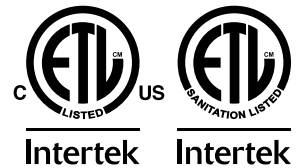




Milk Cooler
Model RE-CN-0034-HC
Item 50101
Instruction Manual



Revised - 09/25/2023



Toll Free: 1-800-465-0234
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Email: service@omcan.com
www.omcan.com



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Disclaimer

OMCAN IS NOT RESPONSIBLE FOR ANY DAMAGES DUE TO WATER LEAKS. WARRANTY FOR WATER LEAKS IS VOID IF THE AMBIENT ROOM TEMPERATURE EXCEEDS 75°F AND 55% RELATIVE HUMIDITY, AND THE APPLIANCE DRAIN IS NOT CONNECTED DIRECTLY TO A FLOOR DRAIN.

OMCAN N'EST PAS RESPONSABLE DES DOMMAGES DUS AUX FUITES D'EAU. LA GARANTIE POUR LES FUITES D'EAU EST ANNULÉE SI LA TEMPÉRATURE AMBIANTE DE LA PIÈCE DÉPASSE 75°F ET 55% D'HUMIDITÉ RELATIVE, ET SI LE DRAIN DE L'APPAREIL N'EST PAS RACCORDÉ DIRECTEMENT À UN DRAIN DE PLANCHER.

OMCAN NO SE HACE RESPONSABLE DE LOS DAÑOS CAUSADOS POR FUGAS DE AGUA. LA GARANTÍA POR FUGAS DE AGUA QUEDA ANULADA SI LA TEMPERATURA AMBIENTE SUPERA LOS 75°F Y EL 55% DE HUMEDAD RELATIVA, Y EL DESAGÜE DEL APARATO NO ESTÁ CONECTADO DIRECTAMENTE A UN DESAGÜE DE PISO.

General Information

Omcan Manufacturing and Distributing Company Inc., Food Machinery of America, Inc. dba Omcan and Omcan Inc. are not responsible for any harm or injury caused due to any person's improper or negligent use of this equipment. The product shall only be operated by someone over the age of 18, of sound mind, and not under the influence of any drugs or alcohol, who has been trained in the correct operation of this machine, and is wearing authorized, proper safety clothing. Any modification to the machine voids any warranty, and may cause harm to individuals using the machine or in the vicinity of the machine while in operation.

CHECK PACKAGE UPON ARRIVAL

Upon receipt of an Omcan shipment please inspect for external damage. If no damage is evident on the external packaging, open carton to ensure all ordered items are within the box, and there is no concealed damage to the machine. If the package has suffered rough handling, bumps or damage (visible or concealed), please note it on the bill of lading before accepting the delivery and contact Omcan within 24 hours, so we may initiate a claim with the carrier. A detailed report on the extent of the damage caused to the machine must be filled out within three days, from the delivery date shown in the shipping documents. Omcan has no recourse for damaged products that were shipped collect or third party.

Before operating any equipment, always read and familiarize yourself with all operation and safety instructions.

Omcan would like to thank you for purchasing this machine. It's of the utmost importance to save these instructions for future reference. Also save the original box and packaging for shipping the equipment if servicing or returning of the machine is required.

Omcan Fabrication et distribution Compañie Limité et Food Machinery d'Amerique, dba Omcan et Omcan Inc. ne sont pas responsables de tout dommage ou blessure causé du fait que toute personne ait utilisé cet équipement de façon irrégulière. Le produit ne doit être exploité que par quelqu'un de plus de 18 ans, saine d'esprit, et pas sous l'influence d'une drogue ou d'acohol, qui a été formé pour utiliser cette machine correctement, et est vêtu de vêtements de sécurité approprié. Toute modification de la machine annule toute garantie, et peut causer un préjudice à des personnes utilisant la machine ou des personnes à proximité de la machine pendant son fonctionnement.

