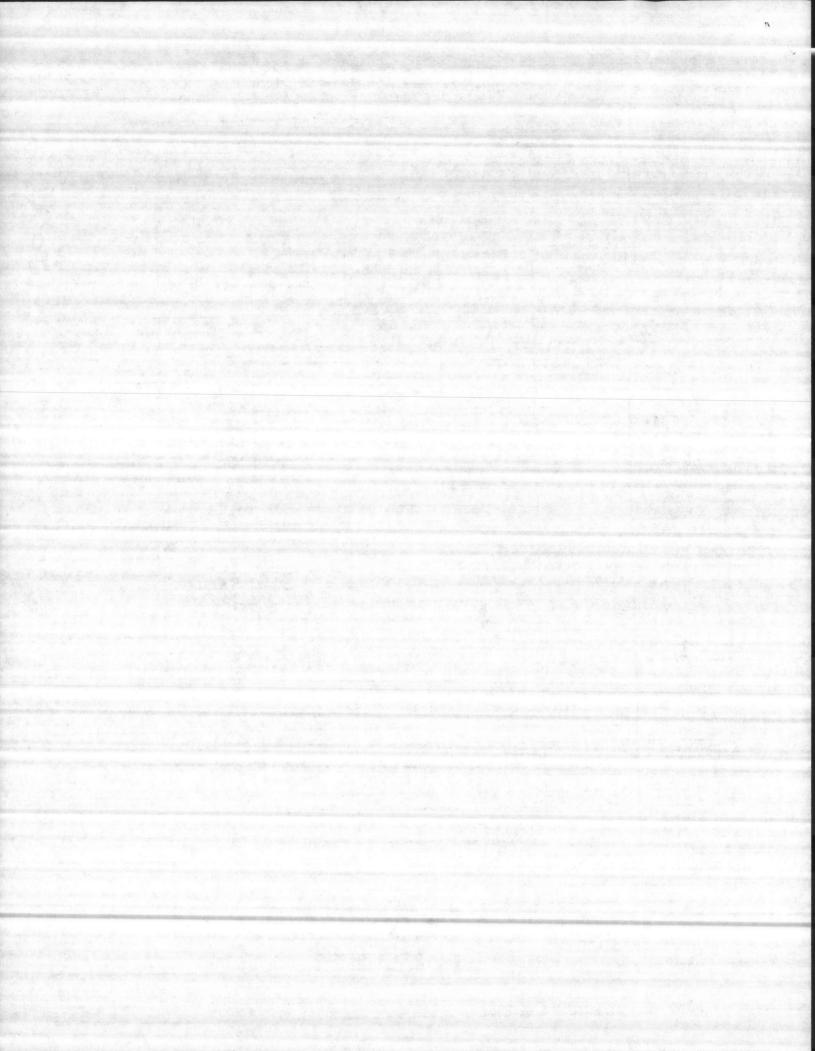
The unit is easily installed on horizontal applications such as pumping operations, generators, rolling mills.

