



III. TECHNICAL DATA

A. MAIN SPECIFICATION

Dimensions according to drawing	ITC N°	M30256
Cabin width	mm	2250
Conveyor width internal	mm	770
Cont. output electrical engine 380 V - 50 Hz	kW	75
Connection value	A	160
Power of Diesel engine	kW	63
Normal running	RPM	2300
Petrol tank capacity	l	84
Speed - electric drive	km/h	1.65 - 3.7
Speed - diesel drive	km/h	1.17 - 2.6
Chain speed - electric drive	m/s	0.55
Chain speed - diesel drive	m/s	0.40
Conveyor capacity	m ³ /h	200
Specific ground pressure	kp/cm ²	0.80
Operating weight (according to equipment)	t	23

B. DESCRIPTION

1. ELECTRICAL DRIVE

Air cooled 4-poles electrical engine with automatic star-delta starting.

Power at 380 V-50 Hz	kW	75
Speed	RPM	1480
Torque	Nm	484
Nominal current	A	140
Starting current	A	938
Protection	IP	55
Insulation class	B	

Electrical system:

- Phase-sequence relay
- Overload relay
- Pilot circuit in 220 Volt
- Connection without plug
- Installed power kVA 90
- Transformer + rectifier for lights 24 VDC
- Safety device stopping the electric motor by insufficient hydr. oil level or excessive temperature or dirty hydr. filter.
- Optional: Electric driven cable reel with 80 m cable capacity

2. DIESEL DRIVE

Consisting of air-cooled Diesel engine with two-stage combustion process, for application in the mines and the underground work, equipped with a heavy duty dry type air cleaner, high engine temperature and low lube-oil pressure alarm.

Type DEUTZ F6L 912W

Displacement	cm ³	5652
Number of cylinder		6
Continuous output DIN 70020	kW	63
Normal running	RPM	2300
Consumption at full power	g/kWh	242
Oil capacity	l	12

Safety device stopping the Diesel engine by insufficient hydr. oil level, excessive temperature, dirty hydr. filter, excessive engine temperature or dirty air filter.

Both drive can be mounted at the same time, for example:

- Diesel drive for travelling and working under and above ground
- Electrical drive for working at the face

3. HYDRAULIC SYSTEM

- One triple pump directly connected to an electrical motor