



INSTALLATION SPECIFICATIONS AND CHECK LIST

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INSTALLATION SPECIFICATION

28-1632-001| 01/12/2024

SUPER NOVA – CNC ROUTER

Dear Valuable Customer,

This document is prepared for information about the machine you have recently purchased from AES America Inc. included in installation specifications and pre-installation checklist.

Installation of your new machine can be smooth and rapid if preparations are made prior to the installation of your machine.

Any questions regarding machine installation should be directed to our service department for clarification.

AES America Inc.

SERIAL NUMBER # 28-1632-001

Customer Name: N/A

Dealer/Distributor Name: SNX TECHNOLOGIES

Customer Contact: Craig Sexton | craig.sexton@snxtechnologies.com

Installation Type: AES America Inc. or Authorized Dealer Technician

We hope this checklist will aid in a rapid installation of your new machine. Please note that below requirements must be completed before our Service Technician arriving to install of your new machine.

Warranty coverage is valid only below requirements are fulfilled during machine installation and commissioning stage.

No	Installation Requirements	Initial
1	Machine is unloaded and located as described in machine layout plan.	
2	Min. 15000lbs capacity forklift will be available onsite during installation.	
3	Requirements for power is fulfilled and ready to run the machine	
4	Requirements for air supply is fulfilled and ready to run the machine	
5	Requirements for dust collecting unit is fulfilled and ready to run the machine.	
6	Necessary tooling is provided for use on the machine(drill bits, router bits etc)	
7	Necessary sample panels for demo production purposes(mdf, particle board, plywoord etc.)	
8	Internet connection available on the machine for installation of programs and remote connection purposes	
9	A PC if program installation is required besides than IPC on the machine.	

CUSTOMER SIGNATURE

NAME/SURNAME:
TITLE:
PHONE:
EMAIL:

01. POWER REQUIREMENTS

Machine is powered with **3PH/380V** for main use and **1PH/220V** power for control panel as standard. There is multitap transformer supplied with the machine that can convert 380V connection to voltages; **208/230/480VAC**.

Requirements for power as like below;

- **4x6+10mm²** multiple wire cable (TTR) with **63A** circuit braker, **40kW – 3P** electricity.
- Earthing should be lower than **2V** between neutral – PE.
- An Uninterruptible Power Supply (**UPS**) is required with **50kva** regulation with 5mins on-battery runtime feature. UPS vendor should select required UPS unit according to building conditions.

Additional options may increase power requirements like additional vacuum pumps etc. Please ask to our Service Department if your machine has additional options than standard.

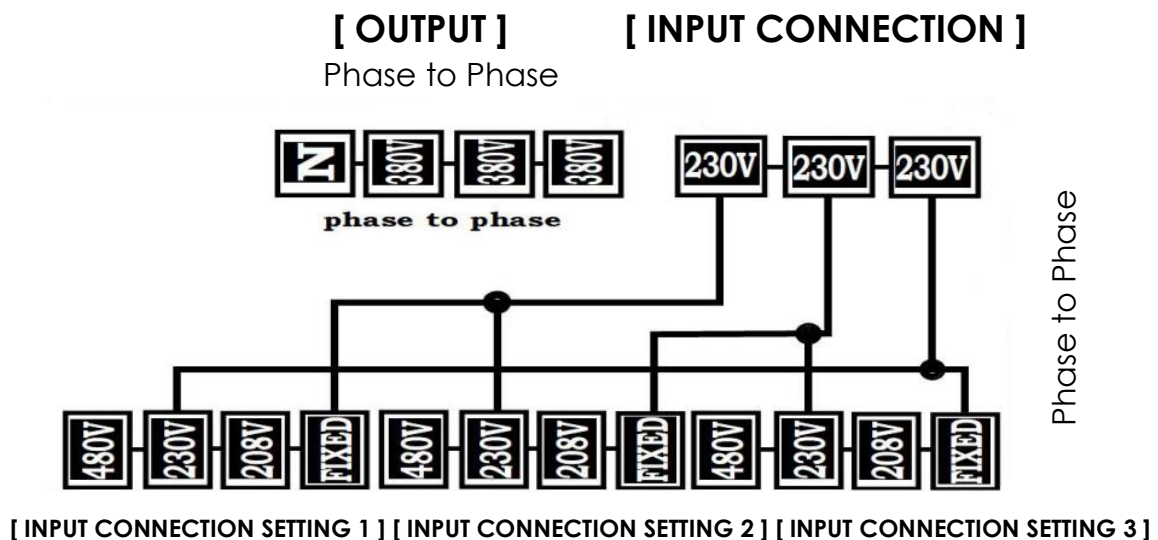
Transformers Specifications and Connection Types