• Phone 419/478-0301 Telex No. 28-6045

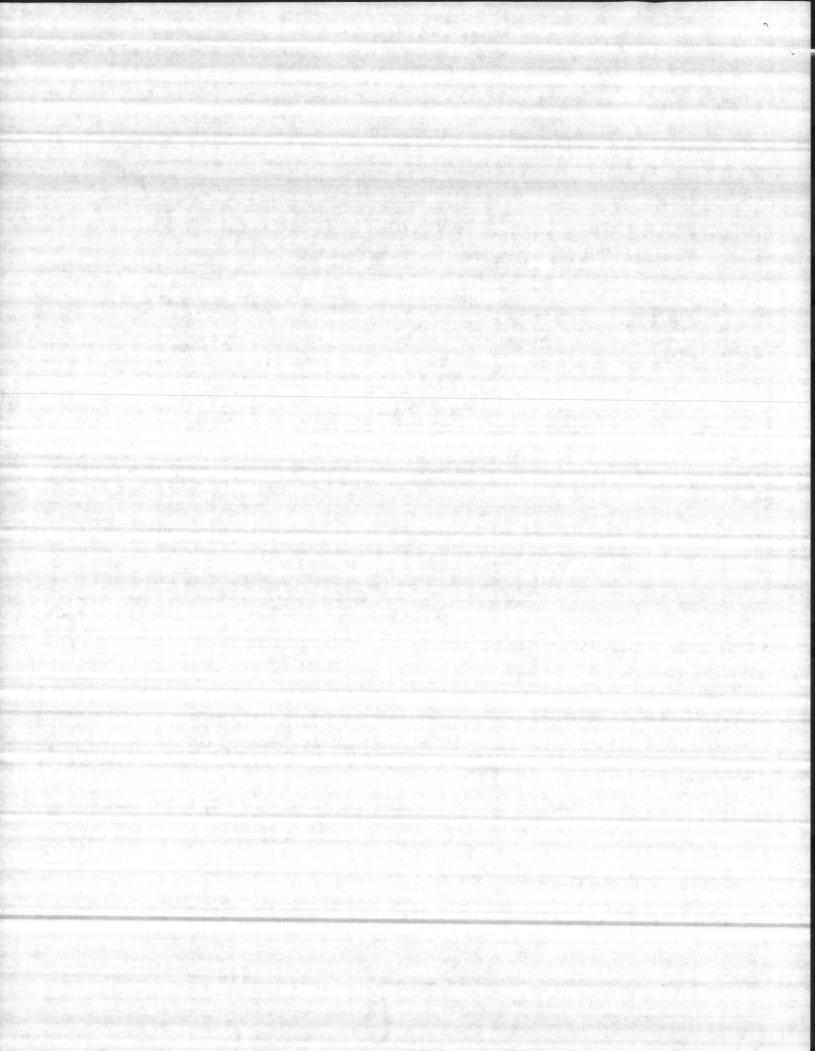


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4:00						70:0"	
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100	Y		V			70'-0"	
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Sall a sugar side		RECOY	RY DAT	A		- // - //	
:05						26:0"	
;15						25-5"	
:25						24'.9"	
· 4 > · 35 · 4 > · 55 · 05			and the second second			24-7	
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EAST COAST CONSTRUCTION CO., INC CONTRACT N62470-76-C-6800 REPLACE WATEK WELLS MARINE CORPS BASE CAMP LEJUENE, NC

"Wello Analysis, Goodbye Worry"

WATER ANALYSIS LABORATORY BO2 HAMLET HIGHWAY BENNETISVILLE SOUTH CAHOLINA CONSULTANTS FOR INDUSTRY MUNICIPALITIES HOME DWNERS DEVELOPERS IRRIGATION OTHERS

DATE May 29, 1978

Report To: Carolina Well & Pump Co. Sanford, N. C.

Date Analyzed: <u>5/29/78</u> Sample Number: <u>"A" Air Field</u>

Analysis Results--Parts Per Million

Determination

Determination

(F03) 479-4639

pH	7.2
Iron (Fe)	0.1
Nitrate (NO3)	Trace
Fluoride (F)	0.6
Manganese (Mn)	Trace
Total Hardness (CaCO3)	165
Chlorides (CI)	
Sulfate (SOA)	8.7
Phosphate (PO4)	0
Magnesium. (Mg)	9.1
Calcium (Ca)	51.2
Carbonate (CO3)	<u> </u>
Bicarbonate (HEO ₂)	242
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South Barris

Carbon Dioxide (CO ₂)	
Total Acidity (CaCO3)	
Calcium Hardness (CaCO3)	128
Magnesium Hardness (CaOO3))	
Carbonate Hardness (CaOO3)	165
Noncarbonate Hardness (CaOO3)	0
Alkalinity (Phenolphthalein) (CaCO3)
Carbonate Alkalinity (CaCO3)	0
Bicarbonate Alkalinity (CaCO3)	280
Total Alkalinity (CaCO3)	280
Total Dissolved Solids	280
Specific Conductance (micromhos at 25%)	400
Appearance When Analyzed	Clear
Odor When Analyzed Not	<u>Objectionable</u>

6. Fill to a School th

LABORATORY DIRECTOR

ANALYTICAL METHODS REFERENCES: 'STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE-WATER.' APHA, AWWA AND WPCF AND 'METHODS FOR COLLECTION AND ANALYSIS OF WATER SAMPLES,' WATER SUPPLY PAPER 1454 (1960), U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.

SIGNED

