

Operator's Manual for Morse Drum Lifter / Palletizer 82H Series
Serial Number 0802 to 0409 (MMYY)

A. IMPORTANT:

1. Review the Material Safety Data Sheet(s) for the material(s) in the drum(s) and take all necessary precautions. Safety shoes, work gloves, hardhat and other personal protective devices are recommended.
2. Please read all instructions thoroughly before attempting to operate your new MORSE drum handler.
3. The 82H series has a maximum capacity rating of 1000 Lb. and is designed to lift and move rimmed drums of various diameters with a minimum drum height of 28". Drums should weigh at least 75 Lb. to complete clamping action. DO NOT exceed these ratings. Exceeding these ratings or handling drums other than those mentioned above is unsafe and could result in equipment damage, excessive wear or awkward handling.
4. When loading, unloading, operating, or maintaining your MORSE drum handler, always use care and good judgment. Maintain secure footing and a firm hold. Keep hands and loose clothing away from all moving parts. Never allow anyone to be below any part of a raised drum handler or drum. Read operating instructions and review the pictures in the sales brochure before operation. Prior to initial use, inspect all moving parts. Perform necessary load test, inspections, operator training, etc.

B. OPERATING INSTRUCTIONS:

1. Roll drum lifter to drum. Steer unit so head and bottom support meet centerline of drum. Head should push into side of drum near drum top. Exact height is not critical. Jaws should arrive below drum rim. This usually corresponds to having top of head about as high as top of drum.
WARNING: Keep hands and other objects away from top opening of lifting frame.
2. To clamp drum: Operate lift function to raise head while it is held against the drum. Drum-gripping action is automatic as the head rises. This is how it works: As the head rises, the lower jaw will come up under the lip of the drum rim, "catch" under it, and be held down. As the head rises with the lower jaw thus held by the drum rim, internal linkage will pull the upper jaw downward to meet the top of the drum rim. The drum's weight on the lower jaw creates the force that pulls the upper jaw down to tightly grip the drum rim. No manual contact is required.
WARNING: Keep hands and other objects away from drum-gripping jaws.
3. With drum held off the floor, push drum lifter to deliver drum. Avoid unreasonably rough or non-level surfaces. Move at moderate speed. Carry drum only high enough to avoid contact with the floor or obstacles. Push loaded unit when possible for transporting. Pulling unit should be limited to maneuvering at short distance.
WARNING: Excessive pitching or bouncing caused by rushing over rough or non-level floors can make drum momentarily weightless, jaws can disengage.
4. To release drum at intended destination: operate control to lower drum onto level floor or pallet. When drum comes to rest and head continues to lower, weight will no longer be on the lower jaw and jaws will open automatically. No manual contact is required. Do not stop lowering as soon as drum touches down, keep going down for a few more inches. Pull unit away once upper jaw has retracted clear of drum rim. Park unit on level floor, out of traffic lanes when not in use.
5. Adjustment for Shorter Drums: The head is factory set in upper position for handling drums at least 34" tall, including typical 55-gallon drums. For handling drums as short as 28" such as typical 30 gallon drums, relocate head downward as follows: Detach head by removing nuts that hold head to lifting assembly. Reattach head at alternate location 6" lower.

CAUTION: DO NOT exceed weight capacity of 1000 Lb.
CAUTION: DO NOT allow drum to impact on floor, etc.

C. MAINTENANCE:

1. Grease wheel and caster bearings periodically.
2. Clean and oil cylinder pin & linkages periodically. (Clean & lubricate more often in environments where dust, dirt or other foreign particles will affect the performance of moving parts.)
3. Hydraulic pump has been filled with Dexron III automatic transmission fluid. Inspect the hydraulic system for oil drips, hose damage, or other signs of wear. Inspect the level & condition of the hydraulic fluid. Replace any parts that show signs of wear (see parts diagrams for pump & cylinder).
4. Periodically inspect all moving parts, framework, and contact areas for signs of wear, fatigue, or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.



The Specialist In Drum Handling Equipment

82H Series Drum Lifter / Palletizers

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ITEM	MODEL **	MODEL SUFFIX ***	QTY.	PART #	DESCRIPTION
1			1	3336-P	FRAME WELD, 82 SERIES
2			1	3612-P	HYD FIT, SAE, ADAPTER, 82
4			8	1650-P	WASHER, 5/16 SPLIT LOCK
5			2	3308-P	CASTER, SWIVEL 4", DOUBLE RACE
6			1	3613-P	HYD HOSE ASM, 19"
7			4	491-P	5/16 - 18 REV HEX LOC NUT
8			1	345-P	HYD FIT, MALE FLARE, 456, 82
9			16	1570-P	WASHER, 5/16 USS 7/8 OD
10			12	35-P	5/16 - 18 X 1 HHCS GR 2
11			1	96MK1939-P	PUMP, HYD, HAND STAR
12			2	83-P	HANDLE GRIP, 1-1/4 X 4-1/2
13 *			4	3194-P	BEARING, CHANNEL ROLLER VERT
14			4	166-P	SNAP RING, EXTERNAL, 5SSC-P 82
15			2	64-P	ROLL PIN, 3/16 X 1-1/4
16			1	8260-P	CYL CLEVIS PIN, 5/8 X 2-1/8 82
17			4	1644-P	WASHER, 1/2 SPLIT LOCK
18			2	91-P	1/2 - 13 FIN HEX NUT
19			1	3343-P	RISER WELD, 82 SERIES
20	82H		1	3360-P	LIGHT DUTY HEAD ASM, LDH 82H
20	82HM		1	3360M-P	LIGHT DUTY HEAD ASM, SR, 82HM
21			2	2172-P	1/2 - 13 X 1-1/2 HHCS GR 5
22	82H		1	3363-P	BOTTOM DRUM SUPPORT, 82H
22	82HM		1	3363M-P	BOTTOM DRUM SUPPORT, 82HM
23 *			2	705-P	PUSH-ON HUB CAP, 3/4"
24 *			2	8160-P	WHEEL, 6" DIA 3/4" BORE, 81
25		-120, -125	1	3611-P	CYLINDER, 1 X 24, SAE 82
25		-124	1	3482-P	CYLINDER, AIR, 82 AIR
	82H	-125	1	M301-P	HYD POWER PACK, -125
	82H	-125	4	1739-P	WASHER 3/8 INTERNAL TOOTH LOCK
	82H	-120, -125	1	342-P	HYD HOSE ASM, 28"
	82H	-125	1	1190-P	BATTERY BOX CPT, 400, 285A-BP
	82H	-125	1	388-P	BATTERY, 12V DC
	82H	-125	1	389-P	CHARGER, BATTERY, 110V TO 12V
	82H	-125	1	404-P	CABLE HARNESS 20", 20" -125
	82H	-125	1	403-P	BATTERY CABLE HARNESS 20", 30"
	82H	-120	1	M401-P	HYD POWER PACK, -120, -124
	82H	-120	1	1063-P	MOTOR 1HP 1PH TEFC 56C W/ CORD

* Recommended spare parts

** Unless otherwise specified, part is for 82H series, and for 82HM series with spark resistant parts.

*** If no number is shown, part is for all models. If number is shown, part is for model(s) with that suffix only.

