

THE “ORIGINAL”



AMREP'S "West Coast" 21-22 ft., 38-40 cubic yard Octagonal Front Loader Body, with full pushout or hoist ejection. Our unique octagonal shaped body provides many benefits, such as: great strength, higher payload, better rearview visibility and increased fuel economy. The arms are 8,000 lb. capacity, with a 16 second lift and dump cycle. Standard features include: automatic packer, 6 ½" bore packing cylinders, with 120,000 lbs force, 48" high packer blade, with full follower. The lower packer blade, with full follower, allows for better compaction, container clearance and prevents spillage over the blade. The packer has a 25 second pack and return cycle, with "pack on the run" feature, to enable faster pick-up time.

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AMREP FRONT END LOADER UNIT

STANDARD PUSH-OUT UNIT (MODEL AMOCFLPO-21 OR 22)

THE FOLLOWING SPECIFICATIONS ARE FOR 38 – 40 CUBIC YARD FRONT LOADING REFUSE COMPACTION BODIES TO BE MOUNTED ON CUSTOMER'S THREE OR FOUR AXLE CHASSIS.

BODY AND PACKER DESIGN

THE OCTAGONAL BODY DESIGN WITH HYDRAULIC BUBBLE TYPE REAR DOOR PROVIDES ADDITIONAL BODY STRENGTH AND EASY UNLOADING. THE PACKING MECHANISM FEATURES A LOW 48" PACKER BLADE WITH FULL FOLLOWER PLATE TO PREVENT REFUSE FROM SPILLING BEHIND BLADE. THE LOW PACKER BLADE IS DRIVEN BY TWO 6 ½" BORE CRISS CROSS MOUNTED CYLINDERS FOR MAXIMUM COMPACTION.

BODY AND PACKER BLADE SPECIFICATIONS

BODY

CONSTRUCTION: BODY POSTS AND ROOF CARLINS – 1/8" X 4" X 2" FORMED STEEL SET ON MAXIMUM 26" CENTERS.
LOWER SIDES - 10 GAUGE HIGH TENSILE STEEL
UPPER SIDES – 12 GAUGE HIGH TENSILE STEEL
ROOF – 12 GAUGE HIGH TENSILE STEEL
FLOOR – ¼" T-1 "AR" STEEL
LONGITUDINAL – 6" X 2" X 3/16" STEEL TUBING
CROSS MEMBERS – 1/8" X 4" X 2" FORMED STEEL

HOPPER

CONSTRUCTION: LOWER SIDES – 3/16" HIGH TENSILE STEEL
UPPER SIDES – 12 GAUGE HIGH TENSILE STEEL
HORIZONTAL BRACES – 2" X 2" SQUARE TUBING

HYDRAULIC REAR DOOR:

HYDRAULIC ACTUATED SINGLE REAR STEEL CONVEX DOOR LINED WITH PLYWOOD.
DOOR SHEETS – 14 GAUGE HIGH TENSILE STEEL
BRACING – 2" X 2" SQUARE TUBING

HYDRAULIC HOPPER COVER: HYDRAULIC ACTUATED SLIDING COVER WITH WARNING LIGHT OPERATING INDEPENDENT OF LOADER ARMS AND PACKER.

PACKER BLADE: PUSH TYPE "A" FRAME BOX WITH CONCAVE FACE CONSTRUCTION WITH SKIDS TO SLIDE IN FULL LENGTH GUIDES ON BODY FLOOR. (ASTRALLOY STEEL ON SKIDS)

PACKER: PACKER FACE PLATE - ¼" T-1 STEEL
 PACKER SIDES - 3/8" MILD STEEL
 PACKER LENGTH - 30"
 PACKER WIDTH - 80"
 PACKER HEIGHT - 48"
 PACKER GUIDES - 6" X 15.3# CHANNEL FULL LENGTH OF BODY

WEAR GUIDES - ASTRALLOY WEAR STRIPS

PACKER FOLLOWER: ATTACHED TO TOP OF PACKER BLADE TO PREVENT REFUSE FROM COLLECTING IN FRONT AREA OF BODY.
 FOLLOWER FRAME - 2" X 2" SQUARE TUBING
 FOLLOWER COVER - 10 GAUGE HIGH TENSILE STEEL

CAB CANOPY: COMPLETELY COVERS CAB ROOF.
 SIDE AND TOP - 14 GAUGE MILD STEEL

LADDER: RIGHT SIDE OF BODY TO PROVIDE ACCESS TO BODY ROOF.