Working Frequency: 50Hz – 60Hz

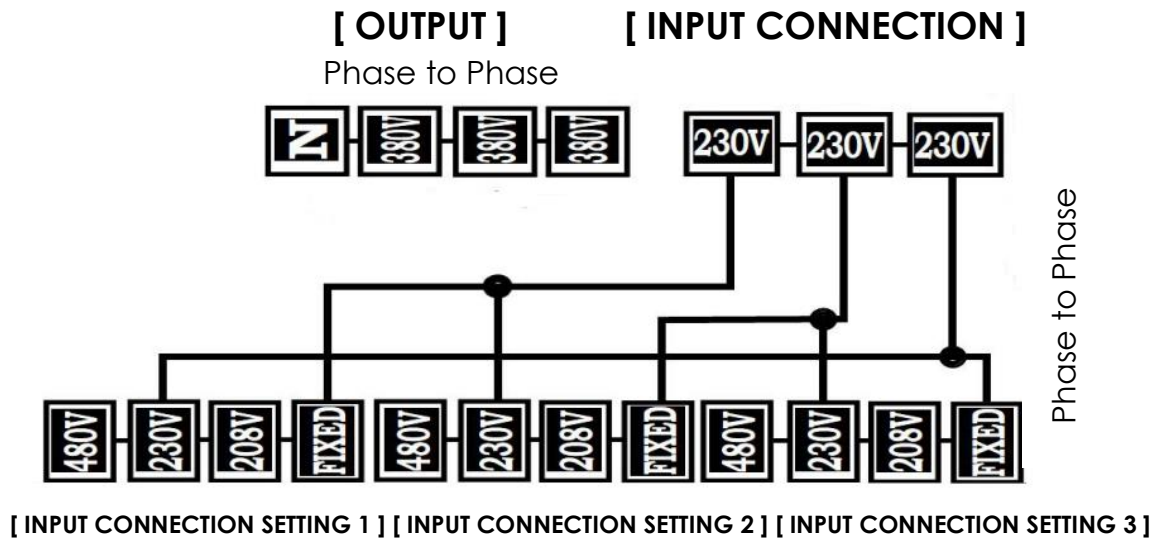
Input Voltage: 3x208V – 230V – 480V AC (Voltages are from phase to phase)

Output Voltage: 3x380V AC-N (Voltages are from phase to phase)

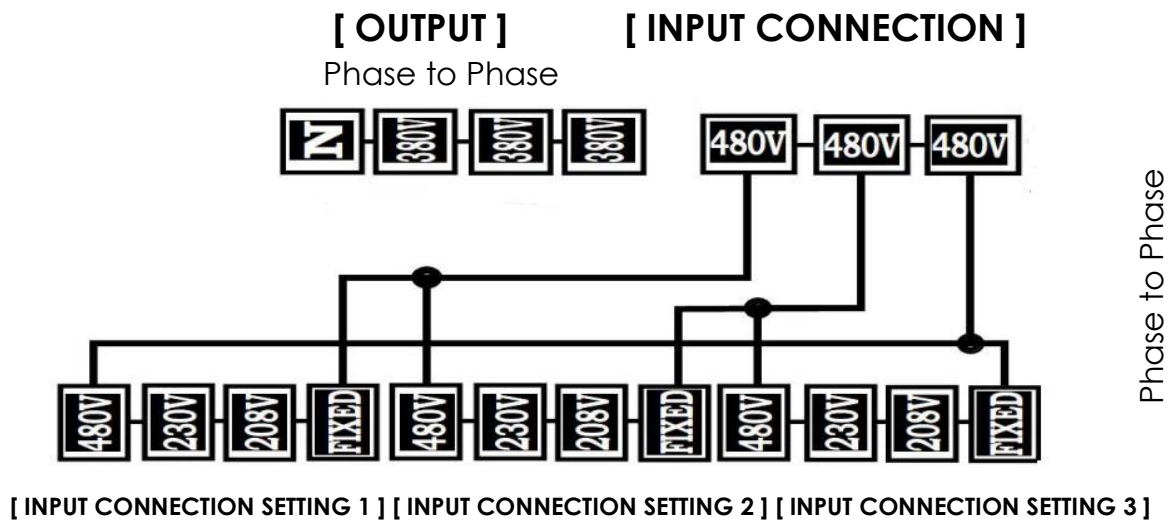
208V CONNECTION



230V CONNECTION



480V CONNECTION



02. COMPRESSED AIR REQUIREMENTS

Machine requires minimum **8bar I 115PSI** compressed air, its consumes an average of approximately **240nl/min I 8.5 SCFM(at 59°F)** of compressed air. Compressed air must be run with dryer type compressor to provide clean air supply from solid particles, humidity and oil.

10mm I 0.4" continuous air hose connection is needed near the machine with disconnect.

03. DUST COLLECTING UNIT REQUIREMENTS

Machine requires minimum **6500m³/h I 3500CFM** dust collection system if its stand alone model. If there is a unloading/cleaning unit and conveyor unit options machine needs **10000 m³/h I 6000CFM** dust collection system.

Stand Alone Machine has single connection point for dust collection with **250mm I 9.85"** diameter at the top of the machine. If the machine has Unloading & Cleaning unit option 2nd connection point with **110mm I 4.33"** diameter needed at the side of the machine. If the machine has Conveyor unit option 3rd connection point with the 3 pcs **150mm I 5.90"** diameter needed at the top of the conveyor unit. (See machine layout plan for connection point locations)