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Header 3

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General Information


[Contact](#)[Default Values](#)[Discount](#)[Document Information](#)

Procurement Folder: 711506

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0803

Vendor ID: VS000009324 

SO Doc ID: DOT2000000160

Legal Name: Joy Industries Inc

Published Date: 5/11/20

Alias/DBA:

Close Date: 5/19/20

Total Bid: \$58,577.00

Close Time: 13:30

Response Date: 05/06/2020 

Status: Closed

Response Time: 11:50

Solicitation Description: ADDENDUM 1 COMPLETE SHOP
AIR COMPRESSOR (7020E039) 

Total of Header Attachments: 3

Total of All Attachments: 3



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 711506

Solicitation Description : ADDENDUM 1 COMPLETE SHOP AIR COMPRESSOR (7020E039)

Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2020-05-19 13:30:00	SR 0803 ESR05062000000006468	1

VENDOR
VS0000009324 Joy Industries Inc

Solicitation Number: CRFQ 0803 DOT2000000160

Total Bid : \$58,577.00

Response Date: 2020-05-06

Response Time: 11:50:31

Comments:

FOR INFORMATION CONTACT THE BUYER
 Crystal G Hustead
 (304) 558-2402
 crystal.g.hustead@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	COMPLETE UNIT AIR COMPRESSOR W/DRYER	1.00000	EA	\$58,577.000000	\$58,577.00

Comm Code	Manufacturer	Specification	Model #
40151601			

Extended Description :	COMPLETE UNIT: FIXED SPEED AIR COMPRESSOR, 660-GALLON AIR HOLDING TANK W/DRYER
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Joy Industries, Inc.
P.O. Box 9344
Huntington, WV 25704
PH: 304-525-8168 FAX: 304-529-1653



May 6, 2020

QUOTATION NO.: 02-6463A

WV Division of Highways
Equipment Division Rt 33
83 Brushy Rd Crossing, PO Box 610
Buckhannon, WV 26201
Attention: Crystal Husted
Reference: Solicitation No CRFQ DOT2000000160

We are pleased to have the opportunity to offer the following equipment for your consideration:

QTY = 1 100 HORSEPOWER AIR COMPRESSOR

Model# ST-100G2 Gardner Denver, air cooled, Electra-Saver II, rotary screw air compressor package complete as follows:

Oil-Flooded, single stage, rotary screw air compressor with modulating capacity control.

Patented, intensive oil injection, energy saving, lube system.

100 HP; 208 volt; 3-PH.; 60HZ; 1780 RPM; EISA premium efficient (94.1%), O.D.P. electric motor with a 1.15 service factor and Nema C-flange.

Heavy duty canister type inlet air filter with replaceable 5 micron element.

Factory fill AEON-9000TH lubricant {8,000-12,000 hour synthetic lubricant}.

Eliminator Air/Oil Separator (2 PPM)

ASME coded oil reservoir with level gauge & 10 Micron full flow oil filter.

Thermal mixing valve.

Stainless steel, corrosion resistant control line tubing.

Carbon steel piping and fittings.

Air-cooled, heavy duty radiator type oil/air coolers.

Minimum discharge/pressure check valve.

Automatic blowdown muffler.

AirSmart G2 Controller:

NEMA 4 standard enclosure

Automatic start/stop or load/unload operation with modulation.

Compressor sequencing with optional communication module.

Auto Blow-Down with Adjustable timed stop.

Full text liquid crystal display (LCD).

Selectable Restart.

Displays for Hourmeter (loaded and total), discharge air temperature, system/reservoir pressure.

Nema 4 electrical control enclosure including: Mounted and wired 460 volt, wye delta motor starter;

24 Volt Direct Current Power Supply, Emergency stop button.

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Compressor Performance:
Pressure Range Available: 100-200PSIG
CFM Capacity: 345-541ACFM

Compressor Price includes the following:

- Quiet sound enclosure {74 dBa}
- Moisture Separator - For removal of liquid water at the discharge of the air compressor {shipped loose}
- AEON9000TH - Hi Temp Synthetic Lubricant {12,000 hr}**
 **Lubricant will achieve 12,000 under normal operating conditions
- ICONN remote monitoring device: This is a new Gardner Denver feature that allows remote monitoring of your compressor condition. With the ICONN, you and your service agency can receive notifications via email or text alerting you to service due warnings, minor or critical machine faults and other types of machine status updates. There are no monitoring fees and this does not work through the customer's network. The service is provided by Gardner Denver's cellular network.

