



NIAGARA POWER TRANSFORMER

Powering Possible.

FUNCTIONAL JOB DESCRIPTION

CONTROL BOX ASSEMBLER FULL TIME

8H DAY | 40H WEEK | 30M LUNCH | OCCASIONAL OVERTIME

GENERAL DESCRIPTION OF DUTIES

JOB DUTIES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING

- Obtain blueprints
- Obtain materials and components
- Remove panel from control box
- Layout panel, drill and tap holes for mounting components
- Mount components per print
- Install wiring
- Install panel into control box

ESSENTIAL MINIMUM PHYSICAL DEMAND JOB REQUIREMENTS

DEXTERITY

- Above average grip strength for tool use
- Above average pinch strength for installing components
- Above average hand coordination for manipulating small parts

POSTURAL

- Standing continually
- Walking frequently
- Standing bent forward frequently

AGILITY-MATERIAL HANDLING

- Lift parts up to 50 lb to remove installing panels from control box. If greater than 50 lb, multi-person lift if lift cannot be used

PHYSICAL DEMAND CHARACTERISTICS OF WORK FOR THE POSITION OF CONTROL BOX ASSEMBLER

| DEMAND LEVEL | O = OCCASSIONAL 1-33% OF WORKDAY | F = FREQUENT 34-66% OF WORKDAY | C = CONTINUOUS 67-100% OF WORKDAY |
|--------------|-------------------------------------|-----------------------------------|--------------------------------------|
| SEDENTARY | 0-10 LBS | NEGLIGIBLE | NEGLIGIBLE |
| LIGHT | 11-20 LBS | 0-10 LBS | NEGLIGIBLE |
| MEDIUM | 21-50 LBS | 11-20 LBS | 0-10 LBS |
| HEAVY | 51-100 LBS | 21-50 LBS | 11-20 LBS |
| VERY HEAVY | OVER 100 LBS | 51-100 LBS | 21-50 LBS |

PHYSICAL DEMAND STRENGTH RATING: MEDIUM

| NON-MATERIAL HANDLING ACTIVITIES | N | O | F | C |
|----------------------------------|---|---|---|---|
| CRAWLING | ⚡ | | | |
| SITTING | | ⚡ | | |
| STANDING | | | ⚡ | |
| WALKING | | | ⚡ | |
| STAIR CLIMBING | | ⚡ | | |
| LADDER CLIMBING | | ⚡ | | |
| BALANCE | | | ⚡ | |
| CROUCH | | ⚡ | | |
| REPETITIVE SQUATTING | | ⚡ | | |
| KNEELING | | ⚡ | | |
| REACHING FORWARD | | | ⚡ | |
| REACHING OVERHEAD | | ⚡ | | |
| FORWARD BENDING - SITTING | | ⚡ | | |
| FORWARD BENDING - STANDING | | | ⚡ | |
| STATIC BENDING | | | ⚡ | |
| FOOT OPERATION - LEFT ONLY | ⚡ | | | |
| FOOT OPERATION - RIGHT ONLY | ⚡ | | | |
| FOOT OPERATION - BOTH/EITHER | ⚡ | | | |
| STEPPING UP/DOWN | | ⚡ | | |

| LIFTING | N | O | F | C |
|------------|---|---|---|---|
| 0-10 LBS | | | ⚡ | |
| 11-25 LBS | | | ⚡ | |
| 26-35 LBS | | ⚡ | | |
| 36-50 LBS | | ⚡ | | |
| 51-75 LBS | ⚡ | | | |
| 76-100 LBS | ⚡ | | | |
| 100+ LBS | ⚡ | | | |

| CARRYING | DISTANCE | N | O | F | C |
|------------|-----------|---|---|---|---|
| 0-10 LBS | UP TO 10' | | ⚡ | | |
| 11-25 LBS | UP TO 10' | | ⚡ | | |
| 26-50 LBS | | ⚡ | | | |
| 51-75 LBS | | ⚡ | | | |
| 76-100 LBS | | ⚡ | | | |
| 100+ LBS | | ⚡ | | | |

N = Never | O = Occasional | F = Frequent | C = Continuous

| HAND/ARM USE | N | O | F | C | LEFT ONLY | RIGHT ONLY | BOTH/DOMINANT |
|--------------------|---|---|---|---|-----------|------------|---------------|
| PINCH | | | ⚡ | | | | ⚡ |
| GRIP | | | ⚡ | | | | ⚡ |
| FINE MANIPULATIONS | | | ⚡ | | | | ⚡ |
| FINGER PRESS | | | ⚡ | | | | ⚡ |
| KEYBOARD | ⚡ | | | | | | ⚡ |
| TAMPING | | | ⚡ | | | | ⚡ |
| TOOL USE | | | | ⚡ | | | ⚡ |

N = Never | O = Occasional | F = Frequent | C = Continuous

| EXPOSURES | |
|----------------------|---|
| NOISE 82db (a) | ⚡ |
| DUST | |
| DAMPNESS | |
| WHOLE BODY VIBRATION | ⚡ |
| VIBRATION: HANDS | ⚡ |
| CHEMICALS | |
| JARRING | ⚡ |
| BBP | |
| COLD < 45°F | |
| HEAT > 85°F | |
| HEIGHT < 3' | |
| HEIGHT > 48" | |

| SENSORY FUNCTIONS ESSENTIAL FOR SAFETY | |
|---|---|
| LIGHT TOUCH | ⚡ |
| DEPTH PERCEPTION | ⚡ |
| WRITING | ⚡ |
| SPEAKING | ⚡ |
| COLOR DISCRIMINATION | ⚡ |
| SEEING | ⚡ |
| HEARING | ⚡ |
| READING | ⚡ |
| WORK INDEPENDENTLY | ⚡ |

| PROTECTIVE EQUIPMENT REQUIRED | |
|---|---|
| FOOT PROTECTION HARD SOLE NON-SKID WORK SHOE | ⚡ |
| EYE PROTECTION | ⚡ |
| HEARING PROTECTION | ⚡ |
| N95 RESPIRATOR OR PAPR | |
| GLOVES | |
| GOWN | |

SKILLS OR SPECIALIZATION REQUIRED

- Must be able to safely work with power tools
- Must be able to follow directions and read instructions
- Good math skills, able to read a tape measure and take accurate measurements

PHYSICAL DEMAND CHARACTERISTICS

This job is rated **medium**. This rating is set forth by **The United States Department of Labor**.

This job analysis was performed by on-site supervisor interview, employee interview, observation, measurement, task analysis, and review of digital photography.

COMPLETED BY JAMES ORRANGE, OTR