

HDD-55

Infinite Controlled Heated Drum Dolly For Metal Drums



GENERAL CONSIDERATIONS

Model HDD-55 is a 900 pound capacity drum dolly designed to warm **Non-Flammable, Non-Hazardous**, heat sensitive material contained within 55 gallon metal drums.

Model HDD-55 comes equipped with either a 1750 watt/120 volt or a 1920 watt/240 volt heating element encased in a 15-1/4" square, 3/4" thick aluminum cast. The dolly rolls on 3" diameter all steel swivel casters. The infinite control provides an **ON/OFF** heat pulsing action (similar to the SRX Series of Drum Heaters). The heater comes equipped with a six foot line cord and a special, electrically grounded, high amperage three pin plug. **Under no circumstance should the plug be altered or removed: your warranty will automatically be voided.** For 120 volt/1750 watt units use Hubbell Single Outlet #HBL5361. For 240 volt/1920 watt units use Hubbell Single Outlet #HBL5661.

Read all **Warnings** before using Model HDD-55. If you have difficulty operating your heated drum dolly, Model HDD-55, please contact Expo Customer Service at 708-780-7155 or Fax 708-780-7125.

Model HDD-55 is designed to heat 55 gallon **metal** drums only. HDD-55 cannot be used with plastic, plastic lined or fiber drums. **THESE HEATERS ARE NOT WATERPROOF. DO NOT LET THEM GET WET.**

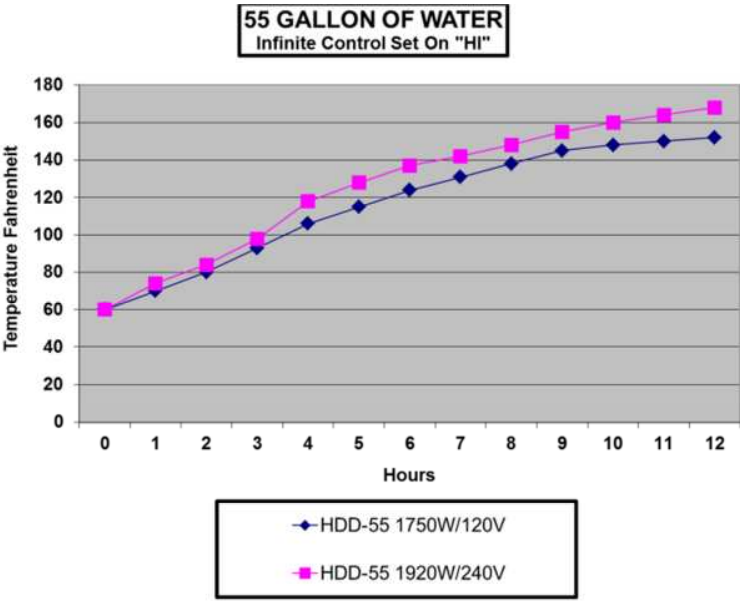
HDD-55 SPECIFICATIONS

OUTSIDE DIAMETER.....	28-1/2"
INSIDE DIAMETER.....	24"
HEIGHT.....	6"
SHIP WEIGHT.....	80 LBS
OPERATING VOLTS.....	120V AC OR 240V AC
POWER OUTPUT.....	1750W @ 120V OR 1920W @ 240V
AMPERAGE DRAW.....	14.6 amps @ 120V OR 8.0 amps @ 240V

Expo Engineered Wrap-It-Heat HDD-55 Heated Drum Dolly is U.L. Listed and C.S.A. Certified.

EXPO ENGINEERED INCORPORATED
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Heated Drum Dolly Model HDD-55



OPERATING INSTRUCTIONS

Place one 55 gallon drum of material to be heated upon the dolly using a drum lifter or similar device.

The HDD-55 is equipped with two pilot lights; one green and the other red. The **green** pilot light will glow continuously as long as the heater is plugged into an active electrical outlet. The **red** will glow only when the control is in the **ON** position and the heater is pulsating heat into the material. Energize the heater by turning the infinite control to the appropriate setting. The control will provide constant heat on the **HI** setting. Please refer to the **Ratio of On-Time** listed below.

