

# Metso HP400 Cone Crusher Unit #1168

#SOR0274

## Main Info

**Industry** - Construction

**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** – Digital

- If Metso automation is not included. Digital signals available (switches).
  - Inductive detector for adjustment setting
  - Temperature and pressure for start and stop authorizations Motor starters are not delivered.

**Norm** - UL

**Frequency** – 60

- 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.

**Serial number plate material**- Aluminum

- Material of the crusher, lubrication & hydraulic unit and automation identification plates.

**Color** - Metso beige

- Color of the crusher and lubrication & hydraulic unit.

**Instruction plate language**- English

- Language of the warning stickers.

**Main Unit**

**Crusher eccentricity**- Standard

**Main frame liner**- Standard

**Hydraulic motor location** - Right to countershaft

**Crusher cavity-** Included

- For more details about crusher cavity, see Specification Crusher's liners are included and installed.

**Cavity type-** Standard coarse

- For more details about crusher cavity type, see Specification

**Motor position-** Standard btw 8 and 4 o'clock

- Crusher motor installed between 8 and 4 o'clock.

**Drive-** Single drive

- For more details, see technical specification.
- A single drive configuration provides installation for a single electric motor.

**Accumulator certification-** Standard

- Standard certification (CE, ASME, CRN, SELO, AS12100)

**Ambient temperature-** Normal condition down to -15°C

- Lowest accepted ambient temperature.
- Acceptable minimum temperature is -15°C (5°F)

**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

**Motor pulley –** Included

- Motor pulley and hub.

**Motor supplier-** Customer

- Crusher motor. For more details, see technical specification.
- If installed on METSO frame, compatibility have to be checked.

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

**Countershaft speed-** 950

**Crusher pulley size-** 762

**Motor pulley size-** 406 mm

- 0 in

**Pulley drive shaft diameter-** 90 mm

- Dimension "D". If motor pulley is installed on motor shaft, see Picture. Shaft diameter if motor pulley is installed on jack-shaft drive.

#### **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)

#### **Lub Unit**

**Connection type-** "NPT"

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

#### **Fan-cooled**

**Cooling medium-** Air

- Type of cooler
- Air / oil cooler

**Cooler type-** Air cooler up to 40°C

- The highest ambient temperature.
- For this ambient temperature 40°C (104°F), METSO delivers a standard cooler.

**Quantity of cooler motors-** 1

**Cooler location-** On frame



- Location of the air / oil cooler
- Air / oil cooler delivered on frame with hose between lubrication & hydraulic unit and cooler