QTY = 1 Non-Cycling Refrigerated Air Dryer

Model #GSRN500 Gardner Denver, air cooled, High efficiency, non-cycling refrigerated air dryer. 208 volt; 3-phase 60HZ refrigeration compressor. 2"NPT inlet and outlet connections.

- * American Made
- * Stainless steel thermostatic expansion valve: This modulates refrigerant flow in fluctuating ambient temperatures and compressed air loads preventing premature refrigeration compressor failure.
- * Stainless steel heat exchanger
- * Full suction and discharge refrigeration service valves for easy maintenance.

DRYER PERFORMANCE:

500 CFM flow capacity @ 100 PSIG {Maximum 220PSIG} inlet air pressure, 100 Deg. F inlet compressed air temperature, 100 Deg. F ambient temperature to a +35 Deg. F pressure dewpoint.

Dryer price includes the following:

- Model GIL500H Hi Performance Coalescing Filter (.01PPM) - 99.999% Efficiency with differential pressure gauge and zero air loss automatic drain.

QTY = 1 660 Gallon Vertical Air Receiver

ASME 660 Gallon - Carbon Steel - Vertical air receiver with base ring - 200 WP-PSI.
Price includes ASME safety relief valve and automatic drain.

TOTAL PACKAGE PRICE \$ 58,577.00

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The following are exceptions taken to the bid spec:

- 3.1.1.6 Compressor air filter is 5 micron instead of 4
- 3.1.1.7 Maximum operating temperature is 104 Deg. F
- 3.1.1.9 dBa rating is 75 instead of 73
- 3.1.1.14 Dimensions are slightly large than requested {see attached engineering data sheet}
- 3.1.2.4 Dryer dimensions are 49"H X 34"W X 46"D

Compressor is non-cancellable and non-returnable.

Note:

Pricing includes field startup services and training. Startup service shall be scheduled at least one week in advance and is to be performed during normal working hours, Monday thru Friday. One eight hour day will be allotted for this startup service. All equipment must be properly piped to air system and electrical wiring must be completed prior to startup.

Joy Industries currently employs two certified service technicians, who are residents of Buckhannon, WV.

Response time will be minimal for future service requests.

DELIVERY: 8-10 Weeks, ARO
FOB: Delivered - Price includes freight charges
TERMS: Net 30 days

We are enclosing literature to familiarize you with the quoted equipment. If you have any questions or need any additional information, please feel free to call me at 1-800-676-0815.

Sincerely,
Joy Industries, Inc.

Deron Lambert



75-100 HP ROTARY SCREW COMPRESSORS

Electra Saver® II G2

A Serious Legend

The engineering ingenuity of Gardner Denver began in 1859. For over 150 years, our compressed air products have been a dependable resource for meeting the world's most demanding and ever-changing industrial needs. A legend in its own right, the Electra Saver® II has been carrying on that legacy for over 30 years. The legend continues with the Electra Saver® II G2.

Bigger is Better

Featuring super-sized bearings and up to 40% larger airends than the competition, the Electra Saver® II G2 is not only bigger, it is better. The larger airends, running at slower speeds, maximize efficiency and reduce mechanical wear and tear, while the permanent alignment of the airend and motor ensure maximum coupling and bearing life.

Unsurpassed Quality Components

Our robust and reliable machines come equipped with a highly-efficient semi-integrated airend that incorporates a spin-on/spin-off oil filter and thermostatic mixing valve. Other high-value features include leak-free Viton Victaulic couplings, tip-out air/oil cooler design for ease of maintenance and a heavy duty inlet filter offering complete air filtration. The standard package is unenclosed, with an option for sound attenuating enclosure panels that feature swing out, lift-off door panels; keeping all service items easily accessible. From the easy to use controller to the premium efficient Open Drip Proof (ODP) continuous duty motor, the Electra Saver® II G2 is packed with all of the high-value standard and optional features you have come to expect from Gardner Denver.

