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CENTERMARK U-Bolt Bender Specification Sheet

Reservoir Assembly:

- 10 gallon oil capacity
- Welded steel tank with magnetic drain plug
- Tank dimensions (18' length x 18' width x height)
- Removable top plate with oil fill tube and breather cap
- Oil level site gauge with built-in thermometer
- 3000 PSI liquid filled gauge with shutoff
- Two station manifold with built-in relief valve
- Pressure hose on pump outlet to manifold
- Suction strainer on pump inlet
- Spin-on 10 micron filter with mechanical dirt indicator
- Steel return line from filter housing to manifold
- Replacement filter EFR10 (change when indicated by gauge)

Oil Type:	Mobile DTE 24 (no substitution to maintain 18-month warranty)
Pump Type:	Fixed displacement gear pump with flexible drive coupling
Pump Mounting:	Submerged in oil and C-faced to electric motor
Pump Flow:	5 GPM
Electric Motor:	5HP, 1800 RPM, 230V-460V/3P/60H
Operating Temperature:	130° F
System Relief:	Built-in two station manifold on reservoir, used to limit maximum pressure of 3000 PSI on bend cylinder
Clamp Valve:	Double solenoid directional control valve with Brad Harrison 5 pin connectors, used to move bend cylinder up, down, or stop anywhere in-between
Sequence Valve:	Stacking modular type mounted under bender directional control valve, adjustable range of 50-1500 PSI, normally set at 500 PSI, maintains minimum pressure to move clamp cylinder
Reducing Valve:	Stacking modular type mounted under clamp directional control valve, adjustable range of 25-800 PSI, normally set at 800 PSI, used to maintain maximum clamp pressure

Bender Cylinder Area:	15.9 square inches
Bender Cylinder Pressure:	3000 PSI
Bender Cylinder Force:	47,700 pounds
Bender Cylinder Stroke:	10 inches
Clamp Cylinder Area:	1.46 square inches
Clamp Cylinder Pressure:	800 PSI
Clamp Cylinder Force:	1168 pounds (2336 pounds force w/ mechanical 2-1 advantage)
Clamp Cylinder Stroke:	3 inches (1-1/2 inches with mechanical disadvantage of 2:1)
Push Button Station:	Two position lever operated selector for clamp "open" / "close" Push button for bender "up" Push button for bender "down" 12 ft electrical cord w/ 3 prong plug for 115VAC 12-amp service
Foot Switches with Guards:	One for bender "up" and one for bender "down" One assembly for both switches with separate guard on each

Pricing

Part #	Item	Price
CB2002	Centermark U-Bolt Bender (1-1/4")	Call for Pricing
CB2020	5HP Three Phase Power Unit	Included
CB2030	5HP Single Phase Power Unit	Optional
CB2070	Push Button Control Box	Included
CB3000	Free Standing Base	Included
CB2080	Remote Foot Control Guard	Optional
CB2090	Motor Starter	Optional

All Payment Terms are C.O.D.
All Prices are FOB Dayton, Ohio