



ISKCO

X-2500 Series

Universal Motor

2500W / 3.25 Hp

115V - 60Hz

Concrete Vibrator

Instruction Manual



WARNING! Read all safety warnings and 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.

■ Introduction

For maximum performance of the equipment please read and follow the safety recommendations, maintenance, and usage listed in this manual. Defective parts should be replaced immediately to avoid major problems.

■ Characteristics, Performance

MOTOR TYPE.....	UNIVERSAL SINGLE PHASE
HOUSING.....	POLYAMIDE 6.6 + 30% GF
POWER.....	2500 Watts / 3.25 Hp
VOLTAGE	115 V 60 Hz
RATED CURRENT	20 A (115 V) L5 Plug
UNLOADED SPEED.....	17.500 RPM
LOADED SPEED.....	12.000 RPM
WEIGHT.....	18.5 lbs / 8.4 kgs
CONNECTION TO FLEXIBLE SHAFT.....	Female Square 1/4"



■ Usage Conditions

 The term “power tool” in the warnings refers to ISKCO X-2500 Series motor.

WORK AREA

1. KEEP your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. DO NOT OPERATE power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
3. KEEP bystanders away while operating the power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

4. GROUNDED TOOLS MUST BE PLUGGED INTO an outlet properly installed and grounded in accordance with all codes and ordinances.
NEVER REMOVE the grounding prong or modify the plug in any way.
DO NOT USE any adapter plugs.
CHECK with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.
5. AVOID body contact with grounded surfaces.
6. DON'T EXPOSE the power tools to rain or wet conditions.
DO NOT ABUSE the cord. NEVER USE the cord to carry or drag the power tool.
KEEP the power cord away from heat, oil, sharp edges or moving parts.
REPLACE damaged cords immediately. Damaged cords increase the risk of electrical shock.
7. WHEN OPERATING the power tool outside, use an outdoor extension cords marked “W-A”, “W” or “H07RN-F”.

PERSONAL SAFETY

8. STAY ALERT, watch what you are doing and use common sense when operating the power tool.
DO NOT USE TOOL while tired or under the influence of drugs, alcohol or medication.
9. USE safety equipment. Always WEAR eye protection, dust mask, non-skid safety shoes, hard hat and hearing protection for appropriate conditions.
10. AVOID accidental starting.
BE SURE switch is OFF before plugging in or connecting/disconnecting the vibrator.
11. DO NOT over extend your reach while operating the power tool. KEEP proper footing and balance at all times.

TOOL USE AND CARE

12. DO NOT USE the power tool if the switch does function properly.
13. DISCONNECT the plug from the power source before making any adjustments, changing vibrator, or storing the tool.
14. STORE idle tools out of reach of children and other untrained persons.
15. MAINTAIN the power tool . Stop use and maintain it immediately if the vibrator casing or the power cord is damaged.
16. Use the power tool in accordance with these instructions, taking into account the working conditions and the work to be performed.

■ **Specific Safety Rules** The power tool is intended as a concrete vibrator motor and SHOULD ONLY BE USED in the specific job it was designed for.

1. Before starting work MAKE SURE the voltage and frequency is correct, has a properly grounded circuit and the plug is not damaged. Always use a properly sized extension cord. Do not use damaged or worn out extension cords.
2. DO NOT pull/move the power tool with the power cord.
3. The vibrator should not run/operate out of concrete more than 1-2 minutes. Bearing damage will occur.

6. DO NOT cut off the power when the vibrator is working in the concrete.
7. Maintenance or service should be performed by a qualified person.

■ Operation

1. GETTING STARTED

Read manual carefully.

2. SHAFT CONNECTION TO POWER UNIT

Power unit is designed to facilitate a quick and safe connection to flexible shaft.

Connection procedure:

- 1). Connect the transmission flex shaft to the quick coupling square drive .
- 2). Be sure the quick coupling is securely lock into position before use.

3. ELECTRIC MOTOR CONNECTION TO THE SYSTEM

Turn off the motor switch before connecting to power source.

4. EARTH CONNECTION (Ground)

Use a properly GROUNDED, circuit protected power source.

5. EXTENSION CORDS

Always use properly sized extension cord

■ PERIODIC MAINTENANCE OF MOTOR

- 1) Every 100 hours the carbon brushes should be inspected .They should be changed if effective length is less than 5 mm. / .196"
- 2) The flexible shaft should be cleaned and lubricated after 200 hrs of run time.