Gardner
Denver

ELECTRA SAVER II G2 75-100 HP ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD		NOISE LEVEL*	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	HP	KW	PSIG	BAR	ACFM	M ³ /MIN		LBS	KG	
STG2-75	75	55	100	6.9	411	11.64	81	4521	2051	90 x 61 x 59 (2286 x 1549 x 1499)
			125	8.6	365	10.39				
			150	10.3	305	8.64				
			175	12.0	263	7.45				
			200	13.8	261	7.39				
STG2-100	100	75	100	6.9	541	15.32	81	4660	2114	
			125	8.6	496	14.05				
			150	10.3	434	12.29				
			175	12.0	346	9.80				
			200	13.8	345	9.77				

*Noise level, weights and dimensions are for unenclosed models.

Electra Saver® II G2 Features (75-100 HP)

- Gear drive, oil flooded, single stage rotary screw air compressor
- AEON 9000SP lubricant
- Air and water-cooled
- AirSmart™ G2 microprocessor controller
- Oil cooler/aftercooler:
Air cooled models—industrial grade aluminum plate and fin-type tubular design with a totally enclosed OSHA approved fan guard; Water-cooled models—shell and tube design
- cULus listed and CSA approved electronics
- Enclosure: unenclosed – standard; quiet enclosed – optional
- Modulating inlet valve control with ability to operate as load/no load
- Package mounted moisture separator/trap {optional}
- Wye-delta starter
- NEMA 4 electrical enclosure
- ODP main motor; optional TEFC main motor
- ASME coded oil reservoir
- Thermostatic thermal mixing valve
- Stainless steel control lines
- Viton Victaulic couplings
- Minimum pressure and check valve
- Optional remote mounted air cooled cooler
- Optional seacoast (air-cooled) or salt water (water-cooled) cooler
- Voltage:
60 Hz: 230V*/380V/460/575V
50 Hz: 380V

*Only available on 75 HP models

Gardner Denver®

Gardner Denver, Inc.

1800 Gardner Expressway
Quincy, IL 62305
866-440-6241

www.gardnerdenver.com/gdproducts



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GSCS-STG2-75-100 2nd Ed. 4/19

Please recycle after use.

Bid Specification

Electra Saver II™ G2 Series
STG2-75 & STG2-100 | 75 & 100HP

1. GENERAL

The air compressor is an oil injected rotary screw that is available as air or water-cooled with a modulating inlet valve. The top discharge air cooled oil cooler and aftercooler is provided for ease of installation and heat recovery capabilities. At full load, the compressor capacity is **Choose an item**. ACFM (m3/min) at a discharge pressure of **Choose an item**. PSIG (bar) Capacity is the actual CFM (m3/min) at inlet conditions, delivered at the final discharge of the compressor package. The unit is assembled and mounted as an integral package and factory tested under full load conditions. The package includes an ASME coded multi-stage air/oil separator, which reduces oil carryover to less than two (2) ppm. The compressor package arrives factory filled with 8000 hour synthetic lubricant.

The standard package is unenclosed, with an option for sound dampening enclosure panels that feature swing out, lift-off door panels. These enclosure panels provide a lower sound level and unrestricted access to the machine for maintenance. All compressor packages are manufactured under strict ISO 9001 quality control standards.

2. AIREND

The high efficiency single-stage, oil flooded rotary screw design is of the rotary helical screw type for minimal internal leakage and maximum compressor efficiency. Rotary helical precision ground rotors, manufactured on the latest CNC grinding machines, use on-line laser measurement technology to be dynamically balanced and mounted. The rotors are manufactured from 65-45-12 ductile iron. When a gear housing is used it will be completely sealed against atmospheric contaminants to ensure lifetime trouble-free power transmission. Single row cylindrical roller bearings, with an enhanced ability to support dynamic loads, and angular contact ball bearings accommodate combined radial and axial loads. This reduces vibration, heat generation and increases machine uptime. A hard start check valve is also used on the airend to reduce the motor starting loads.

Heavy-duty bearings, capable of typical calculated B-10 bearing life in excess of 100,000 hours, are used. Rotor shafts are an integral part of the rotors and are not match marked. The air end features a 5-6 lobe combination and male and female rotor diameters of 230mm and 184mm or 175mm and 139mm respectively (dependent on horsepower and pressure). To ensure the utmost safety against oil leakage, an integrated fail safe shaft system has been installed. This fail safe shaft system consists of a triple-lip seal design that protects downstream equipment and applications from oil.

