
North Korean Folding Container Low-Pressure Type Cost-Effectiveness

Why are foldable containers not used in Asian ports?

Because of insufficiencies of empty containers at Asian ports, repositioning of foldable containers does not occur and foldable containers are used to transport goods from Asia to NA. In this case, the utilization of foldable containers decreases as folding and unfolding costs increase.

Does folding/unfolding cost affect the utilization of foldable containers?

In this case, the utilization of foldable containers decreases as folding and unfolding costs increase.

Therefore, it is clear that decisions about foldable containers are influenced by folding/unfolding costs, which may affect the adoption and active utilization of foldable containers.

Can a 5-tier stacking foldable container be economically produced?

This paper presents the design of a new 5-tier stacking foldable container with convenient folding and unfolding process and that can be produced economically compared to previous products. The selected size of the container is the standard 40-ft high cube because it represents about 70% of the maritime container fleet transiting Korean ports.

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Therefore, it is clear that decisions about foldable containers are influenced by folding/unfolding costs, which may affect the adoption and active utilization of foldable containers. Table 12. Total transportation and repositioning quantities of foldable containers between NA-Asia network. Empty Cell Empty Cell LDR RLDR Empty Cell Empty Cell

However, the optimal number of foldable containers differs in each situation, and the cost of foldable containers is high. To address this, we propose implementing effective ...

ZN House's latest development, the folding storage container, features a foldable design, offering high cost-effectiveness, low space occupancy, convenient installation, good ...

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Foldable IBC (FOLDPAC) FOLDPAC, the folding IBC (Intermediate Bulk Container) optimized for container loading, contributes to the efficiency of global export and import transportation. ...

Seasonal patterns and mixing percentages of foldable and standard containers on the route, may also produce cost-effective solutions. Sensitivity analysis reveals that benefits from using ...

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This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the empty containers and bunker costs (BCs) ...

Repositioning of empty containers is non-value added transportation with enormous transportation costs and non-profitable consumption of vessel capacity. Each time an empty ...

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For example, in areas where empty containers are in surplus, shipping companies suffer from the high costs of storing many empty containers, while companies in high demand ...

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