VÉRIFIEZ LE COLIS DÈS RÉCEPTION

Dès réception d'une expédition d'Omcan veuillez inspecter pour dommages externes. Si aucun dommage n'est visible sur l'emballage externe, ouvrez le carton afin de s'assurer que tous les éléments commandés sont dans la boîte, et il n'y a aucun dommage dissimulé à la machine. Si le colis n'a subi aucune mauvaises manipulations, de bosses ou de dommages (visible ou cachée), notez-le sur le bond de livraison avant d'accepter la livraison et contactez Omcan dans les 24 heures qui suivent, pour que nous puissions engager une réclamation auprès du transporteur. Un rapport détaillé sur l'étendue des dommages causés à la machine doit être rempli dans un délai de trois jours, à compter de la date de livraison indiquée dans les documents d'expédition. Omcan n'a aucun droit de recours pour les produits endommagés qui ont été expédiées ou cueilli par un tiers transporteur.



General Information

Avant d'utiliser n'importe quel équipement, toujours lire et vous familiariser avec toutes les opérations et les consignes de sécurité.

Omcan voudrais vous remercier d'avoir choisi cette machine. Il est primordial de conserver ces instructions pour une référence ultérieure. Également conservez la boîte originale et l'emballage pour l'expédition de l'équipement si l'entretien ou le retour de la machine est nécessaire.

Omcan Empresa De Fabricacion Y Distribucion Inc. Y Maquinaria De Alimentos De America, Inc. dba Omcan y Omcan Inc. no son responsables de ningun daño o perjuicio causado por cualquier persona inadecuada o el uso descuidado de este equipo. El producto solo podra ser operado por una persona mayor de 18 años, en su sano juicio y no bajo alguna influencia de droga o alcohol, y que este ha sido entrenado en el correcto funcionamiento de esta máquina, y ésta usando ropa apropiada y autorizada. Cualquier modificación a la máquina anula la garantía y puede causar daños a las personas usando la máquina mientras esta en el funcionamiento.

REVISE EL PAQUETE A SU LLEGADA

Tras la recepcion de un envio Omcan favor inspeccionar daños externos. Si no hay daños evidentes en el empaque exterior, Habra el carton para asegurarse que todos los articulos solicitados estén dentro de la caja y no encuentre daños ocultos en la máquina. Si el paquete ha sufrido un manejo de poco cuidado, golpes o daños (visible o oculto) por favor anote en la factura antes de aceptar la entrega y contacte Omcan dentro de las 24 horas, de modo que podamos iniciar una reclamación con la compañía. Un informe detallado sobre los daños causados a la máquina debe ser llenado en el plazo de tres días, desde la fecha de entrega que se muestra en los documentos de envío. Omcan no tiene ningun recurso por productos dañados que se enviaron a recoger por terceros.

Antes de utilizar cualquier equipo, siempre leer y familiarizarse con todas las instrucciones de operación y seguridad.

Omcan quisiera darles las gracias por la compra de esta máquina. Es de la máxima importancia para guardar estas instrucciones para referencias en el futuro. También guarde la caja original y el embalaje para envío del equipo si el mantenimiento o la devolución de la máquina es necesaria.

Safety and Warranty

RESIDENTIAL USERS: vendor assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications. The right is reserved to deny shipment for residential usage; if this occurs, you will be notified as soon as possible.

1 YEAR PARTS AND LABOR BENCH WARRANTY

Safety and Warranty

Within the warranty period, contact Omcan Inc. at 1-800-465-0234 to schedule a drop off to either an Omcan authorized service depot in the area, or to an Omcan Service warehouse to repair the equipment.

Unauthorized maintenance will void the warranty. Warranty covers electrical and part failures, not improper use.

Please see <https://omcan.com/disclaimer> for complete info.

WARNING:

The packaging components are classified as normal solid urban waste and can therefore be disposed of without difficulty.

In any case, for suitable recycling, we suggest disposing of the products separately (differentiated waste) according to the current norms.

DO NOT DISCARD ANY PACKAGING MATERIALS IN THE ENVIRONMENT!



