

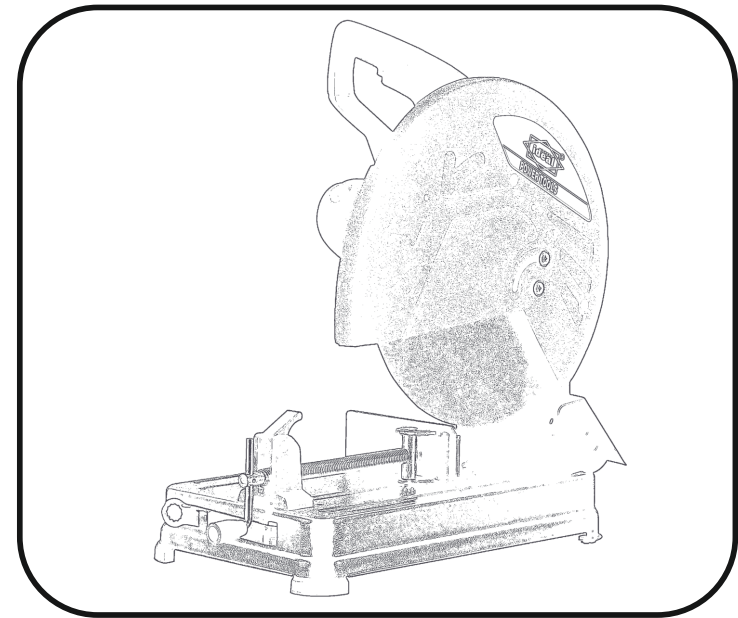


**POWER TOOLS**

# **CIRCULAR SAW ID C0355N**

**Part No.: 28956**

## **OPERATION INSTRUCTIONS**



Read through carefully and understand these instructions before use.

- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
  - f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
  - g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust related hazards.
- 4) Power tool use and care
- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
  - b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
  - c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
  - d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
  - e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
  - g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- 5) Service
- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.



**WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.  
"ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

3) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.



Please open the fold-out page with the illustration of the machine and leave it open while you read these operating instructions.

### 3 FUNCTION

#### Intended Use

The machine is intended for stationary use to perform lengthways and crossways straight cuts or miter cuts to 45° in metal materials without the use of water.

#### Product Specifications

Cut-off machine		87009
Rated Voltage	V~	220-240
Rated Frequency	Hz	50/60
Rated Input Power	W	2400
Rated Speed	r/min	3900
Max Diameter	mm	355

### 2 SPECIFIC SAFETY RULES

#### FOR CUT-OFF MACHINE

If the power cable is damaged or cut through while working, do not touch the cable but pull the power plug immediately. Never use the machine with a damaged cable.

Wear protective glasses and hearing protection. Dust is generated while working that can be detrimental to health, inflammable or explosive. Suitable protective measure are required.

For example: Some types of dust are considered to be carcinogenic. Use suitable dust vacuuming and wear a dust protection mask.

Light metal dust can burn or explode. Always keep the workplace clean since mixed materials are especially dangerous.

Wear protective gloves and sturdy shoes. When necessary, also wear an apron.

Connect machines that are used outdoors by means of a fault current circuit breaker (FI-) with a maximum triggering current of 30 mA. Use only an extension cable that is approved for outdoor use.

Always lead the cable to the rear away from the machine.

Use the machine only for dry cutting.

Take hold of the electric tool only by the insulated handle when the cutting tool used could come in contact with hidden wiring or its own power cable. Contact with voltage carrying wiring can place the metal parts of the machine also under voltage and lead to an electrical shock.

Never stand on machine. Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.

Use cutting disks whose allowable speed is at least as high as the no-load speed of the machine. Check the cutting disk before use.

Keep your body positioned to either side of but not in line with the cutting disk. In case of a burst disk, your body is better protected from possible fragments.

The cutting disk must be flawlessly mounted and be able to rotate freely. Make a test run of at least one minute without load. Do not use damaged, out-of-round or vibrating cutting disks.

Always correctly adjust the depth stop. When the depth stop is not properly adjusted, the cutting disk can cut into the surface underneath the base plate.

During operation, the cutting disk cover must be attached and the protective pendulum hood must be functioning properly.

Do not work with magnesium or materials containing asbestos.

Protect the cutting disk from impacts, shocks and grease.

Apply the machine to the work piece only when it is switched on.

Keep your hands away from the rotating cutting disk.

When cutting metal, sparks are generated. Take care that no persons are endangered. Because of the danger of fire, no combustible materials should be located in the vicinity (spark flying zone).

Blocking of the cutting disk leads to a jerking reaction of the machine. In this case, switch off the machine immediately.

Do not ram the cutting disk with force into the work piece or apply too much pressure when using the machine. Avoid especially the catching of the cutting disk when working on corners, sharp edges, etc. When the cutting disk is damaged due to misuse, it may develop cracks that could lead to bursting without warning.

