

## Metso HP400 Cone Crusher Unit #1386

### #SOR0340

HP (High Performance) Series cone crushers feature a unique combination of crusher speed, throw, and cavity design. This combination has proved revolutionary in providing higher capacity and superior product quality, and in providing a wider range of application suitability.

From limestone to taconite, from ballast production to manufactured sand, and from small portable plants, HP cone crushers provide unbeatable performance in secondary, tertiary, and quaternary applications.

#### Main Info

Lubrication unit - Included, The lubrication unit contains air-oil cooler, which keeps oil temperature ideal for the bearing lubrication. The hydraulic unit helps during the setting and maintenance operations.

Control type - Analog

If Metso automation is not included.

Analog and digital signals available (sensors and switches).• Inductive detector for crusher speed• Pressure sensor for setting calibration• Inductive detector for adjustment setting• Temperature and pressure sensors for start and stop authorizations• Ultrasonic sensor for bowl position. Motor starters are not delivered.

Norm - UL

Frequency - 60 Hz, Frequency band for crusher, lubrication & hydraulic unit, air cooler and blower motors.

Lubrication unit voltage - 265/460V, Main voltage for lubrication & hydraulic unit, air cooler, blower motors and heaters.

Color - Metso beige

#### Main Unit

Crusher eccentricity - Standard

Hydraulic motor location - Right to countershaft

Crusher cavity - Included



Cavity type - Standard coarse

Motor position - Standard btw 8 and 4 o'clock

Drive - Single drive, A single drive configuration provides installation for a single electric motor.

Accumulator certification - Standard certification according to the directive 97/23/EC & ASME VIII div.1 + app.22

Ambient temperature - Normal condition down to -15°C

## Motor

Crusher pulley - Included, Crusher pulley and hub.

Grooves type - 8V Profile used for the crusher pulley, motor pulley and V-Belts

Quantity of motors - 1 EA

Motor supplier - Customer

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

Countershaft speed - 1,050 1/min

Crusher pulley size - 762 mm

## Options

Accumulator charging kit - Included, Tool to check the pressure inside the accumulator and to connect the inflator head to the reducing valve.

### Parts delivered:

- Inflator head
- Manometer
- Hose (to connect the inflator head to the reducing valve)
- Connectors (to connect the inflator head to the accumulators)
- Connector specific to customer country (to adapt and connect hose to the reducing valve)

## Lube Unit

Connection type - "NPT" Connection type of the main return line (between the crusher and lubrication & hydraulic unit).

Fan-cooled

Cooling medium - Air

Cooler type - Air cooler up to 40°C

Quantity of cooler motors - 1 EA

Cooler location - On frame, Air / oil cooler delivered on frame with hose between lubrication & hydraulic unit and cooler.

Documentation

Quantity of printed manuals - 2

Electronic spare part book - Included

Quantity of spare part books - 2

