Slush-Drink Machine

DONPER

Operating Instruction

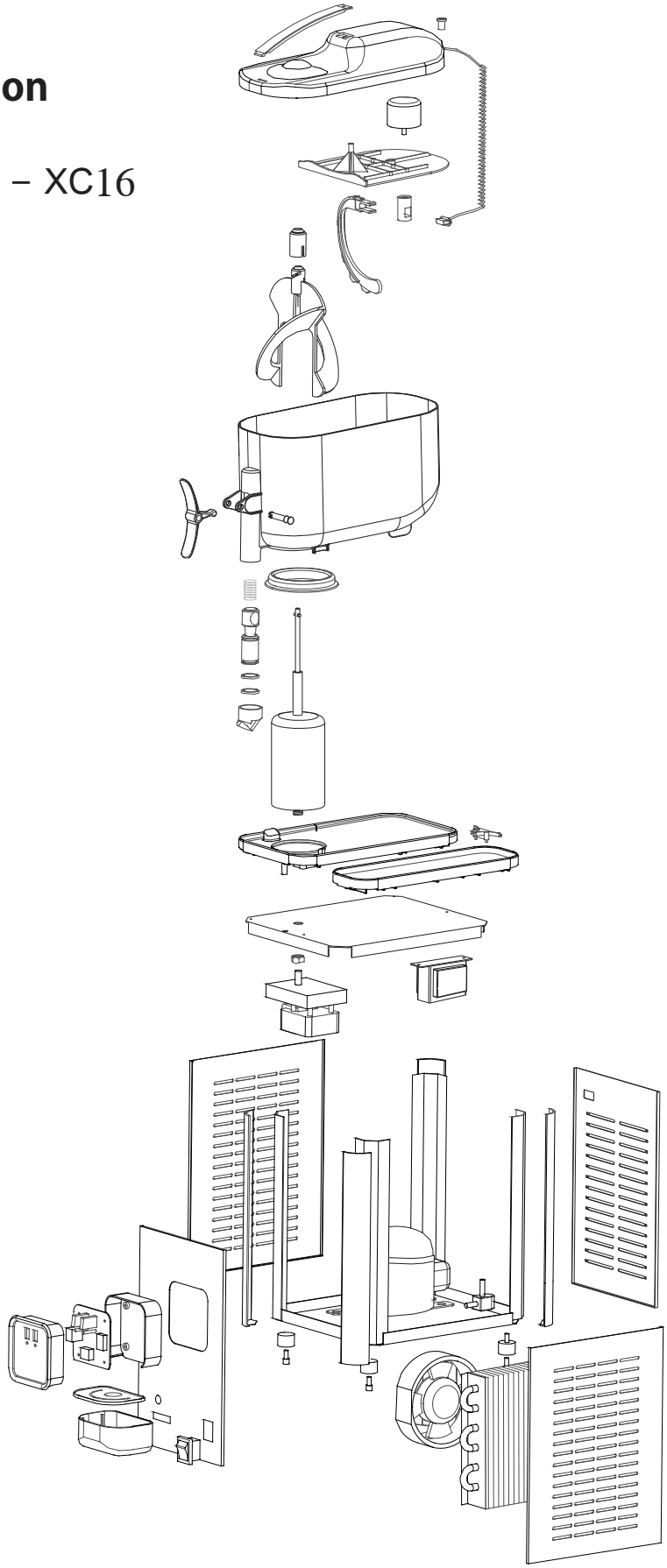
MINI Series Slush-Drink Machine

HUANGSHI DONGBEI PEFRIGERATION CO.,LTD

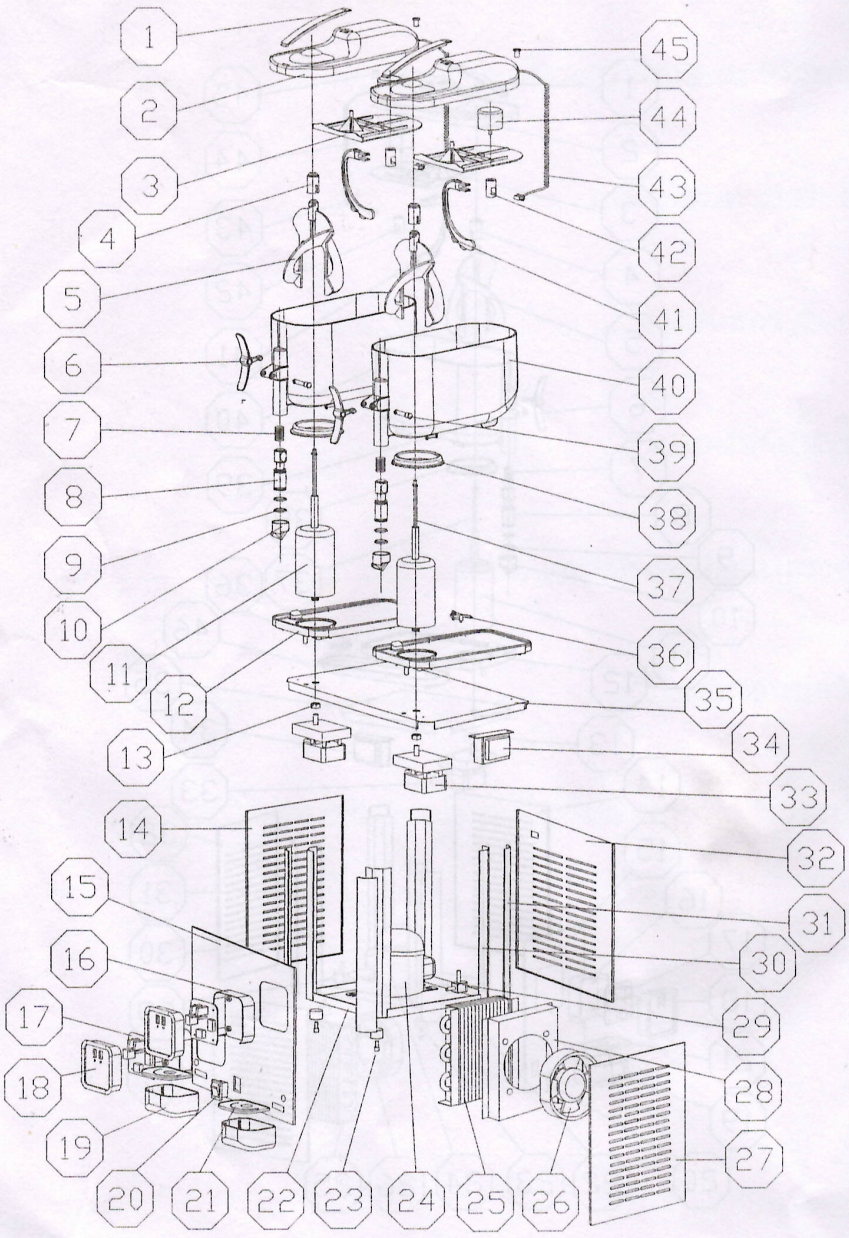
CONTENES

I. Machine Construction

Single Cylinder Series – XC16

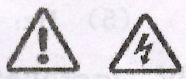


Double cylinder series



No.	Name	No.	Name	No.	Name
1	Covers handle	17	Electronic board	33	Motoreductor
2	Cover	18	Circuit board box annex	34	Transformer
3	Inner cover	19	Drip dray	35	Top panel
4	Beater cover	20	Power switch	36	Plastic plate joint
5	Elic	21	Drip dray grille	37	Propeller shaft
6	Lever tap	22	Chassis	38	Tank gasket
7	Spring	23	Leg	39	Lever safety clip
8	Tap	24	Compressor	40	Tank
9	OR basket	25	Condenser	41	Rear agitator
10	Expect nib	26	Fan	42	Bush for motoreductor
11	Evaporetor	27	DX-SX panel	43	Cover cable
12	Drep base	28	The vortex shell	44	Motoreductor
13	Nut	29	Valve	45	Tie-wire
14	DX-SX panel	30	Trestle table	46	The decorative tray
15	Front panel	31	Plastic angular		
16	Circuit board box	32	Rear panel		

II Safety attention



- Do not touch the machine with wet hands and do not ever insert any part of your body into any part of the machine while it is plugged in or operating, as serious injury may occur.
- Do not wear loose fitting clothing when operating the machine, as serious in jury may occur.
- Do not operate the machine in a wet or damp environment, as electric shock may occur.
- Do not open the top of the machine with the machine running, as the moving parts may cause harm to you.
- Do not use the equipment barefoot.
- Do not permit incapable person or children to operate the machine.
- Do not leave the equipment outdoors or otherwise exposed to the inclement or

wet weather.

- Do not operate the machine with water water or other mix that does not have the appropriate sugar content for slush, as damage to the machine may occur.
- Do not operate the machine if the machine has been dropped or otherwise damaged in any way. Contact your local service center before using the machine again.
- Do not open any of the side, front, or back panels of the machine, as electric shock may occur, and you will void the warranty on the machine.

