



## Operation and Maintenance Guide



### Electric Angle Grinders

Models	Descriptions	IMPA Code
AG4E-110V/220V	Electric Angle Grinders	59 10 21 / 59 10 31
AG5E-110V/220V	Electric Angle Grinders	59 10 22 / 59 10 32
AG6E-110V/220V	Electric Angle Grinders	59 10 23 / 59 10 33
AG7E-110V/220V	Electric Angle Grinders	59 10 24 / 59 10 34

Read this manual carefully before installing, operating or servicing this equipment. It's the responsibility of the employer to ensure this manual is read by the operator. Please preserve this manual.

This document is issued with Product Serial No

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## Introduction

Teryair Electric Angle Grinders are used for continuous heavy duty work for all grinding applications.

## Technical Data

<b>Teryair Model No</b>	<i>IMPA Code</i>	<i>For Wheel Diam</i>	<i>Power Supply</i>	<i>Input Power</i>	<i>Frequency</i>	<i>No Load Speed</i>
AG4E-110V	59 10 21	100 mm	AC110V 1PH	680 W	50/60 Hz	11000 RPM
AG5E-110V	59 10 22	125 mm	AC110V 1PH	800 W	50/60 Hz	11000 RPM
AG6E-110V	59 10 23	150 mm	AC110V 1PH	1600 W	50/60 Hz	8500 RPM
AG7E-110V	59 10 24	180 mm	AC110V 1PH	2000 W	50/60 Hz	6000 RPM
AG4E-220V	59 10 31	100 mm	AC220V 1PH	680 W	50/60 Hz	11000 RPM
AG5E-220V	59 10 32	125 mm	AC220V 1PH	800 W	50/60 Hz	11000 RPM
AG6E-220V	59 10 33	150 mm	AC220V 1PH	1600 W	50/60 Hz	8500 RPM
AG7E-220V	59 10 34	180 mm	AC220V 1PH	2000 W	50/60 Hz	6000 RPM

## Intended Use

The use of Electrically operated Angle Grinders are recommended for removal of any types of surface irregularities, Castings Fins, leveling of weld joints, Smoothing of Torch / Flame cut edges, Grinding of stones & masonry with more effective & efficient manner.

This grinder is user friendly as it fits into even a tightest / narrow sharp corners and at small space to perform its defined function.

- Always wear ear protectors when using the angle grinder.
- Do not overreach - Keep proper footing and balance at all times.
- Do not use tool if Switch does not turn it "ON" or "OFF", it is dangerous.
- Check wire before use, and ensure that all connections are secure.
- Do not carry out any alterations or modifications to the angle grinder.

## Safety Instructions

- Stay alert and use common sense - Do not operate the tool when you are tired or under the influence of alcohol, drugs or medication.
- Always wear eye protectors when using the angle grinder - Eye protectors must provide protection from flying particles from the front and the side.

## Work Environment

- Do not disconnect the Tool release the operating Knob of tool and then switch off electric supply, disconnect the plug from power and then make any adjustment, changing of accessories or storing of tool.
- Store the tool in its box in dry, secure environment.

- Keep the work area clean and tidy.
- Dress appropriately - Do not wear loose clothing or jewellery. Tie long hair out of the way.
- Keep children and visitors away - Do not let children handle the angle grinder.
- Make sure that any other persons in the work area are dressed suitably and are wearing eye and ear protectors.
- Do not operate the tool where there are Rain / Water or flammable liquids or gases.
- Keep the supply cord wire away from heat, oil and sharp edges.
- Do not fit the Tool to any stand or clamping device that may damage the tool.

## Recommended Power Supply Connection

1. Before connecting electricity, make sure that the supply voltage matches the one marked on tools.
2. Source power must contain ELCB (Earth Leakage Circuit Breaker) to be present.

## Description & Operation

This is powered by an electric motor. The motor drives a geared head at a right-angle on which is mounted an abrasive disc or a thinner cut-off disc, either of which can be replaced when worn.

This Angle Grinder is with an adjustable guard and a side-handle for two-handed operation.

Main Body dia Grip ensures the perfect grip with comfort for user.

Its compact and light weight size ideal for overhead applications.

The side handle is easily removable and mounted to wards the front of the tool and can be set to accommodate both right and left handed user for maximum comfort and control for user.

