

2003 Doubl-Kold, Inc. Portable Hydro Chiller with Conveyor System

Mfg: Doubl-Kold, Inc.

Model:

Stock No: SSFF0144.400

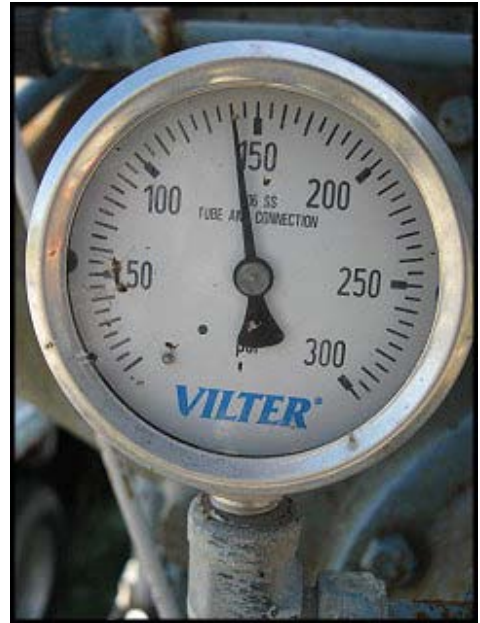
Serial No:

2003 Doubl-Kold, Inc. Portable Hydro Chiller with Conveyor System. Chiller system includes: Baltimore Aircoil Company evaporative condenser: model VCL-148-L, serial no. U040220901MAD, (rated at 105 nominal ammonia tons), Baltimore Aircoil Company cooling coil bank, model HCC-733, serial no. U040220904MAD with Morfab Company, Inc. double entry surge drum serial no. 11197, Natl. Bd. 10197, MAWP: 250 psi @ 300°F, MDMT: -20°F at 250 psi, Vilter reciprocating compressor package model: VMC 450 XL, serial no. 66868, order no. K55522 with Standard Refrigeration Co. surge drum, serial no. & Natl. Bd.. no. 436876, 125 hp, MAWP 300 psi at 400°F, MDMT: -20°F at 300 psi, all mounted on a Fruehauf trailer: model: PAA-NF-25-45N. Approximate overall dimensions of hydro chiller package: 45 ft. 11 in. L x 8 ft. W x 13 ft. 11 in. H. Conveyor system includes (2) 33 ft. x 24 in. wide product belts, washing station and cooling station (1136 sq. ft.), upper deck 2 ft. wide catwalk with 39 in. high safety rail, Berkley pump: model: B3ZPMS, serial no. 21E90G. Baldor motor: 5 hp, 1725 rpm, 208-230/460V, 60 Hz, 3 phase. Berkley pump: model: B6ZPHS, serial no. G100590. Baldor motor: 5 hp, 1725 rpm, 208-230/460V, 60 Hz, 3 phase. Deming centrifugal pump. Arrow Hart® manual motor controllers. Siemens controls: Safety switch: cat. no. HF364R, type VBII, 600 DC volts, NEMA 3R, rainproof. This system was designed to cool circulating water used for peas, lima beans, and garbanzo beans as they were picked from the field at approximate in and out temperatures of 105°F to 35°F at about 15,000 pounds per hour for one side(both sides were never operated). The capacity of the hydro cooler is approximately 115,000 tons. Run time was 36 hours on per day with 4 hours down time enabling cleaning of tanks. Estimated amp draw at full load 460 volts 100 amps on conveyer section and 275 amps on refrigeration section. Approximate overall dimensions of conveyor system: 58 ft. 2 in. L x 10 ft. 10 in. W x 14 ft. 1 in. H.