Ⅲ Work condition

（1） ambient temperature：5~35 ℃

（2） ambient humidity：less than 90%

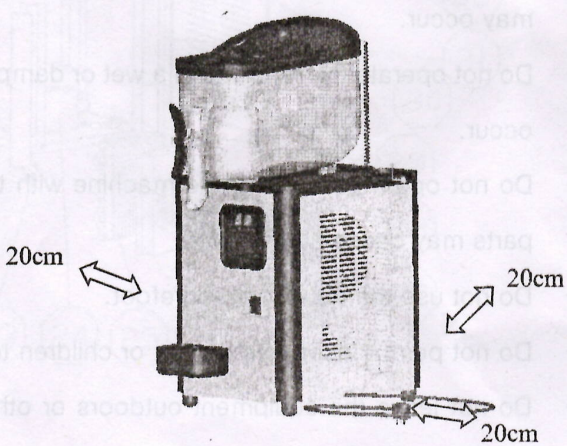
（3） mixing temperature：less than 35 ℃

（4） voltage range：220V±10%　115V±10%

（5） Hz：50±1Hz　60±1Hz

Ⅳ Installation

Remove the machine from the packing and check for any visible signs of damage that may have occurred during the shipping .Remove the protective coverings (plastic bags, etc.) and insure that they are stored out of the reach of children. The equipment must never be lifted by the tank or plastic components when being moved, and improper handling may damage near the machine .Always lift the machine by the bottom of the machine near the legs and hold the machine on both sides when lifting and carrying.



Prior to operating the machine, check that the power supply is adequately

grounded, as required by law ,and corresponds to the power specifications printed on the label equipment located on the inside panel of the machine or as printed in this manual. Plug the machine either directly into an outlet or into a single approved extension cord of not more than 10 feet long. Do not use multiple power adapters or extension cords, as they may damage the machine and void the warranty.

If you are in any way unsure about the power supply or the power requirements of the machine, have the machine and the power supply inspected by a qualified technician prior to using the machine.

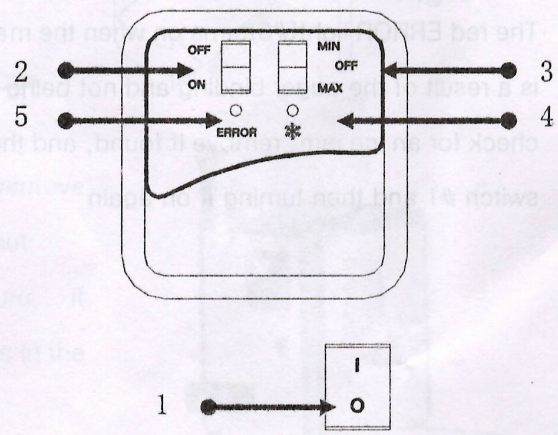
The manufacturer and all distributors are not responsible damage to the machine, property, or the operators resulting from improperly connecting or installing the machine. Also before operating the equipment, clean the machine as directed in the Cleaning & Maintenance section.

• Install the equipment away from heat sources and leave sufficient space around the machine to ensure adequate cooling by air circulation. There should be at least 20cm inches of open air on each side of the machine

V Operating instruction

Before filling the tank, carefully clean and rinse all surfaces that will be exposed to the drink. Fill the tanks with mix, but no more than up to the maximum level, and replace the cover top cover on the bowl

WARNING: the equipment is not designed for sugar-free liquids. If you use a natural juice or mix product then the sugar content must be between 15% and 25%. If you use a commercial frozen drink mixes follow the manufacturer's instructions.



(1) SWITCH THE MAIN POWER SWITCH ON

Once the bowl is filled with mix and the top cover to the bowl is in place, the main power switch on. The main power switch is the large green switch on the lower right hand corner of the front of the machine. (GREEN labeled "1"below)when the switch is in the "on" position, the switch will light up and the fan inside the machine will turn.

(2) SWITCH THE AUGER SWITCH TO THE ON POSITION

Once the main power is on, switch the auger switch to the "on" position. The auger switch is labeled # 2 below and the"on"position corresponds to the switch being depressed in the 1 position. The front and rear mixing augers will both turn with the auger switch is in the "on" position.

(3) SWITCH THE DENSITY CONTROL TO THE "MAX" POSITION

Select the density by setting DENSTY switch (#3 below) to min for thinner slush or MAX for thicker slush. The middle position "OFF" is for no refrigeration, i. e., the refrigeration is off with the density switch is in the middle or OFF position. THE MACHINE WILL NOT MAKE SKUSH WITH THE DENSITY SWITCHIN THE OFF POSITION.

