Application : Conveyor Belt

Motor Ration : 5.5KW/7.5 HP

Starter Type : Star-Delta

Conveyor Data in Normal Mode
[All time Delta Condition]

Date	Op.Hrs	KWh	Time Duration [Hrs.]	Unit Consumed [KWh]
06.08.2023	176	338	97	187
21.08.2023	273	525		

Conveyor Data in Saving Mode
[Above 50% Loading Condition : Delta | Below 50% Loading Condition : Star]

Date	Op.Hrs	KWh	Time Duration [Hrs.]	Unit Consumed [KWh]
21.08.2023	273	525	163	275
14.09.2023	436	800		

Average Load in normal mode = 187/97 = 1.93 KW

· **Everage Running of Equipment/Day = 20Hrs, Total Unit Consumed = 1.93 X 20 = 38.6 KWh**

Average Load in in Saving mode = 275/163 = 1.69 KW

· **Everage Running of Equipment/Day = 20Hrs, Total Unit Consumed = 1.69 X 20 = 33.8 KWh**

Net Saving / Day = 38.6-33.8 = 4.8 KWh

Net Saving in Rupees = 4.8 X Rs.8 = 38.4/Day = 38.4 X 300 [Days/Year] = Rs.11,520.00 / Annum

Payback Period : Approximate : 12 Months