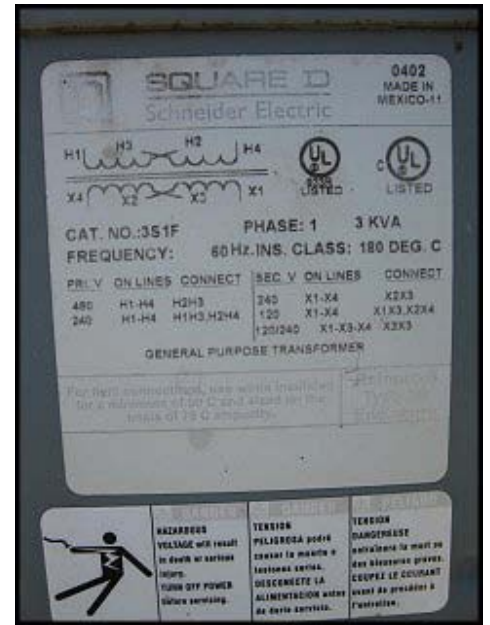
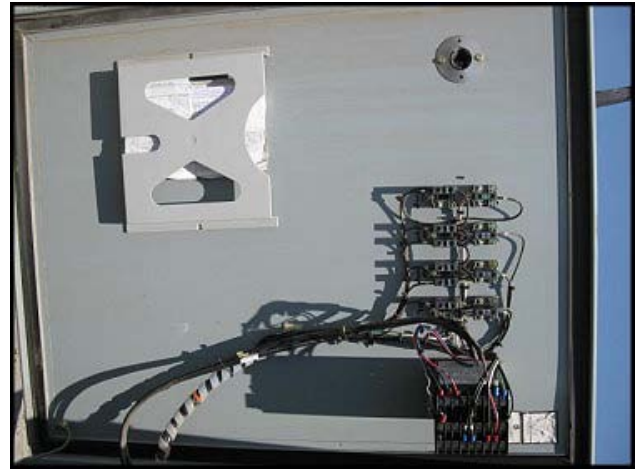
Baltimore Aircoil Company P.O. BOX 960
MADERA, CA 93639
(559) 673-9231

B.A.C. MOD. #VCL-148-L
SER. #U040220901MAD
BELT #2B140

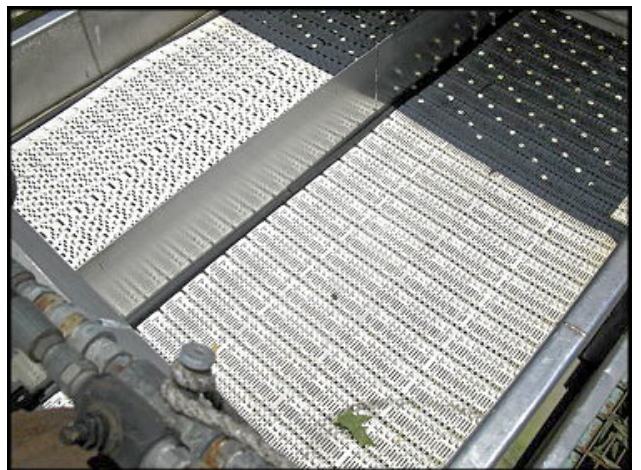
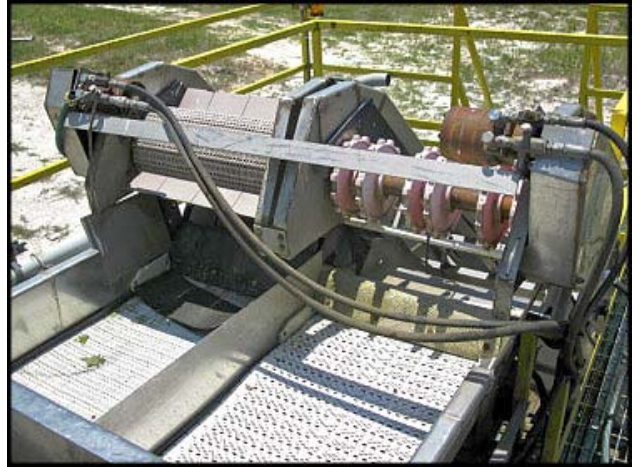
270047 REV. L

