



**Kenner Marine and Machinery, Inc.**

P.O. Box 1200  
Laplace, Louisiana 70069-1149  
504-464-0550  
504-652-2493

DREDGE "JACKIE"

OFFICIAL NO. 922572  
JOB NO. 1700  
SIZE: 6 X 8  
DATE: MARCH 1988  
DRAWING NO. D-607

*Kenny  
Cable Marine*

GENERAL

Overall length (ladder up)	47'-0"
Hull length	30'-0"
Overall beam	11'-10"
Depth	4'-0"
Ladder length	20'-0"
Fuel capacity	1000 gallons
Approximate weight	47,000 lbs
Digging depth (@ 60 degrees)	17'-0"

HULL

Single piece welded construction

Center: 22'-0" x 5'-10" x 4'-0"	
Longitudinals on 24" (max) centers	L 3x2x3/16"
Frames on 5' (max) centers	C 3x4.1
Bottom and sides	3/16" plate
Bow and stern	3/8" plate

  

Sponsons: 30'-0" x 2'-11" x 4'-0"	
Longitudinals on 24" (max) centers	L 3x2x3/16"
Frames on 5' (max) centers	C 3x4.1
Bottom and sides	3/16" plate
Stern	1/2" plate
Bow	1/4" plate

FLOTATION

Hull is divided into 12 watertight sections  
Access to compartments are by means of 18" watertight  
manholes (fuel tank and hydraulic tank access by  
18" bolted flange)

LEVERROOM

Leveroom provides 360 degree visibility  
Top portion removable for transportation

4'-0" x 5' 7"

LADDER

W12 X 19" I beam construction  
for heavy cutting capacity

20' x 4'-0"

SPUDS

6" square tubing  
25' long

1/2" wall thickness

CUTTER  
ASSEMBLY

Cutter: DMI Cutter Blade No. B2660

Renewable edges

Left Hand

Rotary basket cutterhead

Operating torque

Horsepower

Operating speed

Cutter direction is reversible to  
aid in cleaning

DMI Nos 2703 & 2704

5 Blade

26" I.D.

37,500 Co in-lbs

20 h.p.

Variable 34 RPM

Gear: Fairfield S3A-4-4-44 ZB

43.5:1 Ratio

S/N LC7J0208

Differential Planetary for high  
torque output

Motor: Commercial Shearing M51 A-878-SPL-1X1SAE-AB12-7

Cutter shaft runs in water lubricated

bearings housed in a heavy steel

tube to reduce wear.

Cutlass bearings

3 3/4" O.D. x 3" I.D.

Bearing is machined to the same dimensions  
as a rubber cutlass bearing.

205 H.P.

@ 2100 RPM

General Motors 6V-71 Serial No. 6VA30162

Engine has emergency shutdowns for high

temperature, low oil pressure, and overspeed

Cooling provided through keels on hull

Twin Disc Model MG 507 S/N 663813

3:1 Ratio

Gear engages with engine speed control to  
provide single lever pump/engine control

Morse MT-2 Single

Throttle Kit

A 41489

Engine Cable

33 C 28 feet

Clutch Cable

33 C 26 feet

DUPLINGS

Engine Gear to Pump

Dodge Paraflex

PX 140

Taper Lock Bushings

Pump: (1) Bore 3 7/16" Keyway 7/8"

Gear: (1) Bore 3 1/2" Keyway 7/8"

Type: HF

Hydraulic Pump

REX Omega E30

Q.D. Bushings

Engine: 2" - 1/2" Key

Pump: 1 1/4" - 5/16" Key

Absorbs engine and pump vibration and  
allows for slight misalignments caused  
in transportation

Provides easy pump adjustment

MAIN  
ENGINE

REDUCTION  
GEAR

DREDGE  
PUMP

MAIN PUMP

PEKOR 6 x 8 MXT S/N 6x8 MXT-25-24-3 7/16  
Pump wear parts made of wear-resistant Ni-Hard  
Pump is complete with cleanout box for easy  
access to pump for cleaning and adjustment  
Suction Diameter 8"  
Discharge Diameter 6"  
Impeller Diameter 25"  
Packing Size ~~3/4"~~ 5/8" Square

SERVICE  
WATER

Berkeley 2 x 3-10 1/2" B2ERHH-CCW  
BM# B-55159 KMM S/N 1 S/N 07-85  
Belt driven for high efficiency (3) gates AX55 belts  
Woods Type A-B sheave  
(3) groove  
6.4" pitch diameter SD bushing  
Bore: 1 1/8" key 1/4"

Suction Diameter 3"  
Discharge Diameter 2"  
Impeller Diameter 10-1/2"

Provides packing seal water, cutter bearing  
flushing water, and wash-down water  
Packing Size 3/16"