- | | | | |
|------------------|-------------------------------|----------------|--------------------------------|
| LO = 7.9% | First dash mark: = 13% | 2 = 21% | Second dash mark: = 29% |
| 3 = 37% | Third dash mark: = 45% | 4 = 53% | Fourth dash mark: = 60% |
| 5 = 68% | Fifth dash mark: = 76% | 6 = 84% | Sixth dash mark: = 92% |
| HI = 100% | | | |



When you are heating material for the first time using a HDD-55, the material temperature should be monitored with a thermometer. Record the control setting for future reference.

The control setting you have determined for one material and set of environmental conditions may not be accurate for a different material. Please repeat entire set-up procedure with the new material to ensure that you secure the best results with the Model HDD-55.

If the platen is already **HOT** extreme care must be taken when placing the drum on the platen to avoid possible injury to the operator.

NOTE: Do not leave heater on unless the unit is attended to by you or your personnel. Do not leave heater on overnight or over the weekend unattended.

NOTE: The chart above shows temperature change vs time in hours on water.

WARNING

READ THIS WARNING BEFORE OPERATING THE HEATED DRUM DOLLY FOR METAL DRUMS!

THE FOLLOWING PRECAUTIONS MUST BE OBSERVED TO AVOID POSSIBLE INJURY OR PROPERTY DAMAGE!!

THE HEATED DRUM DOLLY **MUST NOT** BE USED IN AREA WHERE **FLAMMABLE VAPORS** MAY, **AT ANY TIME**, BE PRESENT. FAILURE TO OBSERVE THIS CAUTION CAN RESULT IN FIRE OR EXPLOSION.

MONITOR THE TEMPERATURE WHILE HEATING YOUR MATERIAL!

DO NOT USE HEATED DRUM DOLLY TO HEAT **FLAMMABLE MATERIALS**. EXPLOSION OR FIRE COULD RESULT. THE HEATED DRUM DOLLY SURFACE IS **HOT** DURING OPERATION. DO NOT USE HEATED DRUM DOLLY ON OR NEAR WHERE COMBUSTIBLE SUBSTANCES CAN BE IGNITED, RESULTING IN A FIRE.

NEVER USE THE DRUM DOLLY TO HEAT FLAMMABLE MATERIALS OR USE IN A HAZARDOUS AREA!

TO AVOID HEATER FAILURE, DO NOT ALLOW THE HEATER AND/OR CONTROLS TO BECOME WET OR SPILL UPON THEM.

THE HEATED DRUM DOLLY MUST BE **ELECTRICALLY GROUNDED** TO AVOID THE POSSIBILITY OF ELECTRICAL SHOCK TO THE OPERATOR. NEVER ALTER OR REMOVE THE SPECIAL HIGH AMPERE, THREE PIN, ELECTRICALLY GROUNDED PLUG SUPPLIED AS AN INTEGRAL PART OF THE HEATER.

THE **USER** MUST DETERMINE THE SUITABILITY OF THE HEATED DRUM DOLLY FOR THE INTENDED HEATING APPLICATION. **DO NOT LEAVE** THE HEATED DRUM DOLLY **UNATTENDED** DURING THE HEATING CYCLE. DISCONNECT THE HEATER FROM THE WALL RECEPTACLE WHEN IT IS **NOT** IN USE.

THE HEATED DRUM DOLLY IS FOR **INDOOR USE ONLY**.

REMEMBER WHEN HEATING MATERIAL FOR THE FIRST TIME IT IS SUGGESTED THAT A THERMOMETER BE USED.

VENT CONTAINER WHILE HEATING OR IT MAY EXPLODE. (OPEN VENT PLUG)

DO NOT USE DRAIN SPOUTS OR VALVES ON DRUMS THAT CAN FAIL AT ELEVATED TEMPERATURES, CAUSING LEAKS, LOSS OF MATERIAL AND/OR POSSIBLE PERSONAL INJURY TO THE OPERATOR.

MAKE ABSOLUTELY SURE THAT THE DRUM IS FULLY SEATED UPON THE DOLLY TO ENSURE EVEN HEAT!

NEVER USE A HEATED DRUM DOLLY INSIDE OR ADJACENT TO **HEAVY AIRBORNE DUST LOCATIONS** SUCH AS GRAIN ELEVATORS, GRAIN SILOS, HAY STORAGE AREAS, ETC....

KNOW HOW APPLIED HEAT WILL AFFECT YOUR MATERIAL BEFORE USING THE HEATED DRUM DOLLY. IF YOU ARE NOT SURE HOW TO HEAT YOUR MATERIAL, DO NOT USE THE HEATED DRUM DOLLY UNTIL YOU ARE INFORMED AS TO HOW THE APPLICATION OF HEAT WILL AFFECT YOUR MATERIAL.

