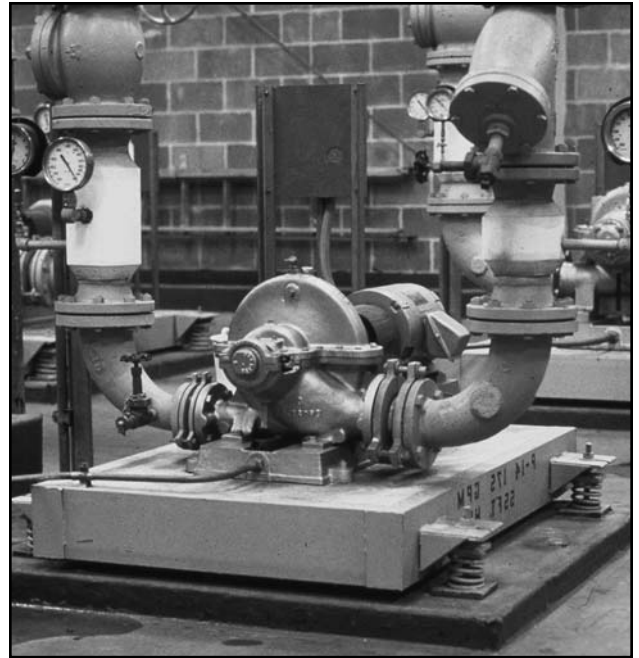


KINETICS™

Inertia Base Frame Model CIB-H



Description

Model CIB-H inertia base frames, when filled with concrete and supported by proper Kinetics vibration isolators, provide outstanding equipment isolation support, anchorage, and vibration amplitude control.

Model CIB-H inertia base frames incorporate welded steel channel perimeter frames of sizes and depths specified. Also included are mounted steel isolator brackets, welded-in steel reinforcing rods, and equipment anchor bolts if required.

Standard Model CIB-H inertia base frames are available in 6", 8" and 12" (152 mm, 203 mm and 305 mm) thicknesses, and include height saving isolator mounting brackets for use with high deflection springs.

Standard steel reinforcing rods are ½" (13 mm) diameter and located on 8" (203 mm) centers each way. Prelocated equipment anchor bolts are fixed into proper location.

Model CIB-H inertia base frames are delivered to the job site completely assembled and ready to fill with concrete. On-job labor and installation time are minimized, resulting in maximum economy.

Application

Kinetics Model CIB-H inertia base frames are specifically designed and engineered to receive poured concrete, to support mechanical equipment requiring a reinforced concrete inertia base. CIB-H inertia base frames are typically used for systems requiring bases of a size not covered by CIB-L inertia base frames.

Typical uses of Kinetics Model CIB-H inertia base frames, with poured concrete, and supported by Kinetics noise and vibration isolators, include use with open-type centrifugal chillers, reciprocating air and refrigeration compressors, chillers, and heat pumps, close coupled and base-mounted pumps, centrifugal fans, internal combustion engines and similar types of equipment.

Inertia bases are used to support mechanical equipment, reduce vibration amplitude, provide for attachment of vibration isolators, prevent differential movement between driving and driven members, reduce rocking by lowering equipment center of gravity, reduce motion of equipment during start-up and shut-down, act to reduce reaction movement due to operating loads on equipment, and act as a partial noise barrier.

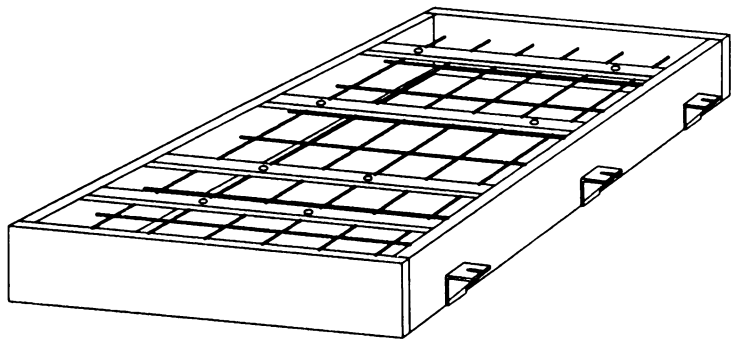
Specifications

Isolation bases shall be constructed of concrete cast into fabricated inertia base frames, the steel members of which are designed and supplied by the isolator manufacturer. The concrete shall be poured into a welded steel frame, incorporating prelocated equipment anchor bolts, 1/2" (13 mm) diameter reinforcing bars on nominal 8" (203 mm) centers each way, and recessed isolator mounting brackets to reduce the mounting height of the equipment, but yet remain within the general confines of the base. The thickness of the base shall be a minimum of 8% of the longest span between isolators, at least 6" (152 mm), or as indicated on the drawings. Where inertia bases are used to mount pumps, the bases shall be wide enough to support piping elbows.

Concrete inertia bases shall be Model CIB-H, as manufactured by Kinetics Noise Control, Inc.

Features

- Welded structural steel perimeter frame
- Thicknesses as required. Standard members are 6", 8" and 12" (152 mm, 203 mm and 305 mm). Other members up to 36" (914 mm) are available
- Base sizes as required
- Height saving welded-on steel isolator brackets
- Welded-in reinforcing bars
- Pre-located anchor bolts
- Optional corrosion-resistant finish



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Kinetics Noise Control, Inc. is continually upgrading the quality of our products. We reserve the right to make changes to this and all products without notice.