FRONT LOAD MECHANISM DESIGN

THE LOADER ARMS ARE DESIGNED TO TRAVEL OVER THE CAB WITH A COMPLETE CYCLE TIME OF 14 - 18 SECONDS. THE LOAD MECHANISM IS CAPABLE OF DUMPING 1 - 8 CUBIC YARD CONTAINERS. THE ARM CYLINDERS ARE PULL TYPE MOUNTED ON THE ARMS. THE LOADER ASSEMBLY INCLUDES STANDARD SIDE FORKS WITH DOCK CAPABILITY.

FRONT LOAD MECHANISM SPECIFICATIONS

LOADER ARMS: 8.000# CAPACITY, RECTANGULAR TUBING WITH FLAT BAR STRAPS AND REINFORCEMENT GUSSETS AT CORNERS.
 TUBING - 8" X 2" X ¼" WALL 50,000 PSI TENSILE STRENGTH
 STRAPS - ½" X 2" FLAT BAR
 GUSSETS - 3/8" PLATE

ARM CROSS SHAFT: COLD DRAWN SEAMLESS TUBING, BOLTED ON
 TUBING - 4 ½" O.D. X ½" WALL 80,000 PSI
 MOUNTING - "U" BOLT HALF-CAP ON FRONT OF BODY

ARM CROSS

SHAFT BEARINGS: (2) FULL AND (1) HALF BRONZE BUSHINGS GROOVED FOR LUBRICATION.
FULL BUSHING - 6" O.D. X 4 1/2" I.D. 6" LONG
HALF BUSHING - 6" O.D. X 4 1/2" I.D. 3" LONG

DECELERATION

VALVE: TO ALLOW FOR MAXIMUM OPERATING SPEEDS WITHOUT DRIVER CORRECTION.

FORKS:

STANDARD SIDE POCKET FORKS
SIDE FORKS - 6" HIGH X 1 1/4" WIDE X 51" LONG

FORK CROSS

SHAFT: COLD DRAWN SEAMLESS TUBING.
TUBING - 3 1/2" O.D. X 1/2" WALL 80,000 PSI

FORK CROSS

SHAFT BEARINGS: (2) BRONZE BUSHINGS, GROOVED FOR LUBRICATION.
BUSHING SIZE - 4 1/2" O.D. X 3 1/2" I.D. X 2 1/2" LONG

CONTAINER

STOPS: RUBBER PADS MOUNTED INSIDE FORKS AT CROSS SHAFT

HYDRAULIC SYSTEM AND COMPONENTS

RESERVOIR:

60 GALLON CAPACITY WITH BREATHER CAP, SHUT OFF VALVE AND TANK DRAIN PLUG. A 20 MICRON IN TANK RETURN LINE FILTER CARTRIDGE WITH 20 PSI BYPASS VALVE. VERTICAL BAFFLES, 150 MICRON REUSABLE SUCTION FILTER.

HOSES AND

FITTINGS: HEAVY DUTY DOUBLE WIRE BRAIDED AEROQUIP SAE HOSE WITH JIC FITTINGS AND SEAMLESS STEEL TUBING.

CONTROL VALVE:

COMMERCIAL A-35 WITH BUILT IN RELIEF VALVE.

