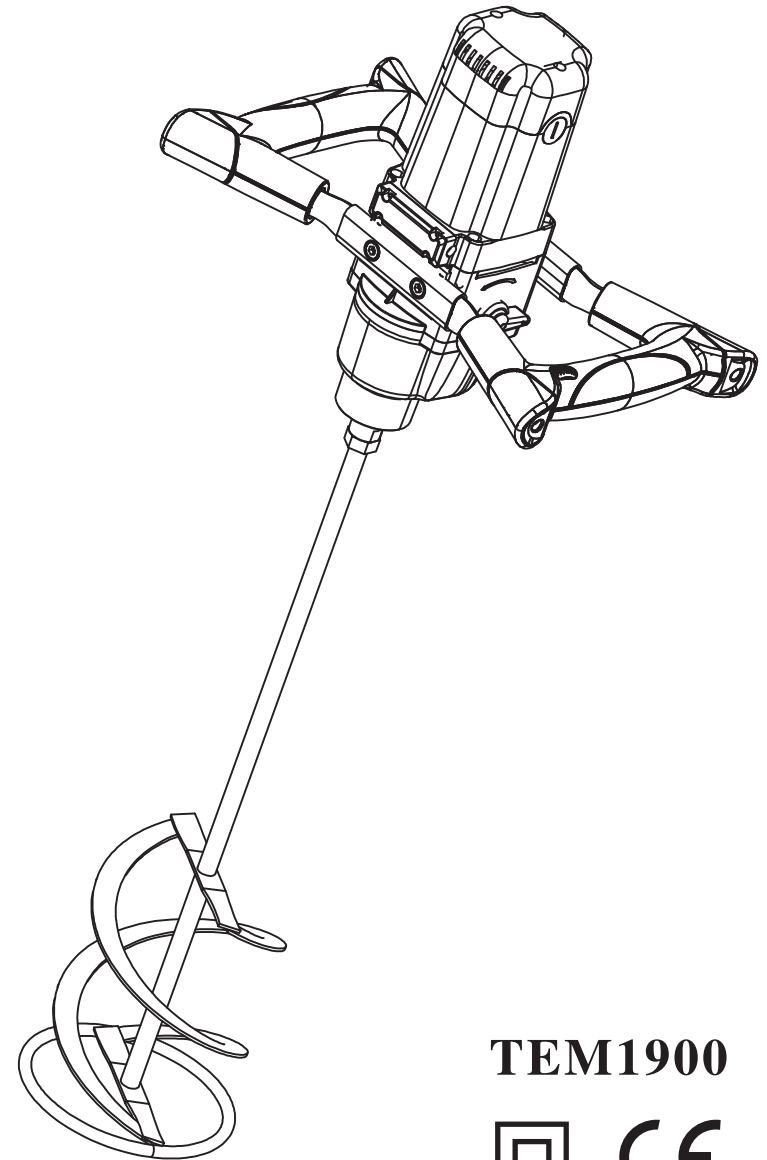


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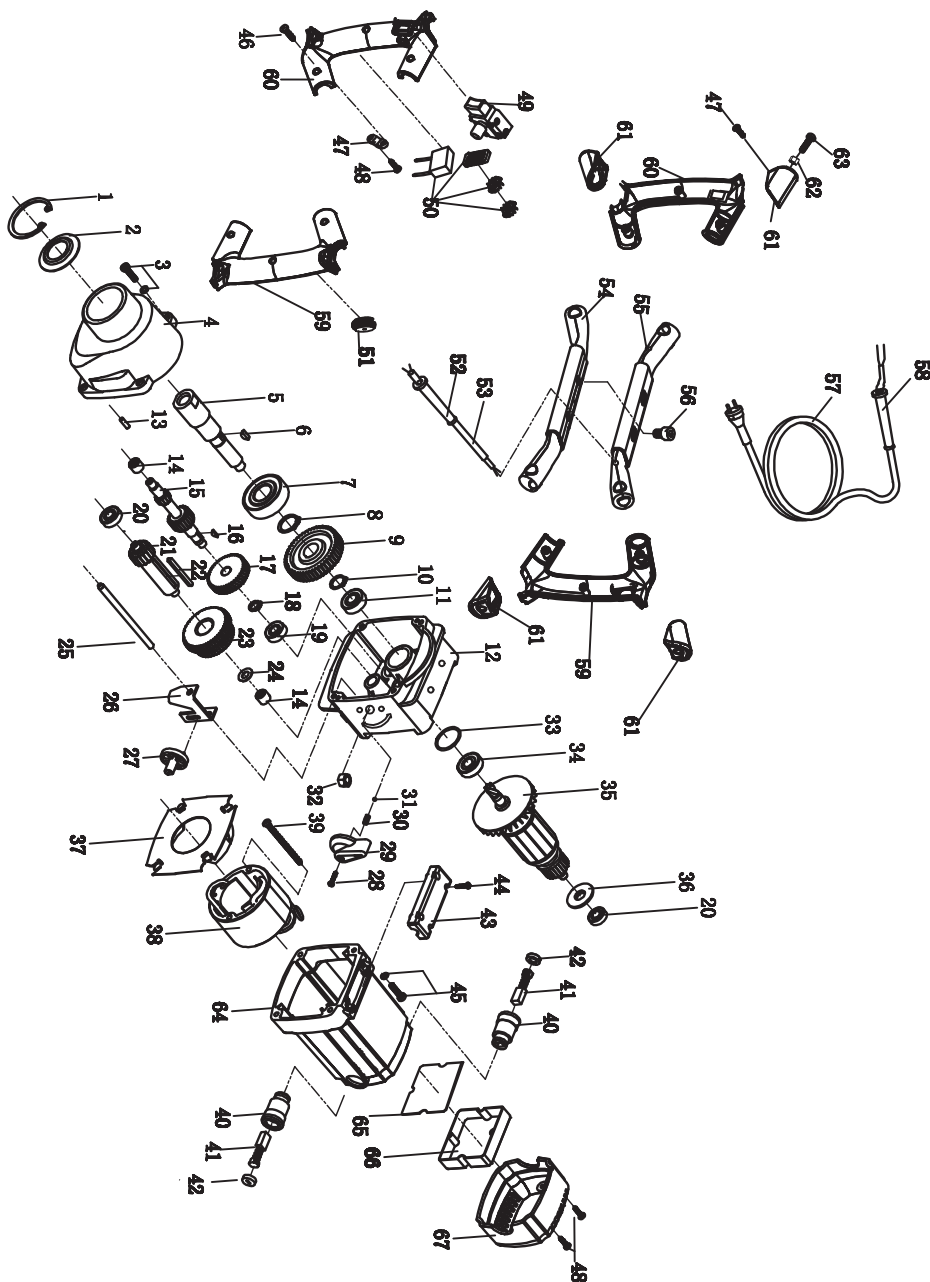
ELECTRIC MIXER



TEM1900



TEM1900 Parts List					
No.	Description	qty	No.	Description	qty
1	Safety ring \varnothing 47	1	34	Ball bearing 6001 2RS	1
2	Dust cover	1	35	The rotor	1
3	Screw ST5X20	4	36	Insulation gasket	1
4	Bearing cover 4#	1	37	Airguide shim	1
5	Spindle	1	38	The stator (including the brush ring)	1
6	Hemicycle key4X5X12	1	39	Screw ST5X65	2
7	Bearing 6204 ZZ	1	40	Brush holder	2
8	Safety ring \varnothing 20	1	41	Carbon brush	2
9	Spindle gear	1	42	Brush cap	2
10	Safety ring \varnothing 15	1	43	Clamp	1
11	Bearing 6000ZZ	1	44	Screw M5X25	4
12	Gear box	1	45	Screw ST3.9X20	10
13	Pin 4*12	2	46	Clamp	3
14	Needle bearing HK0810	2	47	Screw ST3X16	8
15	The second active gear shaft	1	48	Switch	1
16	Hemicycle key2.5X3.7X10	1	49	Capacitance and inductance	1
17	Motor gear	1	50	Speed Control Knob	1
18	Safety ring \varnothing 10	1	51	Sleeve	2
19	ball bearing 698 zz	1	52	Cable	2
20	Ball bearing 608 zz	2	53	Steel pipe (no hole)	1
