



DeepChill Mobile System

Seafood Transport & Harvesting Solution



APPLICATION Mobile Cooling for Seafood

- Harvesting Operations for Salmon, Shrimp, Yellowtail, Tuna
- Fish Markets & Fishing Vessels
- Fish Distribution Centres

FUNCTIONS & BENEFITS

- Produce and deliver batches of DeepChill with mobile generation and mixing units
- Able to generate DeepChill from brine or seawater
- Able to deliver DeepChill to remote areas
- Achieve crystal concentration of up to 60%
- Adjustable DeepChill concentration
- Adjustable DeepChill delivery rate

PERFORMANCE

Operating Conditions

- Ambient temperature: 30°C
- Feed water temperature: 25°C

High-Density DeepChill Output (DC60)

- Provides 10 tons of DeepChill at 60% (DC60)
- Generated in under 7 hours
- Salinity: 3.5%

Medium-Density DeepChill Output (DC40)

- Provides 10 tons of DeepChill at 40% (DC40)
- Generated in under 5 hours
- Salinity: 3.5%

SPECIFICATIONS

	DeepChill Generating Unit	DeepChill Mixing Unit
Dimensions	(L x W x H) 6300 x 2440 x 2670 mm	(L x W x H) 8000 x 2440 x 2670 mm
Weight	10,300 kg (dry) / 10,800 kg (wet)	10,600 kg (dry) / 20,600 kg (wet)
Power	480V / 3Ph / 60 Hz (MCA 250A)	480V / 3Ph / 60 Hz (MCA 80A)
System Output	DC40: 2 t/hr / DC60: 1.43 t/hr	15 m ³ /hr at 3 bar
Trailer Deck	48-ft drop deck	36-ft low deck



CONFIGURATION

DeepChill Generating Unit

- Configured with 6 DeepChill Generators
- Air-cooled condensing unit using R404A
- Stainless steel enclosures for electrical panels
- HMI touch screen with wireless control function
- Stainless steel pumping & piping system

DeepChill Mixing Unit

- Heavy-duty stainless steel mixing tank
- Progressive cavity screw delivery pump
- Stainless steel enclosures for electrical panels
- HMI touch screen with wireless control function
- Stainless steel pumping & piping system



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