

Low Temperature Piston Refrigeration Unit

This low-temperature piston unit is engineered for robust industrial refrigeration. It uses a parallel configuration of piston compressors to provide efficient cooling for applications such as cold rooms.



ADDITIONAL IMAGES



Product Overview

APPLICATION

Versatile cooling solutions designed for diverse industrial sectors.



The system is suitable for various environments including supermarkets, slaughterhouses, and cold storage warehouses.

Low Temperature Piston Parallel Unit

This high-performance refrigeration unit is designed for demanding industrial cold storage environments. Featuring a robust parallel configuration, the system provides reliable cooling capacity with adjustable energy regulation via cylinder head control. It is engineered for versatility, supporting multiple refrigerant types and compatible with global electrical standards, making it an ideal solution for small to medium-scale low-temperature cold rooms.

Primary Applications

Supermarket Refrigeration, Slaughterhouses, Food Processing Plants, Cold Storage Warehouses, Seafood Preservation, Vegetable Storage, Steamship Refrigeration

PRODUCT PARAMETERS

Technical specification overview for the low-temperature parallel unit series.

Supported Refrigerants

R22 • R507A • R404A • R134A • R448A • R449A

Model Performance Data

Model	Motor Power (kW)	Cooling Capacity -10°C (kW)
SPBL214Y	21	64.8
SPBL314Y	31.5	97.2
SPBL218Y	27	78.3
SPBL318Y	40.5	130.2
SPBL223Y	34.5	100.6
SPBL323Y	51.75	150.9
SPBL423Y	69	201.2
SPBL228Y	42	118.8
SPBL328Y	63	178.2
SPBL234Y	51	148.2
SPBL334Y	76.5	222.3
SPBL434Y	102	296.4
SPBL534Y	127.5	370.5

Evaporation Temperature Range	-45 to 0
Single Unit Capacity	237.6 kW
Rotation Speed	1450 R/Min

System Design

Compressor Configuration	Semi-hermetic piston compressor
Energy Regulation	Adjustable cylinder head
Electrical System	Universal compatibility with global electrical standards