K2060E060 Shaker Kit Selection and Quick Start Guide

This shipment contains _____ K2060E060 Shaker kit(s).
Each kit includes one of each item in this section as noted.

Job # _____

Customer _____

_____ **2060E** Shaker mounted on trunnion base with EasyTurn™ handles.

_____ **2050E09** Amplifier with cable to shaker (8 ft with 15 Amp inline fuse).

_____ **2000X04** Cooling vacuum for 2060E shaker. Includes vacuum hose, hose clamp, and muffler.

50 Hz ☐ 60 Hz ☐

_____ **2000X03** Shaker accessory kit. Includes:

1	Stinger Kit 2155G12 - 3/32"
2	Stinger Kit 2150G12 - 1/16"
3	Trunnion Bolts - Low Profile
4	10-32 Adaptor
5	Chuck Adaptor [1]
6	Stinger Thumb Nuts (qty 6)
7	Chuck and Collet Kit - 1/32", 1/16", 3/32", 1/8" collets
8	Spare Fuse (shaker) [2]
9	K2160G - Piano Wire Stinger Kit
10	Wrench - 7/16"
11	Wrench - 3/8"
12	Wrench - 3/8"
13	Hex Wrench - 1/4"

[1] Typically pre-installed on shaker

[2] Spare fuses (amplifier) - when supplied as a system

Available Accessories/Options

_____ 2050A Lateral Excitation Stand

_____ PCB 288D01 ICP® Impedance Head

_____ PCB 208 Series ICP® Force Sensors. Indicate Model: _____

_____ Type 2120Gxx threaded (10-32) stainless steel rod stingers. Circle length: 9” 12” 18”

_____ Type 2125Gxx threaded (1/4-28) stainless steel rod stingers. Circle length: 9” 12” 18”

_____ Model 8032S Air Ride Test Support

_____ 2060E-CASE Heavy Duty Shipping Case

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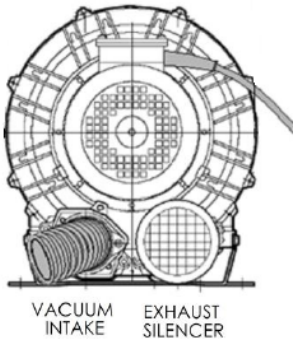
Powering the 2050E09 amplifier

The 2050E09 amplifier requires 200 V- 240 V AC, single phase, 50/60 Hz to operate and it is supplied with a three conductor grounded power cord *without* an attached plug. It is the end user/installers responsibility to install the appropriate plug as needed onto the cable. The wire colors on the 2050E09 power cable adhere to standard U. S. 220V (60 Hz) convention of green (protective ground), white (neutral), and black (L1 line voltage) or IEC 220V (50 Hz) convention of green/yellow (protective ground), blue (neutral), and brown (L1 line voltage).

Wire colors used in buildings vary by country or locality and may adhere to IEC conventions, older standards, or no standards at all. It is the end user/installers responsibility to confirm the wiring in the building before connecting the amplifier.

Connecting the K260E060 shaker kit

1. Connect shaker to amplifier via preinstalled shaker cable
2. Connect cooling hose to the cooling port on the bottom of the shaker with supplied fasteners
3. Connect cooling hose to the vacuum intake port on cooling vacuum (as shown in below picture).
   Note: Air is to be pulled through the shaker via cooling port, not blown into shaker through cooling port.



4. Power cooling vacuum via power outlet on the back of the amplifier. Cooling will automatically turn on when the amplifier is powered up. **Note:** Cooling must always be used while operating the 2060E shaker in the K2060E060 configuration.
5. Using preinstalled power cable, connect amplifier to 220V power (see Powering the 2050E09 amplifier above)
6. Connect input signal via the BNC connector labeled “AC” on the back of the amplifier
7. Turn gain knob to desired setting

2050E09 User tips

- Trip indicator flashing: The “TRIP” indicator flashes if the amplifier has been turned on with the gain out of the reset position or if the external (fault open) interlock is open. The amplifier output is inhibited during this interlock condition. The amplifier will trip if the cooling system is not running or not properly connected to the shaker sucking air from it. The indicator also flashes during a heat sink over-temperature condition. The amplifier output will be compressed if the overheat condition persists but will automatically restore itself after the heat sink temperature drops.
- The output peak voltage bar graph indicates the peak voltage applied to the shaker and will indicate voltage clipping limits and output signal level. It can also be useful in detecting output open circuit problems. The output RMS current level graph indicates the amount of current being delivered to the shaker and can be used to prevent overdriving and subsequent damage to connected loads.

Videos and FAQ guides are available online. Feel free to contact The Modal Shop for support at info@modalshop.com or +1 513-351-9919.