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Semi-Automatic Pet Blow Moulding Machine Specification

TECHNICAL SPECIFICATIONS

Semi Automatic PET Preform Stretch Blow Molding Machine's specifications:

- All Pneumatics low pressure and high pressure Mercury make
- 1 Set of Preform Holder Neck dia 28mm
- Infrared Conveyorised Preheating System.
- PLC Based on 16 Bit
- Micro Controller (Philips XAG.49)
- Display interface via 320 x 240 graphic display processes on line
- Control. (Mould Memory, Error Memory).
- Operation Manual

POWER – TOTAL CONNECTED LOAD FOR MODEL PK 2000 AL (1 Blow+1 Conveyor):

Sr. No.	Particulars	Power Required (In KW)
1	2000 W Heater Total number of Heater 6 Nos.	12
2	Oven Blower & Conveyor motor	3
3	Compressor 20 HP (0-25 Bar)	15
4	Chillier 3 TR	2
	Total Power Required	32 KW



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Blow Machine Part List:

Cylinders	Make
Hydropneumatic + Reservoir	
Stretch DA 50 x 450 SQ Cyl. Basic	Janatics
Double Ended - Pneumatic	Janatics
Valves & Accessory	
Filter-1/2 (40Micron) Metal bowl, Autodrain	Janatics
Wall Mounting Bracket Assy-1/2	Janatics
1/4-5/2, 24VDC Single Sol. sp. Return valve	Janatics
JUNCTION BOX 3/8x1/4 (3+3)	Janatics
High Pressure Regulator Valve (50Kg)	Mercury
NRV	LMS
½" VRA - Valve	Mercury / NPS
Dual Pressure - Valve	Mercury / NPS
Low Pressure Regulator Valve (12 Kg)	Janatics
FRL - Filter Regulator Lubricator	Janatics
PU Pipes	Janatics / Equiv.
PU Connectors	Janatics / Equiv.
Fastners	Unbrako / TPS
Panel	Ultra
Double Reduction DC Motor	Standard



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AUXILLARY EQUIPMENTS

I. BRIEF DESCRIPTION OF COMPRESSORS

Reciprocating, Multistage Stage, High Pressure Air compressor.

Model No.	VC-65TH
Piston Displacement	70 CFM
Free Air Delivery	56 CFM
L.P. Stroke	5" x 4"
H.P. Stoke	3" x 4"
No. Of Cylinders	03nos.
Max. Working Pressure	30 Kg/Cm2
Motor	20 HP (CROMPTON GREAVES)
After Cooler	Water Cooled (Included)
Tank Capacity	500Ltrs

Scope of Supply:

- Reciprocating Air Compressor
- Mounted on Horizontal Tank
- Indfose Make Pressure Switch
- Pressure Gauge
- Safety Valve
- N R V
- V-Belt & Belt guard
- Manual Drain Valve / Out Let Ball Valve
- 20HP, 3 Phase, 415 v motor ISI
(Crompton Greaves make)
- Star Delta Starter (L & T / BCH make)
- Water Cooled After Cooler

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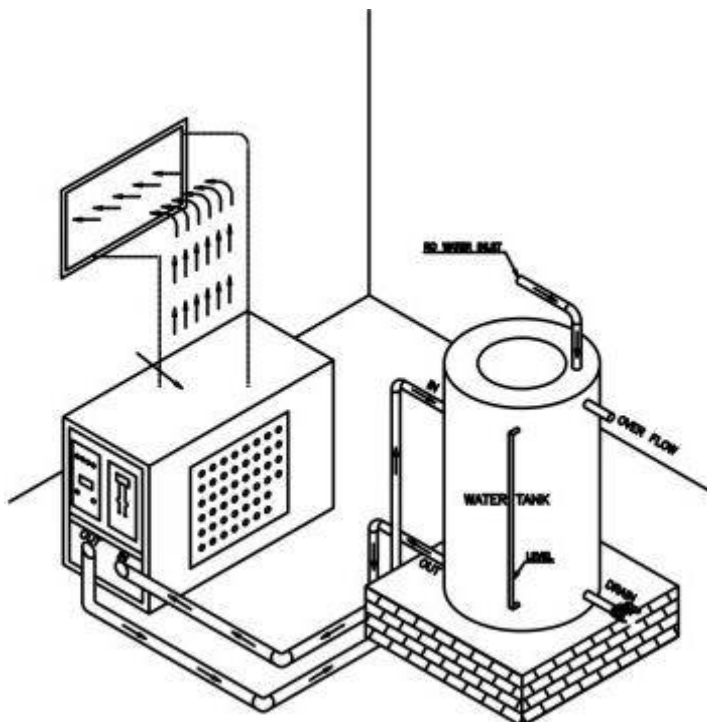
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II. BRIEF DESCRIPTION OF ONLINE CHILLER

- **Design: Complete system is fabricated in MS structure and inbuilt amenities consists of:**
- **1. Compressor : Emerson (Kirlosker) make hermetic**
- **2. Outlet Temp : 10oC to 12oC (+2)**
- **3. Chilling Plant Capacity : 3 Ton (TR)**
- **4. Condenser : Air Cooled Fince type**
- **5. Refrigeration Pipe : Copper**
- **6. Refrigeration liquid dryer : Danfos**
- **7. Expansion Valce : Danfoss or Emerson**
- **8. Temperature Controller : Digital**
- **9. Sensor Probe : RTD (PT – 100)**
- **10. Insulation of chiller : PUF**
- **11. Structure frame work : Powder coated MS structure / SS**
- **12. Fan : Exhaust**



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