Technical Specifications

Model	RE-CN-0034-HC
Temperature Range	0.5 - 4.4°C / 33 - 40°F
Max Ambient Temp Rating	24°C / 75°F
Power	240 W
Refrigerant	R290
Isolation Material	Cyclopentane
Cooling System	Direct
Defrosting	Automatic
Type of Controller	Digital
Self-Closing Door	Yes
Current	2.28A
Number of Doors	1
Number of Shelves	2
Shelf Material	Plastic Coated
Shelf Loading Capacity	200 lbs. / 90.7 kgs.
Electrical	110-120V / 60Hz / 1
Interior Dimensions	30.9" x 27" x 25.8" / 784 x 685 x 655mm
Dimensions	34" x 30.6" x 41.4" / 864 x 778 x 1052mm
Packaging Dimensions	35.2" x 31.3" x 45.3" / 895 x 795 x 1150mm
Net Volume	350 L / 12.4 cu.ft.
Weight	198.4 lbs. / 90 kgs.
Packaging Weight	242.5 lbs. / 110 kgs.
Item Number	50101

Installation

GENERAL

Care should be taken to remove the skid, so that they will not damage the cooler finish. Do not tip cabinet to install casters or legs. Insure that the casters or legs are screwed all the way into the base.

LOCATION

The self contained refrigeration system located at the bottom of the cabinet requires free air access for proper operation. The back of the cabinet may be positioned against a wall, however, there must be a minimum four inch clearance between the sides and a wall. It is necessary to properly level cooler to provide adequate drainage and efficient functioning of the unit.

Installation

ELECTRICAL

Check the proposed outlet to be used to insure that the voltage, phase, and current carrying capacity of the circuit from the electrical panel correspond to the requirements of the cabinet. Plug all standard models into a 110 volts A.C.60 cycle outlet. NEVER use an extension cord to power any unit. All inter wiring between the electrical panel and the unit must be done in accordance with the National Electric Code and all state and local codes. Refer to the Serial Tag for all pertinent electrical information.

Observe all warning labels. Disconnect power supply to eliminate injury from electrical shock or moving parts when servicing equipment.

Operation

The milk coolers are cooled entirely by convection as a result of copper coils completely encircling the perimeter of the storage compartment. During the refrigeration process, heat is removed through the evaporator tubing and expelled through the condensing unit. It is important that the flow of air through the side louvers is not restricted in order to ensure the condensing unit operates properly. Under normal operating conditions, any frost that might accumulate on the walls during the “on” cycle of the condensing unit may melt during the “off” cycle. Drains are installed in all milk coolers to accommodate melting frost. The refrigeration system on this cabinet uses a temperature thermostat that senses the cut-in and cut-out temperatures of the cold wall evaporator coil. The temperature can be adjusted by turning the thermostat control knob which is located behind the louvered side panel.

Maintenance

PERIODIC CLEANING

Beginning with the initial installation, the interior surfaces of the cabinet should be periodically wiped down with a solution of warm water and baking soda. This solution will remove any odors from spillage that has occurred. The exterior of the cabinet should also be cleaned frequently with a commercial grade glass cleaner or with mild soap and water. Never, under any circumstances, use an abrasive cleaner or alkaline solution.

Monthly cleaning of the condenser will aid the heat transfer characteristics of the refrigeration system and increase its efficiency. To accomplish this, remove the louvered panel from the cabinet and use a wire brush to loosen any dirt particles that are attached to the fins. After this is accomplished, use a vacuum cleaner to remove the loosened particles.