Avoid overloading the motor especially when working with large work pieces. When cutting, apply only light pressure to the handle.

Observe the dimensions of the cutting disk. The hole diameter must fit on the tool spindle or the adapter without play.

Do not apply sideways pressure to the cutting disk.

Observe the instructions of the manufacturer for the mounting and usage of the cutting disk.

Caution! The cutting disk continues to run after the machine is switched off.

Actuate the spindle locking only when the cutting disk is at a standstill.

The cutting disk becomes very hot while working; never take hold of it before it has cooled.

BAW can ensure flawless functioning of the machine only when original accessories intended for the machine are used.

Parts Breakdown					
Fig	Parts Name	Qty.	Fig	Parts Name	Qty.
1	BALL BEARING 6000 2RZ-SYBS	1	41	SWITCH	1
2	SHAFT RING φ20	1	42	WASHER φ4	1
3	GEAR	1	43	SCREW M4X8	1
4	BALL BEARING 6204 2RZ-SYBS	1	44	BRUSH HOLDER	2
5	FRONT COVER	1	45	CARBON BRUSH	2
6	SQUARE KEY	1	46	BRUSH COVER	2
7	SPINDLE	1	47	FIBER MAT	2
8	PLATEN	2	48	SCREW M6X16	2
9	ABRASIVE DISC	1	49	LATERAL PIN	1
10	PLATEN COVER	1	50	NUT M6	1
11	HEX SCREW M10X20	1	51	WASHER φ6	2
12	WHEEL GUARD	1	52	PEDESTAL	1
13	CROSS SCREW M6×16	4	53	SPRING	1
14	LOCK NUT M6	2	54	SPARK CATCHER	1
15	ASSISTANT WHEEL GUARD	1	55	SCREW M6X16	1
16	RUBBER TACK	3	56	SCREW M10X20	2
17	SCREW M6X8	2	57	WASHER φ10	2
18	CROSS SCREW ST4X14	8	58	WASHER φ10.6Xφ20X2	1
19	LEFT HANDLE	1	59	FLANGE FIX SHAFT	1
20	CORD	1	60	SCREW ROD CONTROL BLOCK	1
21	CORD SLEEVE	1	61	SCREW ROD WASHER	1
22	CORD CLAMP	1	62	WASHER φ8.5Xφ18X1.5	1
23	RIGHT HANDLE	1	63	PIN φ10X32	1
24	SCREW M5X8	2	64	SCREW ROD BRACKET	1
25	SCREW M5X45	4	65	PIN φ4X14	2
26	MOTOR HOUSING	1	66	BAFFLE	1
27	STATOR	1	67	WASHER φ8.4Xφ24.5X3	1
28	WASHER φ5	2	68	WASHER φ8	3
29	SCREW M5X75	2	69	NUT M8	2
30	WIND SHIELD	1	70	SCREW ROD	1
31	BALL BEARING 6200-2RZ-XAJ	1	71	SCREW ROD HANDLE	1
32	DUSTPROOF RING	1	72	HANDLE COVER	1
33	ROTOR	1	73	SHAFT RING φ8	1
34	BALL BEARING 6202-2RZ-XAJ	1	74	RUBBER FEET	3
35	HOLDER PIN	1	75	WASHER φ8	2
36	SELF LOCK PIN	1	76	SCREW M8X18	2
37	SELF LOCK SPRING	1	77	SPANNER	1
38	SCREW M10X80	1	78	RUBBER COLUMN	1
39	NUT	1	79	RUBBER CUSHION	1
40	GEAR BOX	1	80	BAFFLE	1

## 4 OPERATING INSTRUCTIONS

### Before Use

To ensure safe handling, the feet of the base plate must be placed on a suitable platform (e.g. work-bench, even floor, etc.).

## 5 MAINTENANCE AND SERVICE

### Maintenance

Should the machine fail in spite of careful manufacturing and testing procedures, have the repairs performed by an authorized customer service location for Dawerelectro-tools.

For inquiries and spare parts ordering, please include the 10-digit order number on the nameplate of the machine.

Always keep the machine and the ventilation slits clean for efficient and safe working. When working with metal under extreme conditions, conductive dust can be deposited on the interior of the machine. In such cases, frequently blow out the machine through the ventilation slits and connect by means of a fault current circuit breaker (FI).

The pendulum protective hood must always be able to move freely and close by itself. Therefore, always keep the area around the pendulum protective hood clean.

### Putting in to Operation

Do not load the machine so heavily that it comes to a standstill.

Advancing too fast considerably reduces the performance capabilities of the machine and shortens the service life of the cutting disk.

The cutting disk becomes very hot while working; do not take hold of it until it has cooled.

Use only cutting disks that are suitable for the material to be worked.

### Disposal

Tool, accessories and packaging should be sorted for environment-friendly recycling.

The plastic components are labeled for categorized recycling.