EXPO ENGINEERED PRODUCT WARRANTY

YOUR EXPO ENGINEERED PRODUCT IS GUARANTEED AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR **ONE YEAR** FROM THE DATE OF ORIGINAL PURCHASE. THIS GUARANTEE **DOES NOT** COVER FAILURE DUE TO WATER SOAKING, SPILLAGE, ABUSE, ALTERATION TO PRODUCT OR MISAPPLICATION.

IN CASE OF FAILURE, CONTACT EXPO ENGINEERED INCORPORATED. DETERMINATION OF THE SUITABILITY OF THE GOODS DESCRIBED ON THE FACE, HEREOF, FOR THE USE CONTEMPLATED BY BUYER OR BUYER'S CUSTOMERS FOR SUCH GOODS IS THE SOLE RESPONSIBILITY OF BUYER OR BUYER'S CUSTOMERS, WHICHEVER THE CASE MAY BE. EXPO ENGINEERED SHALL HAVE NO RESPONSIBILITY IN CONNECTION, THEREWITH.

BUYER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PROPERTY OF BUYER OR OTHER, ARISING OUT OF THE USE OR POSSESSION OF THE GOODS FURNISHED, HEREUNDER.

EXPO ENGINEERED INCORPORATED WARRANTS ONLY THAT THE GOODS SUPPLIED, HEREUNDER, SHALL MEET THE DESCRIPTION OR SPECIFICATIONS STATED, HEREIN. BUYER'S EXCLUSIVE REMEDY AND EXPO ENGINEERED'S SOLE LIABILITY, HEREUNDER, SHALL BE LIMITED TO REFUND OF THE PURCHASE PRICE OF, OR REPLACEMENT OF, ALL GOODS SHOWN TO BE OTHERWISE THAN AS WARRANTED.

EXPO ENGINEERED INCORPORATED SHALL IN NO CASE BE LIABLE OTHERWISE, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, PROVIDED THAT NOTHING CONTAINED, HEREIN, SHALL LIMIT BUYER'S RIGHT TO RECOVER CONSEQUENTIAL DAMAGES FOR INJURY TO HIS PERSON WHEN THE GOODS PURCHASED ARE CONSUMER GOODS.

REFUND OR REPLACEMENT IS CONDITIONAL UPON GIVING EXPO ENGINEERED INCORPORATED NOTICE WITHIN **ONE YEAR** FROM DATE OF SHIPMENT BY EXPO ENGINEERED INCORPORATED THAT SAID GOODS ARE OTHERWISE THAN AS WARRANTED. FAILURE BY BUYER TO GIVE SAID NOTICE WITHIN SAID **ONE YEAR** PERIOD SHALL CONSTITUTE WAIVER BY BUYER OF ALL CLAIMS, HEREUNDER, WITH RESPECT TO SAID GOODS.

IF REQUESTED BY EXPO ENGINEERED INCORPORATED, BUYER SHALL PROMPTLY RETURN TO EXPO ENGINEERED'S PLANT ALL UNCONSUMED GOODS ALLEGED BY BUYER TO BE OTHERWISE THAN AS WARRANTED AND EXPO ENGINEERED INCORPORATED WILL PAY FREIGHT THEREON.

THE WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR UNWRITTEN EXPRESS OR IMPLIED WARRANTIES AND EXPO ENGINEERED HEREBY EXPRESSLY DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY AGAINST INFRINGEMENT OF MERCHANTABILITY OR FITNESS FOR PURPOSE OF THE GOODS SUPPLIED, HEREUNDER, ALL SAID GOODS BEING SUPPLIED "AS IS".

IN THE UNLIKELY EVENT THAT A PROBLEM SHOULD ARISE THROUGH THE USE OF YOUR EXPO ENGINEERED HEAT PRODUCT, PLEASE CONTACT THE CUSTOMER SERVICE DEPARTMENT AT EXPO ENGINEERED INCORPORATED BY DIALING 708-780-7155 OR FAX 708-780-7125.

PLEASE REFER TO THE **WARNINGS** AND THE **OPERATING INSTRUCTIONS** ACCOMPANYING THIS WARRANTY BEFORE OPERATING YOUR NEW EXPO ENGINEERED PRODUCT.

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