

CONVEYOR DESIGN DATA SHEET

Customer _____
End User _____
Mine/Project _____
Location _____

Submitted By _____
Contact Name _____
Contact Phone _____
Contact Email _____

OPERATING CONDITIONS

Ambient Temp Max _____
Ambient Temp Min _____

Elevation AMSL _____
Operation (hours/day) _____

MATERIAL PROPERTIES

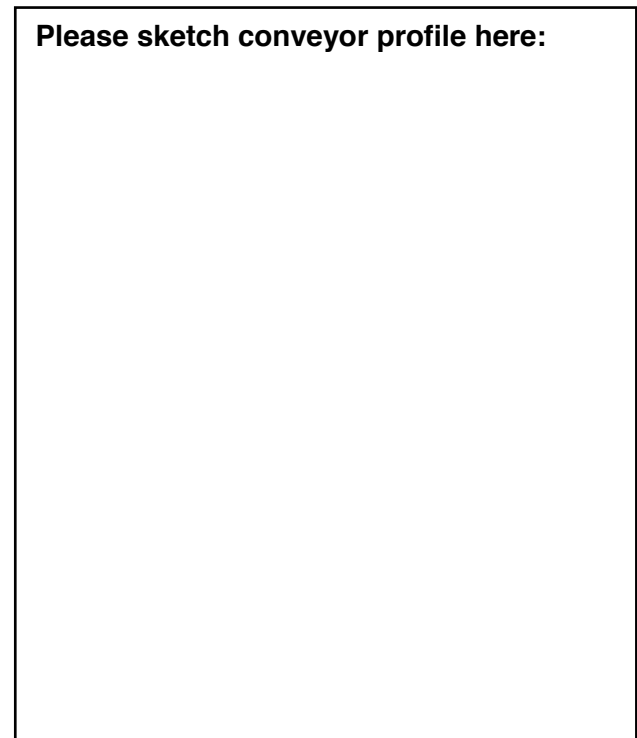
Material Name _____
Bulk Density _____
Max Lump Size _____

Repose Angle _____
Surcharge Angle _____
Moisture Content _____

CONVEYOR SPECIFICATIONS

Horizontal Length _____
Vertical Lift _____
Belt Width _____
Belt Speed (fpm) _____
Capacity (tph) _____
Conveyor Name _____
Mine Map Available? yes no

Please sketch conveyor profile here:



BELT SPECIFICATIONS

Manufacturer _____
Belt Type _____
PIW Rating _____
Number of Plies _____
Belt Weight (lb/ft) _____
Cover Thickness _____
Belt Modulus _____

DRIVE REQUIREMENTS

Motor Voltage _____
Motor Horsepower _____
Preferred Motor Mfr. _____
Starting Device _____
(VFD, Fluid Coupling, etc)
Preferred Reducer Mfr. _____
Reducer Type _____
Preferred Coupling Mfr. _____
High-Speed Coupling Type _____
Low-Speed Coupling Type _____

IDLER / STRUCTURE SPECIFICATIONS

Carry CEMA Series _____
Troughing Angle _____
Carry Spacing _____
Carry Roll Diameter _____
Return CEMA Series _____
Return Design? flat v-returns
Return Spacing _____
Return Roll Diameter _____
Shell Thickness _____
Structure Style? roof-hung floor-mount
Channel Size _____

EQUIPMENT REQUIRED

Discharge _____
Drive _____
Power Module _____
Take-up _____
Storage Unit _____
Take-up Type? winch hydraulic gravity
Loading Section _____
Tail Loading Section _____
A-Frame Tail _____
VFD Drives & Controls _____
Transfer Chute _____
Brake _____
Idler Structure _____
Other _____

Please use this space to provide any additional information (pulley sizes, bearing sizes, additional operating parameters)