Bearing cooling and lubrication is achieved through differential pressure (airend coolant circulated by air pressure differential, *no parasitic shaft driven pumps required*). A pressure relief valve is installed in the final discharge line and set at the factory to approximately 120% of unit's full load operating pressure for protection against overpressure. The compressor package includes a minimum pressure and check valve. This ensures a minimum pressure on the oil reservoir and prevents backflow of air when the unit stops, unloads or is shut down. The air end also incorporates a spin-on oil filter, and thermostatic mixing valve which allows for a compact unit with minimal external piping. The large diameter rotors operate at slow speeds resulting in exceptional efficiency and reliability.

3. MOTOR

The standard motor is an open drip proof (ODP) design, **Choose an item**. HP that operates at 1800 RPM with a 1.25 Service Factor. The motor is an induction type with NEMA B design and class F insulation. The motors used meet NEMA premium efficiency standards per MG1 Table 12-12. Optimized for best efficiency and power factor, the motor is specifically matched to the torque, speed, and horsepower characteristics of the compressor and is suitable for wye-delta type starting and continuous duty. The speed, torque and operating characteristics have been designed to match the load of the compressor. A totally enclosed fan cooled (TEFC) motor is available as an option.

Bid Specification

Electra Saver II™ G2 Series
STG2-75 & STG2-100 | 75 & 100HP

4. STARTER

A wye-delta starter is used to reduce the current inrush on starting. It is mounted in a NEMA 4 enclosure on the compressor package and wired with an emergency stop button. The door latch contains locking features. The control panel and components are UL listed and CSA approved.

5. DRIVE ASSEMBLY

The motor used is a NEMA C-flanged design that couples directly to the airend through a lifetime non-lubricated, flexible coupling. Permanent alignment ensures maximum coupling and bearing life. The motor and airend are mounted with vibration isolators on a rigid steel base.

6. INLET AIR FILTER

On an enclosed unit, the air inlet on the compressor package is equipped with a coarse mesh filter mat for pre-filtering the intake air. All units are equipped with a heavy duty, dry-type, corrosion-free inlet filter, with plastic, reinforced fiberglass, which is capable of removing airborne particulate at a level of $n_{40} \geq 99.8\%$ efficiency, per ISO 5011. The air filter element has a star-pleated design with center tube and radial seal. The filter is in a horizontal orientation which prevents dislodged material from falling into the airend during normal operation. Servicing the air filter element is easy and can be completed without tools.

7. COMPRESSOR CONTROL SYSTEM

A microprocessor-based controller is utilized on the compressor package. Equipped with a low voltage 24 VDC power source, the control system ensures proper starting, capacity control, operating control, and safety control of unit. The controller offers, as standard, the capability of operating as a modulating inlet valve or as a load/no load inlet valve with timed stop. The inlet valve is used to block-off air flow to the compressor inlet (unload) when fully closed or to throttle it (modulation) when partially closed, from 40-100% range. A poppet-style disk is used to drive a single-acting spring return pneumatic piston. A lighter spring is used between the poppet and the pneumatic piston, providing the compressor air backflow at stoppage.

The controller is housed in a NEMA 4 control enclosure. Transducers and RTDs are utilized in the control system because of their reliability and do not require routine maintenance. Control panel, wiring, and components are UL listed and CSA Certified.

A. Controller

The microprocessor controller is designed specifically for use in rotary screw air compressors and is capable of controlling fixed speed air compressors which use traditional motor starters. The microprocessor-based unit monitors all necessary temperature and pressure points within the compressor in order to safely operate the machine and satisfy user air demand. The control panel displays a comprehensive overview of the compressor status and allows easy access to operational parameters such as pressure set points, alarm set points and language selection.

- 320x240 color pixel display with LED back lighting is easy to read in all lighting conditions
- 7 navigational buttons for easy compressor control and menu navigation
- 2 status LEDs for “at-a-glance” compressor status
- Password protection of setup parameter menus
- Multiple language support
- UL Recognized component in the United States and Canada
- 24 volt DC power input

Bid Specification

Electra Saver II™ G2 Series
STG2-75 & STG2-100 | 75 & 100HP

- SD Card
 - 8GB included
 - Provides continuous data logging

The microprocessor controller that is used features an error management system that provides information on advisory warnings, shutdowns and displays general operating parameters. The controller constantly monitors system status and operation in order to determine the state of the compressor system.