Troubleshooting

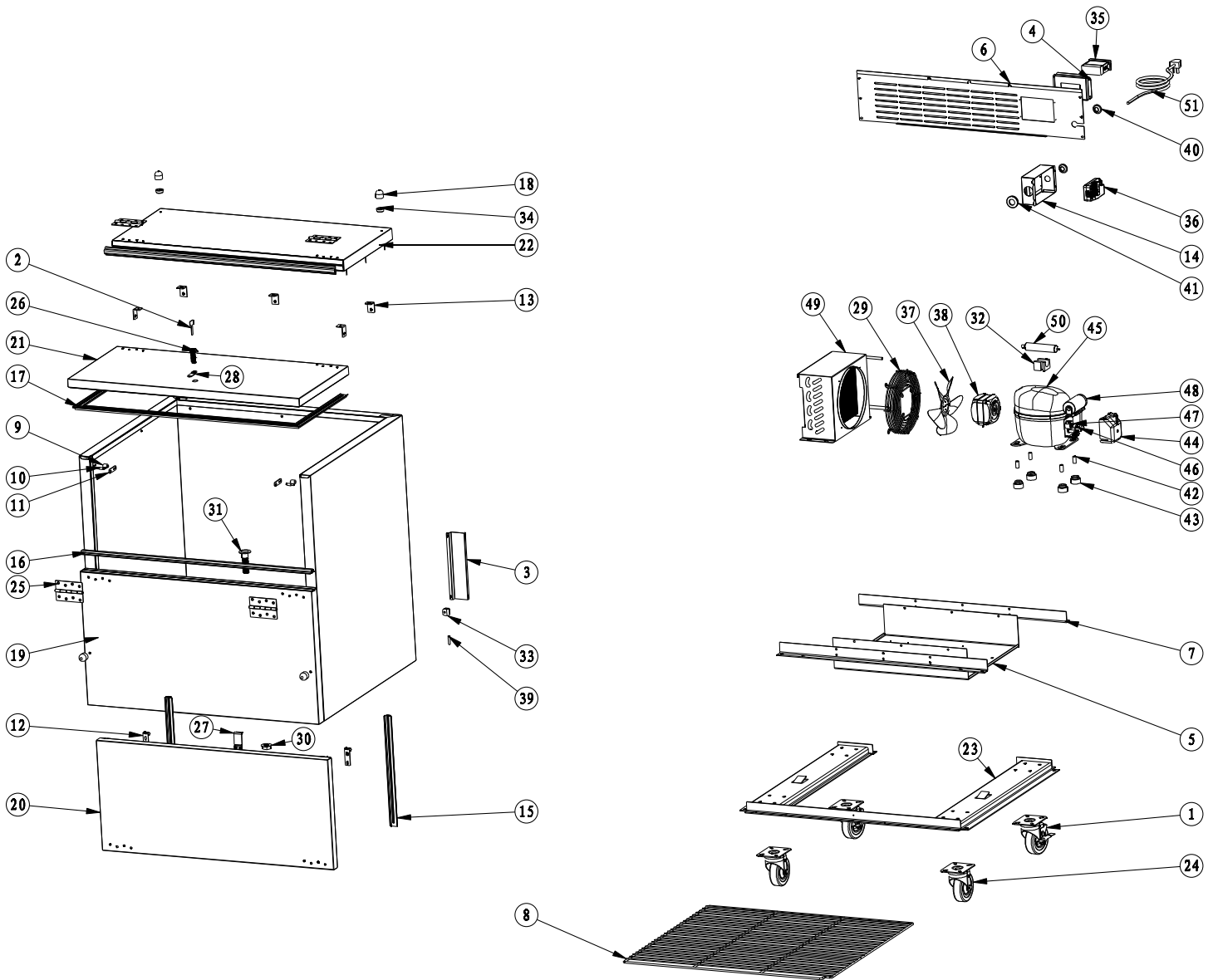
MALFUNCTION	POSSIBLE CAUSE	SOLUTION
Compressor will not start, no hum.	Service cord unplugged.	Plug in service cord.
	Fuse blown or removed.	Replace fuse.
	Overload tripped.	Determine reasons and correct.
	Control stuck open.	Repair or replace.
	Wiring incorrect.	Check wiring against the diagram.
Compressor will not start, hums but trips on overload protector.	Improperly wired.	Check wiring against the diagram.
	Low voltage to unit.	Determine reason and correct.
	Starting capacitor defective.	Determine reason and replace.
	Relay failing to close.	Determine reason, correct or replace.
Compressor starts and runs, but short cycles on overload protector.	Low voltage to unit.	Determine reason and correct.
	Overload defective.	Check current, replace overload protector.
	Excessive head pressure.	Check ventilation or restriction in refrigeration system.
	Compressor hot-return gas hot.	Check refrigerant charge, fix leak if necessary.
Compressor operates long or continuously.	Short of refrigerant.	Fix leak, add charge.
	Control contact stuck.	Repair or replace.
	Evaporator coil iced.	Determine cause, defrost manually.
	Restriction in refrigeration system.	Determine location and remove restriction.
	Dirty condenser.	Clean condenser.
Compressor runs fine, but short cycles.	Overload protector.	Check wiring diagram.
	Cold control.	Differential too close - widen.
	Overcharge.	Reduce charge.
	Air in system.	Purge and recharge.
	Undercharge.	Fix leak, add refrigerant.
Starting capacitor open, shorted or blown.	Relay contacts stuck.	Clean contacts or replace relay.
	Low voltage to unit.	Determine reason and correct.
	Improper relay.	Replace.
Relay defective or burned out.	Incorrect relay.	Check and replace.
	Voltage too high or too low.	Determine reason and correct.