BALL BEARING LUBRICATING INSTRUCTIONS

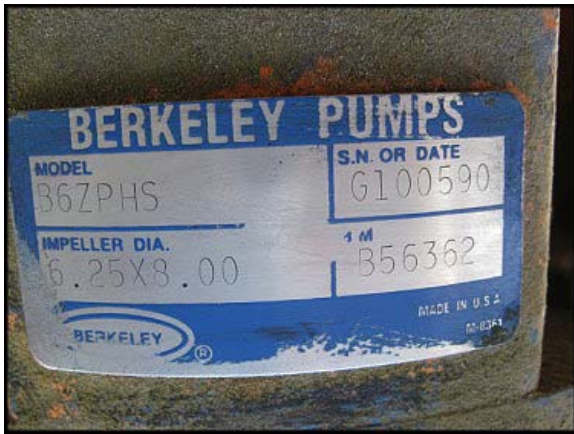
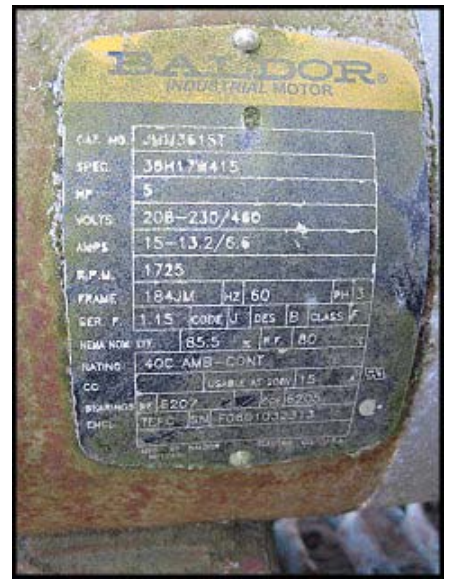
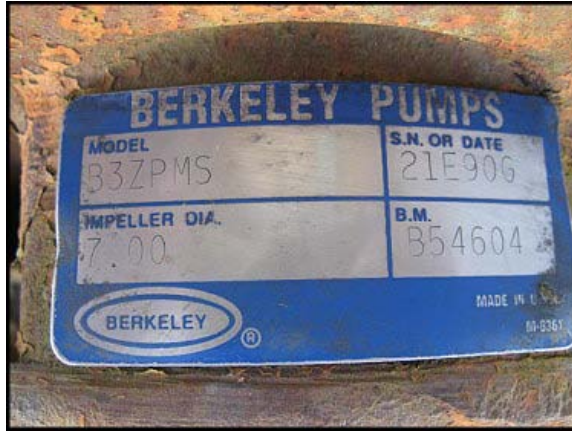




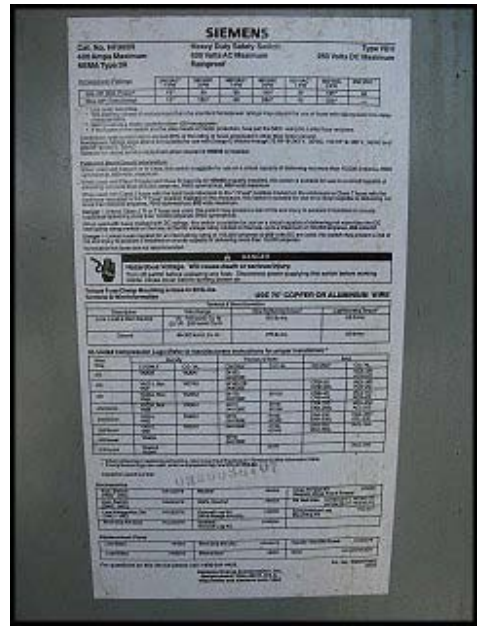












SIEMENS

Cat. No. HF364R **Heavy Duty Safety Switch** **Type VB II**
200 Amps Maximum **600 Volts AC Maximum 50/60 Hz** **600 Volts DC Maximum**
NEMA Type 3R **Rainproof**