B. Operation

The controller allows the system to run in either constant run, sequence, or automatic start/timed stop modes to best match system demand. A backup system will not be required for the control system. Manual or automatic restart modes are employed following a power failure. The controller is capable of sequencing up to 8 units with interconnecting RS485 cable (sequencing kit), thus allowing for future system expansion. Contacts are available for remote controlled operation.

C. Advisories

The advisory notifications in the controller are designed to alert the user of needed service or that certain parameters may be approaching their shutdown level. Advisory notifications can be reset while the compressor is running or stopped by pressing the upper right button corresponding to the logo on the home screen. If the error condition still exists after resetting the advisory, the advisory notification will occur again. The status of the compressor at the time of each advisory is stored in non-volatile memory, which can be accessed through the history menu.

Complete system advisory indicating:

- change separator
- change oil filter
- low ambient temperature
- high reservoir temperature
- oil sample timer
- change air filter
- change oil
- high discharge temperature
- high inlet temperature

D. Shutdowns

Protective shutdowns for:

- main motor overload
- fan overload
- high discharge temperature
- separator change
- high system pressure
- power failure
- emergency stop
- transducer failure
- high reservoir temperature
- RTD failure
- connection failure

The shutdown faults in the controller are designed to protect the compressor from component failure or extreme environmental conditions. Shutdown faults can be reset after the compressor has stopped by pressing the STOP button. If the error condition still exists, the shutdown fault cannot be reset. The status of the compressor at the time of each shutdown is stored in non-volatile memory, which can be accessed through the history menu.

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STG2-75 & STG2-100 | 75 & 100HP

E. Display

The controller is provided with a full color display with seven tactile keys for easy compressor control and menu navigation. The controller displays include:

- Home screen
 - Analog pressure and temperature readings
 - Operating mode
 - Operating State and status
 - Total and loaded hours
 - Timer information and date / time
- Run carousel screens
 - Sensor summary
 - Pressure and temperature gauges
- Distributor information screens
 - Distributor contact information
 - Consumable part numbers
 - Documentation numbers
- Maintenance timer summary screens
 - Bar graphs displaying at-a-glance maintenance timer status
- Notice history
 - Shutdown and advisory history with timeline and system data for each event
- Menu screens
 - Operational settings, maintenance, display, and machine configuration menu structures allow full machine configuration and diagnostics

8. LUBRICATION

System lubrication is accomplished by *inherent pressure differential* and without the use of an external mechanical oil pump. A full flow 10-micron oil filter provides superior filtration at an efficiency level of 99%, and in accordance with ISO4548-12. A thermostatic oil-mixing valve is integrated into the air end casting to ensure proper oil temperature. The filtered oil, injected into the compression chamber, provides a constant film on the rotors thus preventing contact and wear. It also results in a reduced final air temperature. The air/oil mixture is discharged from the compression chamber into a multi-stage separator vessel which combines a cyclone effect and filtration to remove residual oil from the air. Separated oil collected in the final separation element is removed by a scavenge pipe connected to the suction side of the airend. The compressor is factory filled with AEON 9000SP or equivalent synthetic lubricant rated for 8000 hours at normal operating conditions. The compressor is designed to operate in ambient temperatures up to 45°C or 113°F. Engineered fitting are used on fluid connections.

9. SEPARATOR SYSTEM

The reservoir tank is ASME certified per Section VIII. It consists of a separate first stage reservoir that utilizes a shotgun and baffle design to separate the oil from the air. The second stage of separation utilizes a replaceable nested separator element, which limits oil carryover to no greater than 2 PPM by weight at 100 PSIG full load operation measured *at the discharge of the separator* and < 1 PPM measured at the package final discharge. A jack bolt on top of the reservoir lid is used to reduce maintenance time on the separator element. The system also includes a silenced automatic blowdown valve.