After about 2-4 minutes, the green light(#4) will illuminate indicating that the machine is cooling. After the slush is made, the machine will automatically turn the cooling on and off to maintain the slush consistency selected by switch #3

The red ERROR light(#5)turns on when the machine is in an error mode. Generally this is a result of the auger binding and not being able to turn. Open the top and manually check for an ice jam, remove if found, and then to reset the system, by turning off the switch #1 and then turning it on again

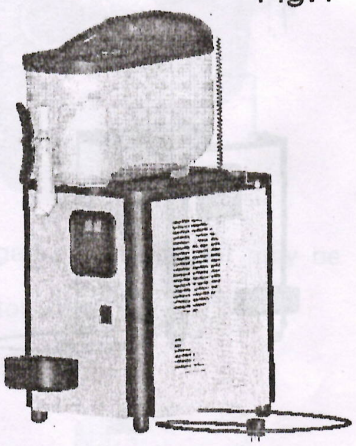
VI Maintenance

WARNING: before to attempting and cleaning or maintenance, turn off the machine and remove the power plug from the power outlet.

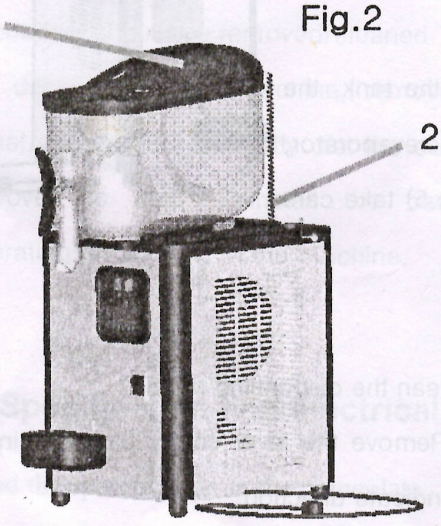
Pull the power outlet. Pull the power plug and not the wire cable **(Fig.1)**.

It's imperative that machine components having direct contact with the products are cleaned thoroughly. Carry out cleaning as per the illustrations.

Fig.1



1 Fig.2



Remove the covers (1) before,

Remove the power plug(2) (Fig.2)

Empty the tanks.

Fill the tanks with tepid water to remove the product residue and rinse out

To remove the paddle, turn it counterclockwise and after pull it as in the picture. (Fig.3)

Fig.3

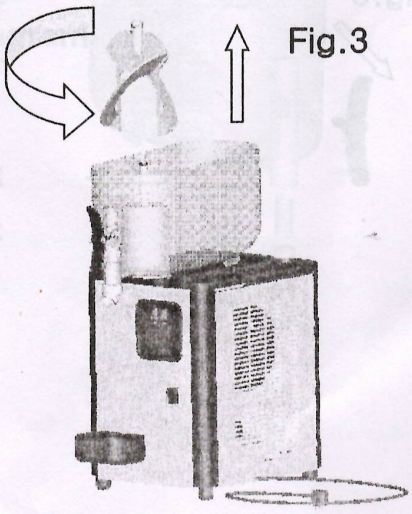


Fig.

To remove the tank, pull it as in the picture. (Fig.4)

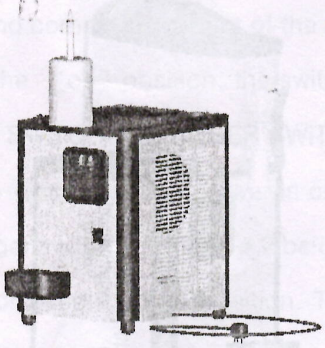
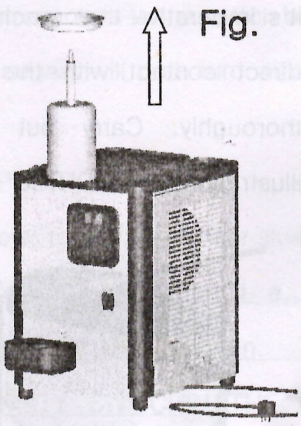
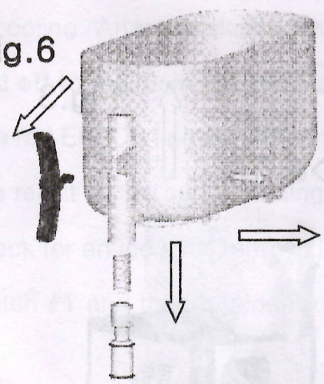


Fig.