SWING  
WINCHES

Pullmaster 9600 lb bare drum pull  
M6-14-70-1 S/N 7784 STBD  
M6-13-70-1 S/N 8417 PORT  
Winches are equipped with external  
brake releases for single lever control  
Winches have speed control for smooth  
steady operation  
Winches provided with 150' of 1/2" IWRC  
wire rope

SPUD  
WINCHES

Pullmaster PL2-12-7-1 2000 lbs bare drum pull  
S/N 26027 Starboard  
S/N 26026 Port  
Winch system designed for full  
spud travel without pinning or  
resetting spud  
Winches provided with 40' of 3/8" IWRC  
wire rope

LADDER  
RAM

Nopak 5 x 48 F Bore 5", Rod 2-1/2", Stroke 48"  
S/N 87-11111

*Hampton*  
*Pump Specialist*  
*Ken 408-725-3376*

HYDRAULIC  
SYSTEM

Pump:  
Commercial P51B-578-BY-OH15-11-D-UH12-1

Spud and Ladder Ram Valve:  
Commercial VA20-AA770-HA-739-E402-MA7-MA7-Z880

Swing Valve:  
Commercial VA20-AA770-MB7-MB7-Z880

Cutter Valve:  
Commercial VA20-AA770-MB7-Z880

Cutter Motor:  
Commercial M51A-878-SPL 1x1 SAE AB12-7

Speed Controls:  
Fluid Control 2F-77-R-16T-16T-50-S  
Fluid Control 2F-97-P-16T-16T-16T-50-S  
Waterman DH1414-R6-40 (Swing)

Counterbalance:  
Craig VBSO-SENA 3/4" Ports

Brake Control  
Two (2) Vickers C175 Press. reducing valves

Filters:  
Return: Fairy Arlon TTF-300-1-1/2" N.P.T.  
TXX5A-10-B-T-22-G30-TP  
Suction: Fairy Arlon ATZ300-SAE24-SF 3-60-GAGE

Tank Breather:  
Easy Flow 3F2042

Dredge Suction Hose:

Townley  
8'-0" Long  
8 5/8" I.D.

Service Water Pump Hoses:  
Suction Hose:

3" single wire hose with  
nipples at each end  
20" O.A.L.

Discharge Hose:

2" discharge hose  
working press. 150 p.s.i.  
nipples at each end  
32" O.A.L.

ELECTRICAL  
SYSTEM

12 volt system (1) 8D Battery  
Engine is 12 volt electric start  
Engine is equipped with a 51 amp alternator.  
Engine Battery supplies engine start

PAINT

All coated surfaces are commercially blasted  
Hull exterior (sides and bottom), ladder, and  
spuds: coated with coal tar epoxy to resist  
corrosive environments  
Deck: coated with red oxide primer and enamel  
color coat  
Engine compartment and leveroom: coated with red  
oxide primer and enamel color coat

## BILGE PUMP

Rule 2000 with auto switch  
Jabsco 15500-0000

ALARM SWITCH

Engine Day Tank  
Murphy EL150  
Hydraulic Oil Tank  
Murphy DF 755

SAFETY  
EQUIPMENT

Handrails, kickrails, life ring, safety line, signal beacon, fire extinguisher. Guards over all moving parts

## LUBRICATION

Hydraulic Oil	Amoco Industrial 46 or equal
Winches and Cutter Gearbox:	Amoco 85W140
Engine and reduction Gear:	SAE 40 Series 3

## SHEAVES

Spud: Skookum 8" Diameter - 2" pin  
Sheave #T-8

Swing - McKissick 8" #419



INVOICE

1352

PEARCE MIDWEST

108 E. 12th St. • Portland, ME 04103  
Office 402-327-7552 • Mobile 402-327-6185 • e-mail mcm@resdur.com

Thomas Dredging

DATE 4-27-20

20 Thomas Lakes

Ashland, NE 68003

Customer P.O. # Vol Denny

INVOICE DATE C.O.D.

Qty	Description	Price	Total
1	Shell - 8x8 MXT, 25" Dia., Open Back, Bott Dis, NF, WV, 3 Lugs, 10" Taper, HC	\$8,865.60	\$8,865.60
1	Impeller - 6GH, 24" Dia., RH, 4V, 3" TH, 4-3/8" Hub, Flat, HC	\$3,237.80	\$3,237.80
1	Suction Liner - 8x8 MXT, Flat, Tapered, NH	\$2,431.00	\$2,431.00
1	Packing Liner - 8 MXT, Tapered, HC	\$3,118.00	\$3,118.00
2	Shell Gasket, 6TS-GH, 1/8	\$48.20	\$92.40
1	Pre-paid freight	\$292.69	\$292.69
	Subtotal		\$18,067.49
	5.5% NE state sales tax		\$993.71
	INVOICE AMOUNT		\$19,061.20
	Thank you for your order		

Quality service, equipment and supplies for the dredging and dry milling industries