ASMEHK-CityU Student Design Competition 2024
Judging Criteria

Team Number: _____

Institution: _____

Box Size (mm)

Interior Width	Interior Length	Interior Height	Sizing Box Factor

Round 1

Trip Scores

No	Automatic Weight Removal Bonus		Energy Source Factor		Mass of Weights Deposit in Unloading Area (kg)		Trip Score
1		×		×		=	
2							
3							
4							
5							
6							
			Total				

Total Score

Sizing Box Factor		Sum of Trip Scores		Grand Total Score
	×		=	

Round 2

Trip Scores

No	Automatic Weight Removal Bonus		Energy Source Factor		Mass of Weights Deposit in Unloading Area (kg)		Trip Score
1		×		×		=	
2							
3							
4							
5							
6							
			Total				

Total Score

Sizing Box Factor		Sum of Trip Scores		Grand Total Score
	×		=	

Final Score (the higher one of either round): _____

Bonus Factor Calculation

Sizing Box Factor $= \sqrt[3]{\dfrac{(350mm)^3}{\text{interior box width} \times \text{length} \times \text{height}}}$

Energy Source Factor = 1 (for one source used); = 1.2 (for two sources used)

Automatic Weight Removal Bonus = 1.2