21	The third active gear shaft	1	54	Steel pipe (with one hole)	1
22	Parallel key 4×4×45	1	55	Screw M8X12	4
23	Spindle double gear	1	56	Power cord	1
24	Flat washer \varnothing 16*8*0.8	1	57	Sleeve (Big)	1
25	Pivot \varnothing 6*106	1	58	Left handle	1
26	Coulisse	1	59	Right handle	1
27	Eccentric + eccentric core	1	60	Corner protection	4
28	Screw ST3.5X12	2	61	Nut M5	4
29	Lever	1	62	Screw M5X20	4
30	Spring \varnothing 0.5* \varnothing 3.9*L12	1	63	Plastic housing	1
31	Ball \varnothing 4	1	64	PCB	1
32	Nut M8	2	65	PCB seat	1
33	Sealring \varnothing 28*1.9	1	66	Cover of the plastic housing	1



Technical Data

Model	TEM1900
Power input	1900w
No-load speed	1st Gear 150-300min ⁻¹
	2st Gear 300-650min ⁻¹
Chuck Capacity	Φ 16
Whisk – Φ	160mm
Weight	7.0kgs
Class of protection	II/□

Control Elements

- 1 Switch/regulator
- 2 Arresting pin
- 3 Ventilation holes
- 4 Tool mount
- 5 Speed selector switch
- 6 Supplementary handle
- 7 Flat open-end wrench
- 8 Whisk

Not all of the accessories illustrated or described are included as standard delivery.