Troubleshooting

Refrigerated space too warm.	Control setting too high.	Reset control.
	Refrigerant overcharge.	Purge refrigerant.
	Dirty condenser.	Clean condenser.
	Evaporator coil iced.	Determine reason and defrost.
	Not operating.	Determine reason, replace if necessary
Standard temperature system freezes the product.	Control setting is too low.	Reset the control.
	Control points stuck.	Replace the control.
Objectionable noise.	Fan blade hitting fan shroud.	Reform or cut away small section of shroud.
	Tubing rattle.	Locate and reform.
	Vibrating fan blade.	Replace fan blade.
	Condenser fan motor rattles.	Check motor bracket mounting, tighten.
	General vibration.	Compressor suspension bolts not loosened on applicable models - loosen them.
	Worn fan motor bearings.	Replace fan motor.
Pan Area.	No cooling.	Make sure switch is in the "on" position.
	Too cold.	Adjust temperature control.
	Too warm.	Adjust temperature control.

Parts Breakdown

Model RE-CN-0034-HC 50101



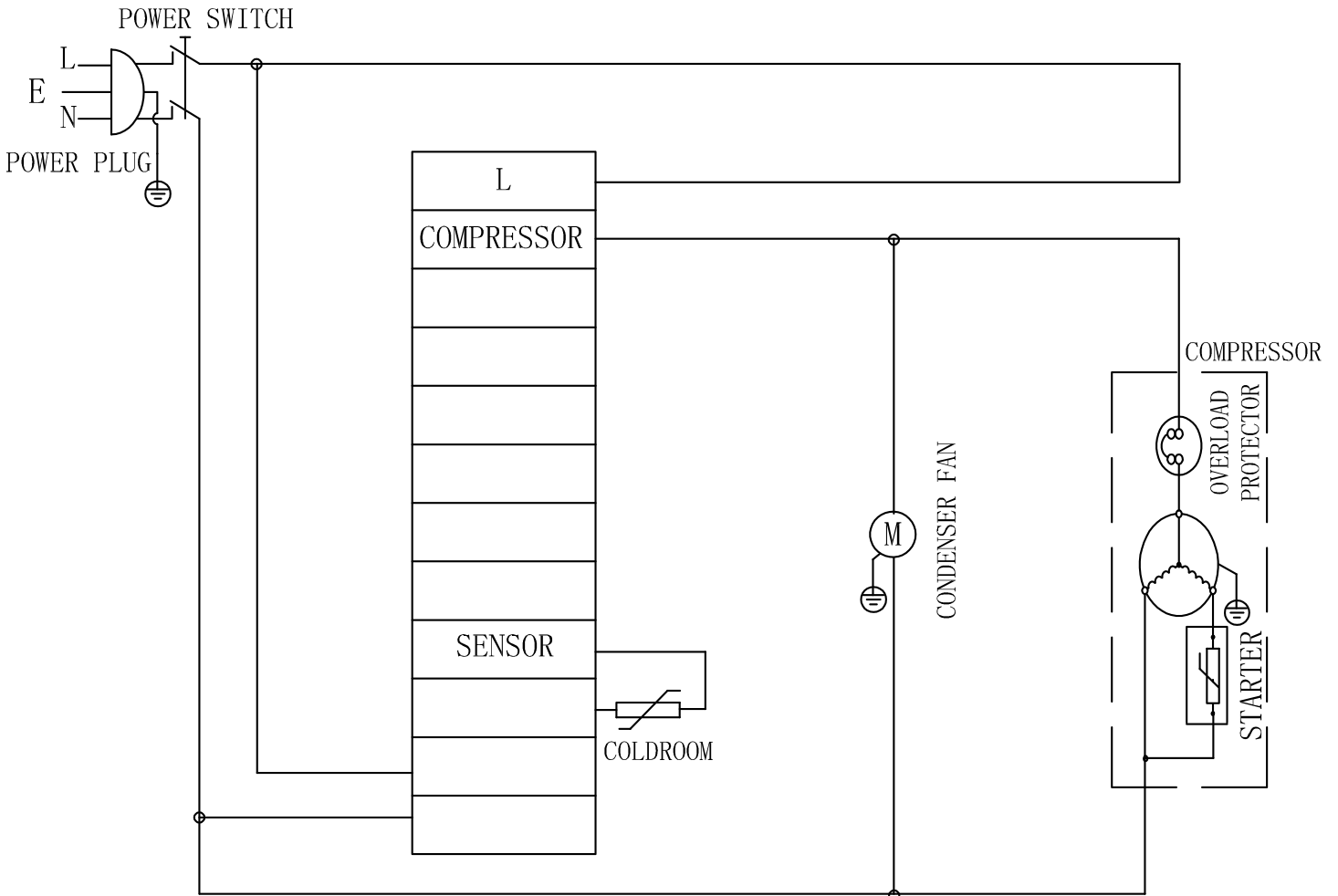
Parts Breakdown

Model RE-CN-0034-HC 50101

Item No.	Description	Position	Item No.	Description	Position	Item No.	Description	Position
26246	Caster with Brake for 50101	1	AO099	Front Door Gasket - Bottom for 50101	16	AB595	Filter Fixer for 50101	32
AO085	Key for 50101	2	AO100	Upper Door Gasket for 50101	17	AN135	Fixer for Probe for 50101	33
