



EC DECLARATION OF CONFORMITY

WE:

POLAR TOOLS A/S
Soldalen 9, DK-7100 Vejle, Denmark

Declare in sole responsibility that the equipment

EQUIPMENT: SUPER DUTY VIBRATION-DAMPED AIR BODY SAW

MODEL/SERIAL NO.: 6165-0001

to which this declaration applies, complies with these normative documents:

MACHINERY DIRECTIVE: 2006/42/EC

and conforms to the following EN standards,

ISO 12100	ISO 11148-12
ISO 15744	ISO 28927-8

Authorized representative established within the EU(if applicable):

Company Name: Polar Tools A/S

Company Address: Soldalen 9, DK-7100 Vejle, Denmark

Person responsible for compiling the technical file established within the EU:

Name, Surname: Mikael Linde

Address: Jens Grøns Vej 1, DK-7100 Vejle, Denmark

Note: This declaration becomes invalid, if technical or operational modifications are introduced without the manufacturers consent.

Name and Signature/Position Title

Date and place

Mikael Linde, Owner

Denmark, July 6, 2018

OPERATING INSTRUCTIONS



IMPORTANT

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool. Keep these instructions in a safe accessible place.

MANUFACTURER/SUPPLIER

Polar Tools A/S
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PRODUCT TYPE
AIR BODY SAW - LOW VIBRATION

MODEL
6165-0001



SAFETY RULES



For multiple hazards, read and understand the safety instructions before installing, operating, repairing, maintaining, changing accessories on, or working near the power tool. Failure to do so can result in serious body injury.



OPERATION GUIDES

Safety regulations while using POLAR air saw.

- Air pressure** Always use clean and dry air to operate the tool at 90 psi (6.2 bar) and do not exceed maximum working air pressure at 90 psi (6.2 bar).
- Air line** Use a fitting air hose for connection between the compressor and tools. The compressed air is cooled and its water content would be sorted when air blows out from the compressor. Part of the water could compress in the pipe and permeate into the tool's mechanism causing mechanical failures. It would be strongly recommended to install an air filter, moisture separator, regulator and lubricator among the air supply and the air tools.
- Air hose** Before connecting the hose to air tool, please clean the hoses with a blowout of compressed air. This will prevent both moisture and dust content within

the hose from entering the tool and causing possible rust and malfunction.

- 4. Inserter Tools** Any other use is prohibited.
- 5. Personal Protecting Devices** It is necessary to wear approved eye and hearing protector, mouth-muffle and safety gloves when operating the tools.
- 6. Operating the tool** Choose a fixed footing position to overcome any incoming reaction forces that may occur from the tool during operation. Do not over grip the tool.
- 7. Suspension devise** If the tool is to be used with a balancer or other suspension devise, ensure that the tool is firmly attached to the suspension/support device.
- 8. Air supply** Turn off the air supply to the tool and press the on/off valve to exhaust the air from the feed hose before installing, removing or adjusting any accessory on this tool.

9. Entanglement Be aware of entanglement of moving parts of the tool with clothing neckties, long hair, jewelry, watches and etc. This could cause the body or parts of the body to be drawn toward and in contact with the moving parts and may be dangerous.

10. Exhaust Be aware that the exhaust air does not point toward to any other person or material that could be contaminated by oil droplets.

11. Electricity This tool is not electrically insulated. Never use the tool if there is any opportunity of contact with live electricity.

12. Do not lay down the tool until the working attachment has stopped moving completely.

13. The working places shall keep ventilating.

14. If any air supply break down - relieve the on-off device.

15. Use only the lubricant recommended by POLAR.

16. It is possible to attach a second handle to fix the tool to a suspension device, even if it is not delivered with tool.

OPERATIONAL METHOD

1. The on/off device is designed inside or outside of the grip. It is a "plug-and-run" type. The tool will stop operation/rotation a few seconds after relieving the level control.

2. Use accessories recommended by POLAR. Using accessories other than recommended by POLAR may cause safety risk, decrease of tool performance.

3. The speed set up device is indicated by an arrow mark and intergraded with an indication either marked by "H"

(high) and "L"(low) or by "+"(high) and "-"(low), rotating the knob to desired speed.