Safety Precautions



Safe work with the instrument is only possible after you read thoroughly this manual for use and maintenance and observe precisely the here specified instructions.

- ❑ Observe also other safety directions that are a part of each instrument delivery.
- ❑ Check the flexible lead and plug before each use of the instrument. Have the faults removed by an expert.
- ❑ The instrument should not be operated in damp, wet premises; during a rain, fog and snow in the open, and in environment with a risk of explosion.
- ❑ Before putting the plug in the mains socket the switch should be in the „off“ position.
- ❑ Take care of long hair and fashion accessories, work in properly buttoned-up clothes, without freely flowing parts.
- ❑ Secure the vessel with the mixed substance against moving on the floor.
- ❑ Always direct backwards the flexible lead from the instrument, Flexible lead should not be exerted by tensile stress and should not lie on or pass over sharp edges.
- ❑ Take care that you take a safe and firm stand at work.
- ❑ Use the supplementary handle
- ❑ Consider possible reaction torque.

Starting Operation and Use

Improper use may damage the instrument.

Observe therefore these instructions:

- Use a tool up to the specified diameter.
- Load the instrument in such a way that the speed would not drop considerably or that it would stop.

Check if the data on the rating plate correspond with the actual mains voltage. Instrument scheduled for 230 V can be plugged to 220 V / 240 V mains.

Fixing a whisk

Screw tools with thread M 14 x 2 as far as possible in the tool mount and tighten properly with an open-end wrench (22 mm) from among the accessories.

Switching on and off

By pressing the switch button the apparatus is brought into operation and it stops when this is relieved.

Permanent run

By pressing the switch button to the stop and simultaneous pressing the arresting pin permanent run is achieved.

By subsequent pressing and relieving of the switch button the permanent run is interrupted.

Unloading the tool (whisk)

Fit a flat open-end wrench (22 mm) on the hexagon end of the tool (whisk) and unscrew the tool from the spindle by turning it to the left.

Electronic Motor Control

Starting current limiting

The electronically controlled smooth start takes care that the machine starts without jerk. In this manner, the splashing of thin liquid materials is prevented at the same time when switching on the machine.

As a result of the machine's reduced starting current, a 16 A fuse is sufficient

No-load speed reduction

The electronic control reduces the no-load speed of the machine which results in reduced noise and wear of motor and gear.

Speed pre-selection

With the speed control (50), the speed can be continuously pre-selected:

The necessary speed is dependent on the type of material to be mixed. It is recommended that it be confirmed with a practical trial.

Speed selection

Two rpm ranges can be preselected with the speed selector switch (29):

Speed 1: 150 min⁻¹ - 300 min⁻¹

Speed 2: 300 min⁻¹ - 650 min⁻¹

The necessary speed depends on the type of the material mixed and it is recommended to verify it by a practical test.

Constant Electronics

The constant electronics keeps the speed between no-load and load nearly constant and ensures uniform mixing of the materials.

Electronic overload protection

In case that the machine is extremely overloaded, an electronic overload protection protects the motor from damage. In this case, the motor stops and restarts only after the feeding pressure is reduced, res. after relisf. (M38622)

Temperature-dependent overload protection

To protect the motor from overheating at extreme permanent load, it is switched off by the protective electronic system when a critical temperature is reached.

After a cooling-down period of approx. 3 - 5 min., the machine is again ready for use and can be fully loaded.

When the machine is warmed by use, the temperature-dependent overload protection reacts earlier as a result.

Storage

The unit should be stored in a dry place where it is protected against freezing.

Environmental Protection

Do not open worn out machines and return to the collection facilities provided for recycling.

Maintenance

- ❑ The ventilation slots on the motor casing should be cleaned out from time to time.
- ❑ When the carbon brushes are worn out, the machine switches itself off. The machine must then be sent to customer service for maintenance (see enclosed sheet).
- ❑ After approx. 100 hours of operation, check the motor brushes and replace if necessary. Clean the motor housing.
- ❑ After approx. 200 hours of operation, renew the grease filling in the gearbox.

⚠ To verify that the protective insulation remains intact, the machine must be subjected to a technical safety test afterwards. For this reason, this work must be performed exclusively by a professional electro-workshop

Guarantee

We guarantee appliances in accordance with statutory/country-specific regulations (proof of purchase by invoice or delivery note).

Damage attributable to normal wear and tear, overload or improper handling will be excluded from the guarantee.

In case of compliant please send the machine, undismantled, to your dealer or the Service Centre for electric power tools.