Subtable for use as Service Equipment

Horsepower Ratings	240 VAC 1PH	240 VAC 3PH	480 VAC 3PH	600 VAC 3PH	600 VDC ¹	660 VDC ²
Std. HP (Std. Fuses) ¹	15	25	50	60	40	50
Max. HP (Time Delay)	—	60	125*	153*	—	—

¹ Use outer two poles.
² This starting current of motors more than the standard horsepower ratings may require the use of fuses with appropriate time delay characteristics.
 * Not for use as a motor controller over 100 horsepower.
 Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.
 Horsepower ratings listed also apply to Design E Motors with no derating.
 For service equipment applications install neutral MHNW4.

Fuse and Short Circuit Information
 When used with Class K or H fuses, this switch is suitable for use on a circuit capable of delivering not more than 10,000 amperes, RMS symmetrical, 600 volts, maximum.
 When used with Class R fuses and Class R fuse clip kit HNF64 properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.
 When used with Class J fuses with the load base relocated to the HNF64 properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.
 When used with Class J fuses with the load base relocated to the "J" Fuse² position marked on the enclosure or Class T fuses with the load base relocated to the "T" Fuse² position marked on the enclosure, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.
 When used with fuses marked with DC ratings, this switch is suitable for use on a circuit capable of delivering not more than the DC ampere rating marked on the fuse, up to a maximum of 100,000 amperes, 600 volts DC.
 When used with fuses marked with DC ratings, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.
 Danger—Unless Class J, R or T fuses are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.
 When used with fuses marked with DC ratings, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.

SIEMENS

Cat. No. HF365R **Heavy Duty Safety Switch** **Type VB II**
400 Amps Maximum **600 Volts AC Maximum** **250 Volts DC Maximum**
NEMA Type 3R **Rainproof**

Horsepower Ratings	240 VAC 1 PH	240 VAC 3 PH	480 VAC 3 PH	600 VAC 3 PH	600 VDC ¹	660 VDC ²
Std. HP (Std. Fuses) ¹	15*	25	50	60	40	50
Max. HP (Time Delay)	15*	125*	25	250*	30	350*

¹ Use outer two poles.
² This starting current of motors more than the standard horsepower ratings may require the use of fuses with appropriate time delay characteristics.
 * Not for use as a motor controller over 100 horsepower.
 Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.
 Horsepower ratings listed above are suitable for use with Design E Motors through 75 HP @ 240 V, 3Ø AC, 150 HP @ 480 V, 3Ø AC and 250 HP @ 600 V, 3Ø AC.
 Suitable for use as service equipment when neutral kit HNF68 is installed.

Fuse and Short Circuit Information
 When used with Class K or H fuses, this switch is suitable for use on a circuit capable of delivering not more than 10,000 amperes, RMS symmetrical, 600 volts, maximum.
 When used with Class R fuses and Class R fuse clip kit HNF64 properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.
 When used with Class J fuses with the load base relocated to the "J" Fuse² position marked on the enclosure or Class T fuses with the load base relocated to the "T" Fuse² position marked on the enclosure, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.
 When used with fuses marked with DC ratings, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.
 Danger—Unless Class J, R or T fuses are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.
 When used with fuses marked with DC ratings, this switch is suitable for use on a circuit capable of delivering not more than the DC ampere rating marked on the fuse, up to a maximum of 100,000 amperes, 250 volts DC.
 Danger—Unless Class J, R or T fuses are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.
 When used with fuses marked with DC ratings, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.

⚠ DANGER
 Hazardous Voltage. Will cause death or serious injury.
 Turn off switch before installing any fuses. Disconnect power supplying the switch before working inside. Close cover before turning power on.
 Torque Fuse Clamp Mounting screws to 50 ft.-lbs.
 Terminate & Wire Wires/Buses
USE 75 COPPER OR ALUMINIUM WIRE

