



Metso Nordberg HP450e Cone Crusher Unit #1631

#HP450EMAC0113

Equipment as Follows:

Metso Nordberg HP450e Cone Crusher

We are pleased to introduce the Nordberg HP450e, the newest and highest performance cone crusher in the new Nordberg HPe Series cone crusher offering. Through enhanced kinematics, crushing force, clamping force and 450 horsepower, the new 52" head HP450e provides significant gains in production capacity and improved particle shape over traditional cone crushers.

New features include an anti- spin brake mechanism, cavity sensor feed level monitoring, and no epoxy backing material required for the bowl liner and mantle.

The Nordberg HP450e is suitable for both secondary and tertiary crushing for portable and stationary installations. Equipped with manganese steel crushing members, bronze bearings and replaceable main frame seat liners. Features include hydraulic bowl clamping and adjustment, automatic tramp iron release and hydraulic clearing of the crusher chamber. Remote control station mounted to side of plant allows convenient operation for adjusting the closed side setting, or for clearing the crusher.

Additional HP cone features include a package lubrication system consisting of an internal independent pump, oil pressure switch, temperature switch, oil tank with strainer, oil level gauge, thermometers at three locations, (2) oil heater with control panel, oil filter and oil cooler (air-radiator type), and crusher tools.

Scope00

Industry - Construction

Lubrication Unit - Standard

Sub frame and guard - Not included

Crusher drive motor - Not included

Automation - Not included



Main Unit

Crusher kinematics - Enhanced kinematics

Main frame liner – Standard

Anti-spin device - Included

Hydraulic motor location - Right to countershaft

Cavity – Pricing includes a liner assembly kit

consisting of a bowl liner, mantle, & retaining hardware

Countershaft speed - 850 RPM

Site Specification

Accumulator certification - Standard

Minimum ambient temperature - Normal cond. down to -15°C/5°F

Maximum ambient temperature - Normal cond. up to 40°C/103°F

Frequency - 60 Hz

Lubrication unit voltage - 265/460V

Norm - UL

Power Transmission

Drive - Single drive

Motor position - Standard btw 8 and 4 o'clock

Grooves type - 8V

Crusher pulley - Included

Motor pulley - Not included

V-Belt - Not included



Rubber pads - Not included

Crusher installation kit - Not Included

Motor housing - IEC

Motor speed/ Pole number - 4 (1500rpm 50Hz/1800rpm 60Hz)

Crusher pulley size - 762 mm

Lub Unit

Control type - Digital

Connection hoses - Not included

Cooler location - On frame

Quantity of Cooler Motors - 1 EA

Cooling medium - Air

Catch tray - Not included

Offline filter - Not included

Tools and Options

Feed extension type - Not Included

Accumulator charging kit - Included

Feed cone lifter – Included

Blower - Included

Head screw hydr wrench - Not included

Serial number plate material - Aluminium

Color - Metso light grey

Certified drawings - Not Included

Quantity of printed manuals - 1

Quantity of spare part books - 1

TAG - Not Included

Lang. for electronic manual - English

Lang. for printed manuals - English

Electronic spare part book - Included

Quantity of spare part books - 1

Lang. for spare part books - English