MAINTENANCE & REPAIRS

1. Lubrication Before connecting the air hose, it should apply 4 to 5 drops of pneumatic air tool oil at air inlet. Repeat oiling after 3 to 4 hours operation.

2. Fastening of parts Do the regular check if all the connecting parts are fastened securely and properly. It is necessary to go through this check daily before starting your work.

3. Cleaning Dusty and oily surface on the handle will infect the grip. Cleaning the handle with dry clothing is strongly recommended before operating this tool.

4. Storage Store the tool in dry and clean environment. If not using the tool for a long period of time, the residual moisture inside the instrument could cause rust. Before storage, oil the instrument at air inlet with pneumatic air tool oil and operate it for a short period.

REPAIRS

Make use of original spare parts for all maintenance and repairing job.

Major service of maintenance and repairs should be carried out by well-trained persons or POLAR.

DISPOSAL

Be aware of the national legislation of waste disposal. Never dispose of the air tool into fire.

This product must not be disposed with normal household waste.

14. Be sure that working environment is clear enough to perform work safely. Any unexpected slip, trip and fall are major reason of serious injury. Especially be aware of excess hose left on the working or work surface. Be aware of the whipping compressed air hose.

15. Never attempt to modify the instrument for other uses.

16. The power tool is not electronically insulated for coming into contact with electric power source.

17. Keep the power tools away from the reach of children and do not allow persons unfamiliar with power tools to operate the power tool. Power tools are dangerous in the hands of untrained users.

18. Do not modify this power tool. Modifications can reduce the effectiveness of safety measures and increase the risks to the operator.

19. Do not discard the safety instructions, give them to the operator.

20. Always wear impact-resistant eye protection during operation of the power tool. Protection required should be assessed for each use.

21. For work over the head, wear a safety helmet.

22. Use of the tool can expose the operator's hands to hazards, including cuts, abrasions and heat. Wear suitable gloves to protect hands.

23. Operators and maintenance personnel shall be physically able to handle the bulk, weight and power of the tool.

24. Hold the tool correctly; be ready to counteract normal or sudden movements and have both hands available.

25. When using this power tool to perform work-related activities, the operator can experience discomfort in the hands, arms, shoulders, neck or other parts of the body.

26. While using this power tool, operator should adapt a comfortable posture whilst maintaining a secure footing and avoiding awkward or

off-balanced postures. The operator should change posture during extended tasks, which can help avoid discomfort and fatigue.

27. If the operator experiences symptoms, such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensations or stiffness, these warning signs should not be ignored.

The operator should tell the employer and consult a qualified health professional.

28. Ensure that the workpiece is securely fixed.

29. Do not use the power tool if it has been damaged.

30. Make sure there are no electrical cables, gas pipes, etc., that can cause a hazard if damaged by use of the tool.

31. Only qualified and trained operators should install, adjust or use the power tool.

32. The working places shall be ventilated, clean and illuminated.

33. Slips, trips and falls are major causes of workplace injury. Be aware of slippery surfaces caused by the use of the tool and also of trip hazards caused by the air line or hydraulic hose.

34. Proceed with care in unfamiliar surroundings. Hidden hazards, such as electricity or other utility lines, can exist.

35. Dust and fumes generated when using power tools can cause ill health (for example, cancer, birth defects, asthma and/or dermatitis); risk assessment and implementation of appropriate controls for these hazards are essential.

36. Risk assessment should include dust created by the use of the tool and the potential for disturbing existing dust.

37. Where dust or fumes are created, the priority shall be to control them at the point of emission.

38. Direct the exhaust to minimize disturbance of dust in a dust-filled environment.

39. Operate and maintain the power tool as recommended in these instructions handbook, to minimize dust or fume emissions.

40. All integral features or accessories for the collection, extraction or suppression of airborne dust or fumes should be correctly used and maintained in accordance with the manufacturer's instructions.

41. Select, maintain and replace the consumable/inserted tool as recommended in the instruction handbook to prevent an unnecessary increase in dust or fumes.

42. Use respiratory protection in accordance with employer's instructions and as required by occupational health and safety regulations.