AO086	Cover Board for Temp Sensor for 50101	3	AA192	Back Limit Block for 50101	18	AO111	Limited Block Rubber Plate for 50101	34
AO087	Thermostat Mounting Plate for 50101	4	AO101	Front Door for 50101	20	AA123	Carel Controller PYGX1Z0502 for 50101	35
AO088	Compressor Mounting Plate for 50101	5	AO102	Upper Door for 50101	21	AO112	Wiring Box for 50101	36
AO089	Grill for 50101	6	AO103	Top Board for 50101	22	AA962	Blade of Evaporator Fan Motor for 50101	37
AO090	Compressor Mounting Bar for 50101	7	AO104	Caster Mounting Component for 50101	23	AN216	Condenser Fan Motor for 50101	38
AO091	Shelf for 50101	8	26247	Caster without Brake for 50101	24	AA121	Temperature Sensor of Cabinet Inside for 50101	39
AO092	Hook Axis Cover for 50101	9	AO105	Hinge for 50101	25	AO113	Wiring Protector 25 for 50101	40
AO093	Hook Axis for 50101	10	AO106	Lock for 50101	26	AA794	Power Cord Cover for 50101	41
AO094	Hook for 50101	11	AO107	Lock Catch for 50101	27	64167	Compressor R290 for 50101	45
AO095	Hook Button for 50101	12	AO108	Spring Bolt for 50101	28	AO114	Condenser for 50101	49
AO096	Top Board Connector for 50101	13	AO109	Condenser Fan Motor Cover for 50101	29	AA371	Filter for 50101	50
AO097	Wiring Cover for 50101	14	AA686	Plastic Drain Pipe with Fixer for 50101	30	AA135	Power Cord for 50101	51
AO098	Front Door Gasket - Side for 50101	15	AO110	Drain Pipe for 50101	31			