POWER SOURCE:

FRONT PUMP OR P.T.O. (COMMERCIAL OR MUNCIE)

PACKER/EJECTOR
CYLINDERS:

(2) - THREE STAGE TELESCOPIC, DOUBLE ACTING, ALL STAGES CHROME.
FIRST STAGE (PACKING) - 6 1/2" BORE
SECOND STAGE (EJECTION) - 5" BORE
THIRD STAGE (EJECTION) - 3 1/2" BORE
STROKE - 16 3/4"

ARM

CYLINDERS:

(2) - SINGLE STAGE, DOUBLE ACTING
BORE - 4"
STROKE - 48 3/8"
ROD - 2" CHROME

FORK
CYLINDERS: (2) SINGLE STAGE, DOUBLE ACTING
BORE - 3"
STROKE - 21"
ROD - 1 1/4" CHROME

REAR DOOR
CYLINDERS: (2) SINGLE STAGE, DOUBLE ACTING
BORE - 2 1/2"
STROKE - 35"
ROD - 1 1/4" CHROME

HOPPER COVER
CYLINDER: (1) SINGLE STAGE, DOUBLE ACTING
BORE - 3"
STROKE - 93"
ROD - 1 1/4" CHROME

HYDRAULIC OIL: ANTI-WEAR, CORROSION, OXIDATION AND FOAM INHIBITORS
ISO VISCOSITY GRADE - 46
API GRAVITY - 31
VISCOSITY - 220 @ 100 DEG. F.
FLASH POINT - 430 DEG. F.

HYDRAULIC
CONTROLS: AIR OPERATED CONTROLS MOUNTED IN CAB TO THE RIGHT AND
FORWARD OF OPERATOR AND OUTSIDE ON THE FRONT LEFT SIDE OF
BODY. (WILLIAMS WITH FEATHERING ABILITY)
ELECTRIC/AIR AUTO-PACK CONTROLS FOR PACKER BLADE

MISCELLANEOUS

LIGHTS: STANDARD I.C.C. LIGHTS AND REFLECTORS CONFORMING TO
CALIFORNIA STATE VEHICLE CODE. "TRUCK-LITE" TAIL, STOP, BACK UP
AND DIRECTIONAL LIGHTS ARE MOUNTED IN THE REAR DOOR.

PAINT: ONE COAT PRIMER AND ONE COAT POLYURETHANE PAINT

CLEAN OUT
DOORS: TWO DOORS AT FRONT OF BODY (10 X 31").

MANUALS: TWO OPERATION AND MAINTENANCE MANUALS PER UNIT.

REAR DOOR
LIQUID CATCH : MADE WITH LIGHT COMPOSITE MATERIAL OR STEEL, INSTALLED
UNDER REAR DOOR TO PREVENT LIQUID SPILL (IF SEAL IS NOT
FUNCTIONING PROPERLY.)

MID BODY TURN
SIGNALS: DIRECTIONAL LIGHTS MOUNTED AT MID-POINT OF BODY

OPTIONS

HYDRAULIC ADJ. FORKS:	HYDRAULIC ACTUATED SIDE, BOTTOM OR COMBINATION FORKS ADJUSTABLE FROM 35" CLOSED TO 75" OPEN.
DECELERATION VALVE DOWN:	TO ALLOW FOR MAXIMUM OPERATING SPEEDS ON DOWN STROKE WITHOUT OPERATOR CORRECTION.
HOIST UNLOADING:	HOIST UNLOADING AVAILABLE AT NO CHARGE
BODY SIZE VARIATIONS:	BODY CAN BE MADE 30 – 40 CUBIC YARDS (INCLUDING HOPPER)
SIGN FRAMES:	MADE TO CUSTOMER SPECIFICATIONS
LIGHTS:	L.E.D. LIGHT PACKAGE
CAMERAS:	REAR VIEW CAMERA PACKAGES PER CUSTOMER SPECIFICATION

ESTIMATED BODY WEIGHT

NOTE: OPTIONS MAY AFFECT TOTAL BODY WEIGHT

ESTIMATED
BODY WEIGHT: (16,300#) * LIGHTER BODIES AVAILABLE WITH MATERIAL
MODIFICATIONS.

MINIMUM STEEL SPECIFICATONS

MILD STEEL: TENSILE STRENGTH – 56,000 PSI
TENSILE YIELD – 36,000 PSI

HIGH TENSILE
STEEL: TENSILE STRENGTH – 80,000 PSI
TENSILE YIELD – 55,000 PSI

T-1 "AR" STEEL: TENSILE STRENGTH – 150,000 PSI
TENSILE YIELD – 100,000 PSI
BRINELL –363