Spindle Lock allows for quick, easy and perfect change of disc and accessory.

The Carbon Brushes are easily changeable for on site maintenance.

Angle Grinder, depending on their speed range, can be used as sanders, employing a sanding disc with a backing pad or disc. The backing system is typically made of hard plastic, phenolic resin, or medium-hard rubber depending on the amount of flexibility desired.

Follow the instructions carefully mentioned here to enhance the life and performance of your grinder.

## Packing Box Contains

Main Tool with Loc Nut	1 Unit
18 AWG x 2 Core Cod Wire 1.5 Mtr.Long With 2 Pin Molded Plug	1 no
Wheel Guard	1 no
Carbon Brush	2 no
Side Handle	1 no
Tightening Spanner For Lock Nut	1 no
Operation and Maintenance Manual	1 no

## EU DECLARATION OF CONFORMITY

We hereby certify that the Listed Product stipulated below comply with all relevant provisions of the machinery directive (2006/42/EC) and the national laws and regulations adopting this directive.

Description :

Model Number :

Date :

Serial Number :

Is in conformity with the provisions of the following European Directives: (2006/42/EC) Machinery Safety and Harmonized standards

ISO 12100-1: 2010: Safety of Machinery –general Principles for Design –Risk Assessment and Risk Reduction.

Registered Office : 416 Gundecha Industrial Complex, Akuril Road,  
Kandivali East, Mumbai – 400101, Maharashtra, India.

Web site : [www.teryair.com](http://www.teryair.com)

Works : A-1, Tirupati Udyog Nagar, Sativali Road, Vasai East,  
Palghar – 401208, Maharashtra, India.

CE certification registration no – C E 16832

Issued by – BMQR Certifications Pvt Ltd.  
[www.cemarking-india.com](http://www.cemarking-india.com)

Valid Till – 03/11/2021

Signed for and on behalf of



TERYAIR EQUIPMENT PVT. LTD.

Place of Issue:

Date:



# Warranty Certificate

Every product manufactured by Teryair  
is built to meet the highest standards of quality.

Teryair warrants that the Products, accessories and parts manufactured or supplied by the company be free from defects in material and workmanship for a period of six months from date of Teryair authorized dealer invoice to customer, or one year from date of Teryair invoice to dealer, whichever is earlier. Failure due to normal wear, misapplication, or abuse is, of course, excluded from this warranty.

Since the use of Teryair products and parts is beyond our control, Teryair cannot guarantee the suitability of any product or part for a particular application and Teryair shall not be liable for any consequential damage or expense arising from the use or misuse of its products on any application. Teryair does not warranty bought out products or components such as electric motors and hardware but will assist in directing warranty queries to the dealer/manufacturer responsible. Teryair responsibility is limited solely to replacement or repair of defective Teryair products or components.

Dealer/End User shall have no right or remedy and Teryair shall have no liability or obligation under the warranty, if:

- (i) a Product is altered, changed, modified or tampered with in any way;
- (ii) a Product is damaged after deposit with the transporter for shipment;
- (iii) a Product is not properly preserved, packaged, stored, processed or handled after receipt;
- (iv) a Product is not used and maintained in accordance with Teryair's recommended operating and maintenance manuals, instructions and procedures, if any;
- (v) a Product is not properly incorporated or installed in, or not properly combined with, an Other Product;
- (vi) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, a failure, substandard performance or other issue with another product, material, component or part not supplied by Teryair;
- (vii) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, compliance with any design, specification or other specific requirement of Dealer/End User;
- (viii) a Product is used in a manner, with a substance or for a purpose other than the normal manner, substance and purpose for which it is intended or is otherwise subjected to abnormal use or service;
- (ix) a Product is subjected to a power surge, brown out or other similar occurrence;
- (x) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, normal wear and tear of such Product (including, without limitation, things such as worn seals, diaphragms, balls, O rings, gaskets, chisels, cutters, hoses and other such wearing components);
- (xi) the issue with a Product is directly or indirectly

Dated :

Product Model Number :

Product Serial Numbar :

A handwritten signature in blue ink, appearing to read "Ajay Bhagat", written over a circular stamp.

Ajay Bhagat, Q.A. Manager

(Company Seal)

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