

# **ATLAS Electric Material Handling Machines**

**6 arguments for  
electrohydraulic  
E-power technology**

## **6 Highlights at a glance**

- 1-** *low energy costs due to higher efficiency.*
- 2-** *service-friendly operation due to low maintenance requirements*
- 3-** *no exhaust emissions – indoor operation possible.  
low-noise operation, low heat generation*
- 4-** *variable connecting options*
- 5-** *vibration-free running – extended service life of all components*
- 6-** *no stops for refueling required*

## 1 Low energy costs due to higher efficiency.

**The efficiency of a diesel engine is approx. 35-40%.**

**The efficiency of an electric motor is approx. 90%**

(losses are only cause by: friction - coil heating up – ventilation)

**The energy savings correspond to approx. 50 %.**

## **2 service-friendly operation requiring almost no maintenance**

The maintenance interval of a diesel engine is approx. 500 operating hours. In addition costs are incurred for travel, engine oil, filter, engine coolant, etc.

The three-phase motors used by Atlas are virtually maintenance-free (visual inspection). A lubrication interval of the bearing is about 10,000 operation hours.

## **3 no exhaust emissions – indoor operation possible**

Environmental-friendly technology because the machine runs completely without exhaust emissions.

Heat and noise generation is low.

The driver can relax while working.

Ideally suited for use indoor and in problem areas.

## **4 Variable connecting options**

**Together with you we develop possibilities of an electric connection of your machine.**

**Options:**

- **Permanent electrical wiring directly to the master control cabinet of the machine**
- **Trailing cable**
- **Fully automatic electrically driven cable reel at the undercarriage**
- **( *Proportional moving speed to machine speed* )**

## **5 and 6 – no vibrations – no refueling**

**The electric motor runs almost vibration-free. This gives the driver a completely new driving experience. In addition, the wear of all components is reduced (particularly hydraulic pumps)**

**No need for refueling stops and holding stock of diesel fuel (space and costs)**

## Electric engine parameters 160 MH-E ,250 MH-E and 350 MH-E

### **160MH-E**

Main drive 75 kW / 400 V / 1480 rpm / IP 55 for powering the hydraulic system

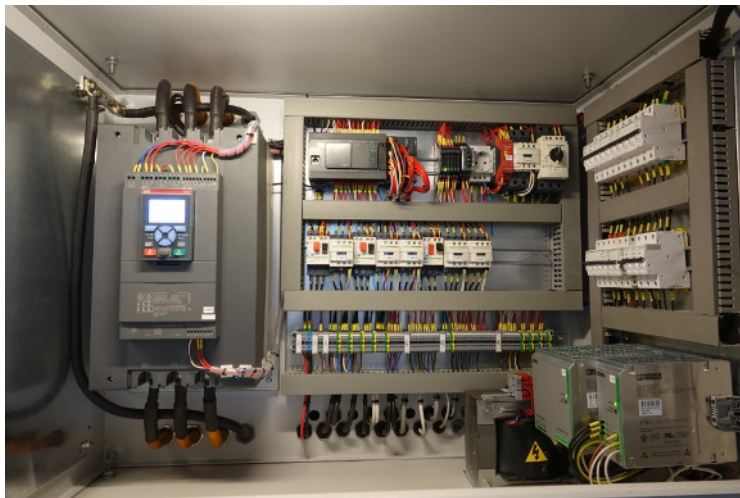
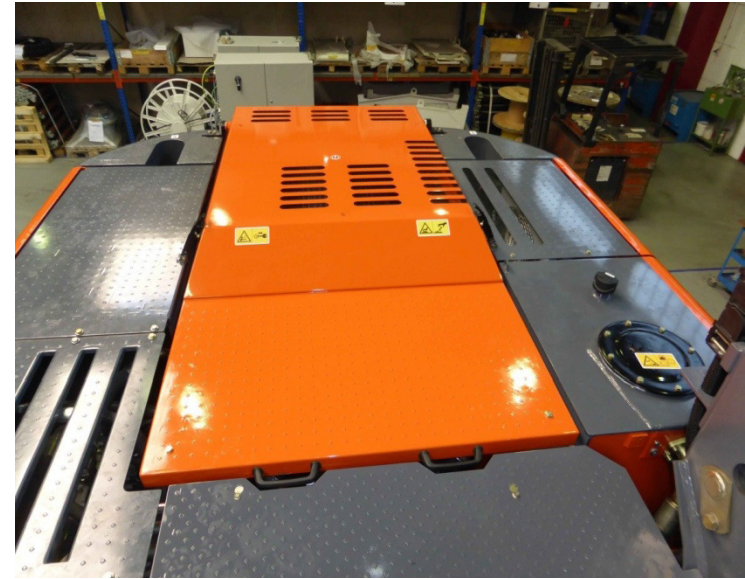
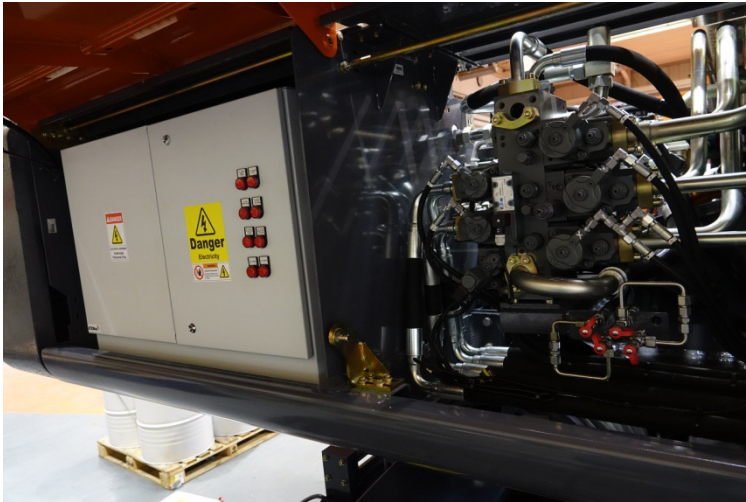
### **250MH-E**