10. PIPING

Seamless steel piping is used for all process air lines and is connected with Viton Victaulic couplings. Braided flexible hoses and stainless steel tubing are also used on the compressor package utilizing a mix of BSPP and SAE 37

Bid Specification

Electra Saver II™ G2 Series
STG2-75 & STG2-100 | 75 & 100HP

degree flared connections to eliminate leaks.

11. ENCLOSURE

A protective and sound dampening enclosure is available as an option and does not impede routine maintenance nor is required for proper machine operation. A sound dampening enclosure, rigidly fabricated of heavy gauge steel, is capable of reducing sound levels to 74 dBA or less for air-cooled configurations. For water-cooled configurations a sound level of 72 dBA or less is found. An unenclosed unit contains a sound level of 81 dBA or less.

12. OIL COOLER/AFTERCOOLER

The cooler features a tip-out design for ease of maintenance. Air cooled cooling is achieved with an independent motor-driven radial fan. The air-cooled air/oil cooler utilizes an industrial grade aluminum plate and fin-type tubular design with a totally enclosed OSHA approved fan guard. The fan motor is ran at speeds of 1200 RPM or less.

The water-cooled air/oil coolers are a built-in shell and tube design which are piped and mounted within the compressor package. The package features medium approach temperatures no *greater than 15 °F*. Remote or elevated remote mounted air-cooled coolers are available as options. The combination air/oil coolers are positioned vertically within the package in an effectual manner, ensuring the best general layout from a technical viewpoint, and to facilitate service access.

13. WARRANTY & STARTUP

A. Standard Warranty

The compressor package is warranted to be free of defects in material and workmanship for a minimum period of 18 months from the date of shipment or 12 months from the date of start-up; whichever occurs first. The compressor air end assembly is warranted to be free of defects in material and workmanship for a minimum period of 27 months from the date of shipment or 24 months from the date of start-up; whichever occurs first.

B. Extended Warranty

In addition to the standard warranty, the air end assembly is warranted for 123 months from the date of shipment or 120 months from the date of start-up. All major package components (i.e. package controller, both drive motor and cooling fan motor, and air/oil reservoir.) are warranted to be free of defects in material and workmanship for a minimum period of 63 months from the date of shipment or 60 months from the date of start-up; whichever occurs first.

Program requirements

Registration Form (BU-59) must be completed and returned to manufacturer within 30 days of the compressor package start-up date. Use of genuine OEM parts and lubricant (or warranty kits), as specified in the service manual, must be purchased from an authorized distributor. Participation in oil analysis sampling program and use of approved lubricants is required.

C. Start-Up Service

Start-up service is coordinated by factory trained technicians to ensure equipment is running properly and adjusted to factory specifications. Maintenance instructions will be discussed with the end user to ensure they understand routine maintenance procedures. The maintenance training shall be conducted at the time of equipment start-up.

RCWOSB185061

CERTIFICATION NUMBER

12/28/20

EXPIRATION DATE

Certifies that:

Joy Industries, Inc.

has successfully met the requirements of the NWBOC national certification program for certification as a woman-owned and woman-controlled business.

The identified small business is an eligible WOSB for the WOSB Program, as set forth in 13 C.F.R. Part 127 and has been certified as such by NWBOC an SBA approved Third Party Certifier pursuant to the Third Party Certifier Agreement, dated 06/30/11, and available at www.sba.gov/wosb.



PHYLLIS HILL SLATER
Board Chair, NWBOC

811310

NAICS Code(s)

12/29/19

Date

WWW.NWBOC.ORG

INFO@NWBOC.ORG | 800-794-6140 | 1101 East Cumberland Ave, Suite #301, Tampa, Florida 33602

RCW185060

CERTIFICATION NUMBER

12/28/20

EXPIRATION DATE

Certifies that:

Joy Industries, Inc.

has successfully met the requirements of the NWBOC national certification program for certification as a woman-owned and woman-controlled business.

The identified business has qualified as an eligible Woman Business Enterprise (WBE) as set forth in NWBOC standards and procedures.



PHYLLIS HILL SLATER
Board Chair, NWBOC

424720, 423840, 811310

NAICS Code(s)

12/29/19

Date

WWW.NWBOC.ORG

INFO@NWBOC.ORG | 800-794-6140 | 1101 East Cumberland Ave, Suite #301, Tampa, Florida 33602