In some cases, during the get off of the tank, the tank gasket it can remain on the cylindric evaporator, in this case remove as in picture (Fig.5) take care

Fig.6



To clean the dispensing nozzle:

1、 Remove the lever safety plug pull in it indicate direction

2、 Remove the lever as in picture(Fig.6)

3、 Remove the lever it will be possible to extract tap and the spring

Fig.7

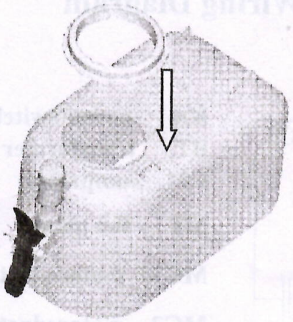
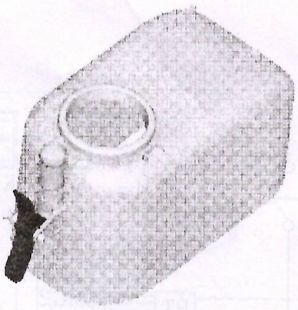
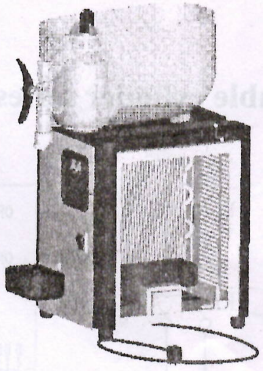


Fig.



To reassemble the tank, is necessary to the tank gasket. The gasket may be installed on the bottom of the bowl or on the evaporator. (Fig.7e 8)

Every 30 days the dust that accumulated on the condenser should be removed/cleaned. To remove the dust, unplug the machine, remove the right panel,and vacuum or lightly dist the condenser to remove the dust. Reinstall the panel before operating or plugging in the machine.

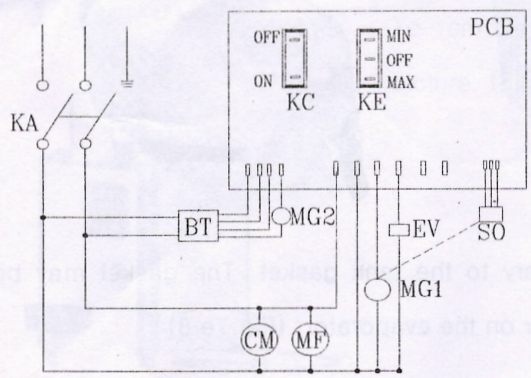


Ⅶ Specification and electrical diagram

★ find the specification in the nameplate

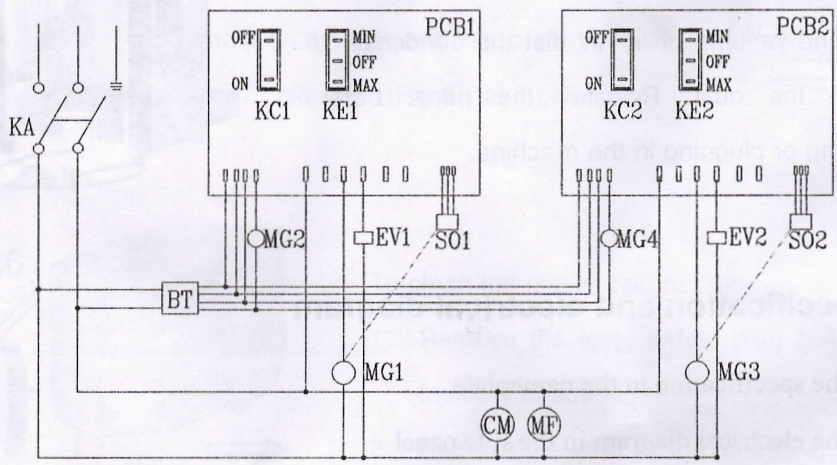
★ find the electrical diagram in the side panel

Single cylinder series Schematic Wiring Diagram



KA power switch
BT transformer
CM compressor
MF fan motor
MG1 motoreductor 230/50-110/60
MG2 motoreductor 24 Volts
EV valve
SO sensor
KC beat switch
KE slush switch

Double cylinder series Schematic Wiring Diagram



KA power switch **BT** transformer **CM** compressor **MF** fan motor
MG1/MG3 motoreductor 230/50-110/60
MG2/MG4 motoreductor 24 Volts
EV1/EV2 valve **SO1/SO2** sensor **KC1/KC2** beat switch
KE1/KE2 slush switch