43. Do not lubricate tools with flammable or volatile liquids such as kerosene, diesel or jet fuel.

44. Unprotected exposure to high noise levels can cause permanent, disabling hearing loss and other problems, such as tinnitus (ringing, buzzing, whistling or humming in the ears).

45. Appropriate controls to reduce the risk may include actions, such as damping materials to prevent workpieces from "ringing".

46. Risk assessment and implementation of appropriate controls for these hazards are essential.

47. Operate and maintain power tool as recommended in the instruction handbook, to prevent an unnecessary increase in noise levels.

48. Select, maintain and replace the consumable/inserted tool as recommended in the instruction handbook, to prevent an unnecessary increase in noise.

49. If the power tool has a silencer, always ensure it is in place and in good working order when the power tool is operating.

50. Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.

51. Wear warm clothing when working in cold conditions and keep your hands warm and dry.

52. If you experience numbness, tingling, pain or whitening of the skin in your fingers or hands, stop using the power tool, tell your employer and consult a physician.

53. Operate and maintain the power tool as recommended in the instruction handbook, to prevent an unnecessary increase in vibration.

54. Hold the tool with a light but safe grip, taking account of the required hand reaction forces, because the risk from vibration is generally greater when the grip force is higher.

55. Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.

56. Cold air shall be directed away from the hands.

57. Keep others a safe distance from your work area, or ensure they use appropriate personal protective equipment.

58. Do not use quick-disconnect couplings at tool inlet. Use hardened steel (or material with comparable shock resistance) threaded hose fittings.

59. Whenever universal twist couplings (claw couplings) are used, lock pins shall be installed and whipcheck safety cables shall be used to safeguard against possible hose-to-tool and hose-to-hose connection failure.

60. Do not exceed the maximum air pressure stated on the tool.

61. Never direct air at yourself or anyone else.

62. Never carry an air tool by the hose.

63. Keep the power tools safe by regular preventative maintenance.

64. Check the speed and make a simple check of the vibration level after each service.

65. Check the speed regularly.

66. Do not use blades which are cracked or deformed.

67. Ensure that the blade is properly clamped.

68. Do not stop rotation of the disc by a lateral pressure on it.

69. Moveable guard must not be locked in the open position.

70. Make sure that the guard for the rotary saw blade, if mounted on the saw, is in place and is correctly mounted and functions properly.

71. Make sure that sparks if emitted are directed so as not to cause a hazard.

72. Disconnect power tools from the energy source before changing blades or making adjustments.

73. Rest the guide plate fully on the workpiece.



WARNING

1. Extended exposure to vibration causes injury.

2. The power tools shall not be operating in explosive atmospheres unless it is specially designed for this purpose.

3. Disconnecting the air hose before changing or adjusting any inserted tools.

4. Before operating the instrument, be sure of all couplings and plugs are tightly secured.

5. Avoid any loose baggy clothing, long hair or any other personal accessories too close to the moving part to minimum the risk of being caught, trapped or drawn down into rotating devices.

6. Never touch the trigger when connecting the air supply hose.

7. Never point air tool at oneself or any other person. It could cause serious injury.

8. Any unexpected high pressure which exceed the maximum pressure could cause injury to the user.

9. Be sure of the rotating direction before operating the tool to minimize hazardous situations for any unexpected rotating direction.

10. Always wear eye and face protection devices to prevent danger from high speed splinters being emitted from the tool in cause of inserted tool malfunction.

11. Always use breathing protection device to avoid any inhaling dust or handling debris during work that could be harmful to the health.

12. Always use hearing protection during operation. High sound level can cause permanent hearing loss.

13. Never operate the tool after use, it may cause the attachment of the tool thrown out to cause serious injury .

TECHNICAL SPECIFICATION

PRODUCT TYPE		MODEL: 6165-0001	
Air body saw - low vibration			
STROKE LENGTH	14 mm	AIR INLET: 1/4" NPT	AVERAGE AIR CONSUMPTION: 65 L/Min (2,3 CFM)
STROKES PR. MIN.	10.000 BPM	HOSE SIZE: 3/8" (10 mm)	WEIGHT: 0,6 Kg
VIBRATION LEVEL	5,45 m/s ²	AIR PRESSURE: 6,2 Bar (90 P.S.I.)	