

CEMCO Turbo 80 VSI Crusher Produces Consistent Material

CEMCO Inc.'s Turbo 80 VSI Crusher is an efficient, highly productive vertical shaft impact crusher capable of processing a variety of aggregate materials and industrial minerals. Available in two models, the Turbo 80 offers a mid-sized option powerful enough to process materials up to 4 in. in diameter into a uniform, cubical, crushed, high-quality product. Fully customizable, from internal components to portable or stationary configuration, the Turbo 80 is ideal for multiple industries including aggregates, energy production, mining and recycling.

The standard Turbo 80 features a single-drive motor with input horsepower ca-



pabilities up to 400. A compact yet powerful option, this model weighs in at 19,000-lb. and is able to consistently produce up to 275 tph.

Featuring an optimally balanced V-Twin motor design, the Turbo 80 V-Twin offers greater power input and higher product output. The dual-drive Turbo 80 is available with up to 600 hp, weighs approximately 25,000 lb. and offers production capabilities up to 400 tph.

Combining advanced internal components with the principles of centrifugal force, the Turbo 80 crushers offer efficient, economical operation. Material enters through the wear-resistant adjustable feed tube at the top of the crusher and drops onto an impeller table or closed rotor, depending on internal configuration. Revolving at a rate of 500 to 1,600 prm, centrifugal force directs the material from the impeller and casts it at speeds exceeding 300 fps against a stationary, abrasive resistant anvil. The material shatters on natural impact points, resulting in uniform, cube-shaped material with minimal slivered, "slabby"

product. Heavy-duty self-aligning spherical roller bearings enable the unit to handle dynamic loads of up to 163,000 lb.

The final product size produced by the Turbo 80 is controlled by the combination of rotor size and type, rotor speed and other configurations, all determined by each individual customer's needs. Internal configuration options can be adjusted to modify product output, depending on the customer's application and desired material.

Specifically designed for highly abrasive materials, the optional SuperChipper rotor and Anvil Ring combination is ideal for customers processing material such as basalt, cement clinker, glass, abrasive quarry rock and granite. Alternatively, crushers can be equipped with a Shoe Table rotor and Rockshelf anvil for medium to low-abrasion material. Additional combination options are available, providing further customization options for various materials and customer expectations.

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