



# Z.C.E

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

*EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying*

## Project Report: Mohey-Eldeen

### Project Details

Name: Mohey-Eldeen

Client Name: ahmed1234

Capacity: aaaaaa1234



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## 1. Mechanical Screen

### Sec01: General Data

Field	Value
Manufacturer	Factory
Quantity	1

### Sec02: Design Data

Field	Value
Type	Multi tack
Flow	0.11 m3/sec
No. of Rake	3
Width	580 mm
Length	3000 mm
Dead plate	4 mm
Space between bars	25 mm
Bar Type	Rectangular
Bar section	10x20 mm
Inclination	75 Deg

### Sec03: Gearmotor Data

Field	Value
Gearbox Trade mark	SEW
Model	SA77/T
Electric Motor Trade Mark	SEW
Rated Power	0.18 kW
Supply Voltage	380 V, 3 Phases, 50 Hz



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Insulation	Class F
Temp Rise	Class B
Ingress Protection	IP65

## Sec04: Control panel Data

Field	Value
Local control panel	Electrostatic painting
Panel thicknesses	2 mm
Protection	IP 54
Component	Schneider
Operation	Manual / Automatic timer switch

## Sec05: Material Data

Field	Value
Material of Frame & Guide	AISI 316
Dead plate	AISI 316
Rake	AISI 316
Bar screen	AISI 316
Sprocket	AISI 316
Motorize shaft	AISI 316
Bolts & Nuts	AISI 316 (A4)

## Sec06: Other Data

Field	Value
Channel Width	600 mm
Channel Depth	1180 mm



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## 2. Manual Screen

### Sec01: General Data

Field	Value
Manufacturer	Factory
Quantity	1
Operation	Manual

### Sec02: Design Data

Field	Value
Flow	0.11 m <sup>3</sup> /s
Width	570 mm
Length	2000 mm
Hand rake	No. 2
Space between bar	25 mm
Bar Type	Rectangular
Bar section	10x30 mm
Inclination	45 Deg

### Sec03: Material Data

Field	Value
Frame	AISI 316
Rake	AISI 316
Bar screen	AISI 316

### Sec04: Channel Data

Field	Value
Channel Width	600 mm



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Depth	1180 mm
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## 3. Belt Conveyor

### Sec01: General Data

Field	Value
Manufacturer	Winkel
Quantity	1

### Sec02: Design Data

Field	Value
Width	800
Length	2000

### Sec03: Gearbox Data

Field	Value
Trade Mark	SEW
Model	SA57T

### Sec04: Motor Data

Field	Value
Trade Mark	SEW
Rated Power	0.37 kW
Supply Voltage	380 V, 3 Phases, 50 Hz
Insulation	Class F
Temp Rise	Class B
Ingress Protection	IP65

### Sec05: Material Data

Field	Value
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Frame	Hot deep galvanized steel
Roller	Hot deep galvanized steel
Bolts & Nuts	AISI 304 (A2)
Conveyor	Rubber 10 mm (3Ply cotton/nylon)