Main drive 90 kW / 400 V / 1480 rpm / IP 55 for powering the hydraulic system.

### **350MH-E / 340 LC-E**

Main drive 90kW / 400 V / 1480 rpm / IP 55 for powering the hydraulic system.  
(optionally: 132 kW Engine)

## Details of ATLAS ELECTRIC Machines :



New design of engine hood  
on 350MH E.  
Optimized visibility to the rear  
due to low design of the machine

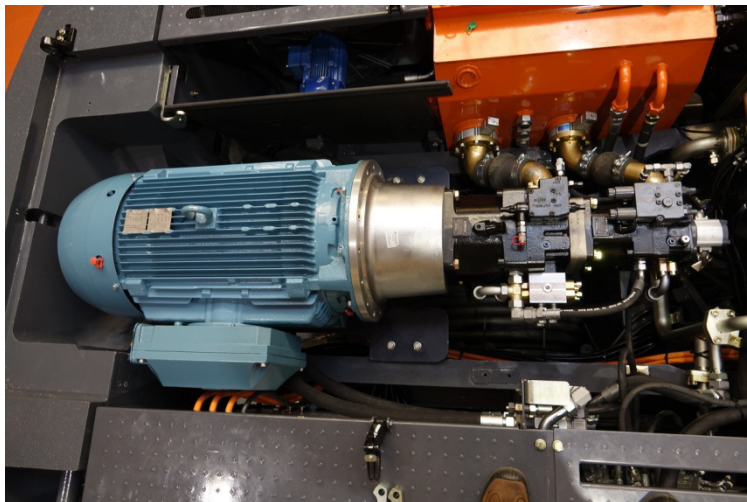
Cleaned up electric cabinet



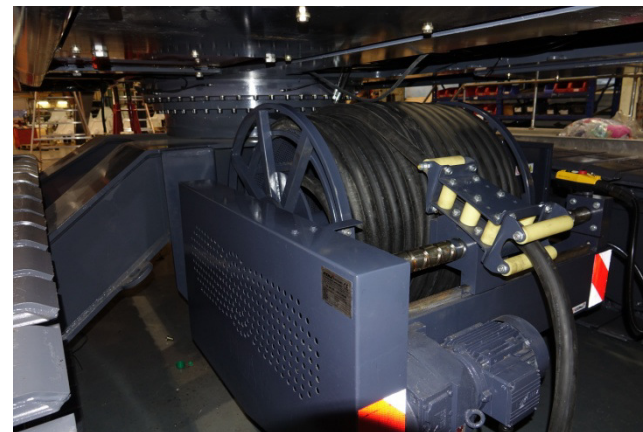
## Details of ATLAS ELECTRIC Machines :



Powerful 132KW electric engine at  
ATLAS 340LC / 350 MH. (optionally 90 kW)



Compact electric cable drum at  
340 LC with 60 meter cable.  
Proportional moving to  
machine speed.



## Details of ATLAS ELECTRIC Machines :



Electric rotary connection



Large sized hydraulic cooler





## Details of ATLAS ELECTRIC Machines :



Low noise emission- intern. CE declaration



Different boom combinations and also different sizes of Counterweights available .

**Please contact us.  
We have just the right  
solution for you.**