Electrical Schematics

Model RE-CN-0034-HC 50101



NEMA
5 - 15P
125VAC / 15 AMP



Warranty Registration

Thank you for purchasing an Omcan product. To register your warranty for this product, complete the information below, tear off the card at the perforation and then send to the address specified below. You can also register online by visiting:

Merci d'avoir acheté un produit Omcan. Pour enregistrer votre garantie pour ce produit, complétez les informations ci-dessous, détachez la carte au niveau de la perforation, puis l'envoyer à l'adresse spécifiée ci-dessous. Vous pouvez également vous inscrire en ligne en visitant:

Gracias por comprar un producto Omcan usted. Para registrar su garantía para este producto, complete la información a continuación, cortar la tarjeta en la perforación y luego enviarlo a la dirección indicada a continuación. También puede registrarse en línea en:

<https://omcan.com/warranty-registration/>

For mailing in Canada

Pour postale au Canada

Por correo en Canadá

OMCAN

PRODUCT WARRANTY REGISTRATION

3115 Pepper Mill Court,

Mississauga, Ontario

Canada, L5L 4X5

For mailing in the US

Pour diffusion aux États-Unis

Por correo en los EE.UU.

OMCAN

PRODUCT WARRANTY REGISTRATION

4450 Witmer Industrial Estates, Unit 4,

Niagara Falls, New York

USA, 14305

or email to: service@omcan.com



Purchaser's Information

Name: _____

Address: _____

City: _____ Province or State: _____ Postal or Zip: _____

Country: _____

Dealer from which Purchased: _____

Dealer City: _____ Dealer Province or State: _____

Invoice: _____

Model Name: _____ Model Number: _____

Machine Description: _____

Date of Purchase (MM/DD/YYYY): _____

Would you like to extend the warranty? Yes No

Company Name: _____

Telephone: _____

Email Address: _____

Type of Company:

Restaurant Bakery Deli

Butcher Supermarket Caterer

Institution (specify): _____

Other (specify): _____

Serial Number: _____

Date of Installation (MM/DD/YYYY): _____

Thank you for choosing Omcan | Merci d'avoir choisi Omcan | Gracias por elegir Omcan



Since 1951 Omcan has grown to become a leading distributor of equipment and supplies to the North American food service industry. Our success over these many years can be attributed to our commitment to strengthen and develop new and existing relationships with our valued customers and manufacturers. Today with partners in North America, Europe, Asia and South America, we continually work to improve and grow the company. We strive to offer customers exceptional value through our qualified local sales and service representatives who provide convenient access to over 6,500 globally sourced products.

Depuis 1951 Omcan a grandi pour devenir un des “leaders” de la distribution des équipements et matériel pour l’industrie des services alimentaires en Amérique du Nord. Notre succès au cours de ces nombreuses années peut être attribué à notre engagement à renforcer et à développer de nouvelles et existantes relations avec nos clients et les fabricants de valeur. Aujourd’hui avec des partenaires en Amérique du Nord, Europe, Asie et Amérique du Sud, nous travaillons continuellement à améliorer et développer l’entreprise. Nous nous efforçons d’offrir à nos clients une valeur exceptionnelle grâce à nos ventes locales qualifiées et des représentants de service qui offrent un accès facile à plus de 6500 produits provenant du monde entier.

Desde 1951 Omcan ha crecido hasta convertirse en un líder en la distribución de equipos y suministros de alimentos en América del Norte industria de servicios. Nuestro éxito en estos años se puede atribuir a nuestro compromiso de fortalecer y desarrollar nuevas relaciones existentes con nuestros valiosos clientes y fabricantes. Hoy con socios de América del Norte, Europa, Asia y América del Sur, que trabajan continuamente para mejorar y crecer la empresa. Nos esforzamos por ofrecer a nuestros clientes valor excepcional a través de nuestro local de ventas y representantes de los servicios que proporcionan un fácil acceso a más de 6,500 productos con origen a nivel mundial.

