

DENSO

PRODUCT CATALOGUE

TRUCK REFRIGERATION UNITS



EJECTOR TYPE

Technology
with **Ecology**

Introduction of New technology "Ejector type"

Broad line up of "Ejector type" truck refrigeration units

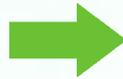
Energy saving truck refrigeration units that installed "Ejector cycle system" as world's first technology.

Achieve high efficiency, High performance, Energy saving with keeping dimensions as current system.

- Can be reduction of Energy consumption since Ejector work as pump
- Compressor, condenser, evaporator can be downsized due to high cooling performance
- Refrigeration performance become high due to small energy loss

Cost reduction effects

Contribute to lower fuel consumption



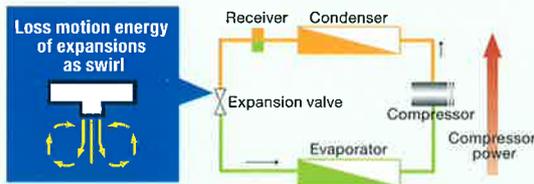
Environmental conservation effects

Reduction carbon dioxide emissions

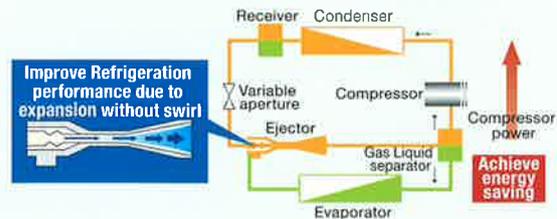
Mechanism to improve performance of Ejector cycle

Refrigeration performance was improved greatly due to high efficient discharge system instead of current expansion valve.

Current refrigeration cycle



Ejector cycle

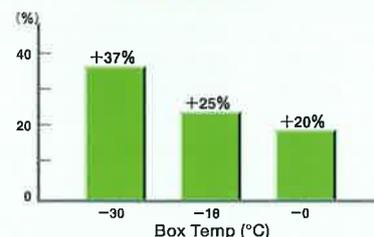
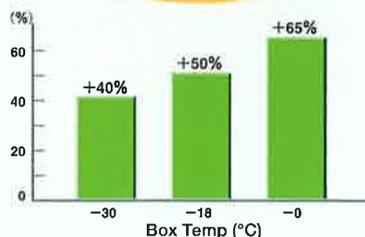
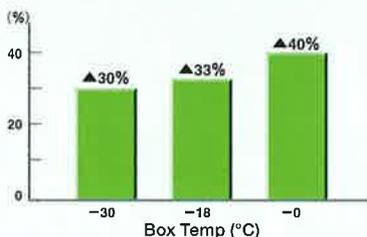
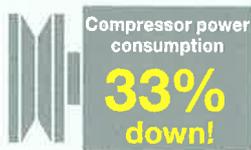


Energy saving/High performance of Ejector cycle Refrigeration

Reduced compressor energy consumption

Improved COP (based on same refrigerating capacity)

Improved Refrigeration capacity (Compared with Our normal model)



*Comparison of our same class refrigeration unit (EJ6, PF4)
Ambient temperature 35°C, Box temp -18°C, Nc=1800rpm

Ejector type refrigeration unit Line up

Body Class	Package series	Separate series
11t	 EJ10 <3750w>	
8t		
6t	 EJ6 <3750w>	
4t	 EJ4 <3000w>	 ESF5 <3250w>  ESF4 <3000w>
3t		 ESF3 <2600w>
2t		 ESF2 <2250w>

< > : Refrigeration capacity at -18°C Box temp.

EXPANSION VALVE TYPE

Expansion valve type refrigeration unit Line up

Body Class	Package series	Separate series
6t		
4t	 PF4 <3000w>	 SF4 <3000w>
3t	 PF3 <2600w>	 SF3 <2540w>
2t	 PF2 <2250w>	 SF2 <2100w>
1t		 SF1 <1400w>

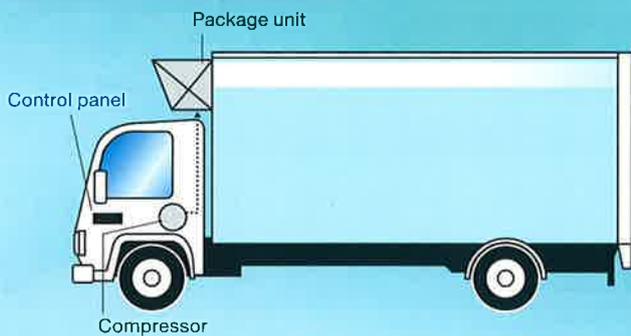
< > : Refrigeration capacity at -18°C Box temp.

HOW TO LOOK AT MODEL CODE

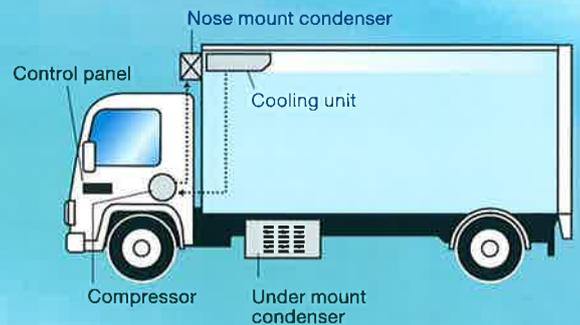
S S 2 2 L N - S2 F M N 1

Digital Panel	Refrigerant	Vehicle grade	Voltage	Temperature range	Option	Cooling Unit	Rear chamber fan control (for 2 rooms)	Condenser	Installation position of condenser	Compressor
S Liquid crystal touching type F LED Sliding type	<input type="checkbox"/> HFC134a <input type="checkbox"/> R404A	0 MINI 1 1t 2 2t 3 3t 4 4t	1 12V 2 24V	C Cooling (+5~+20°C) (0~+20°C) M Middle temp. (-5~+20°C) L Low Temp. (-30~+20°C)	N None	1 C 12 F12 S1 SF1 S2 SF2 S3 SF3 S4 SF4 P2 PF2 P3 PF3 P4 PF4 EP3 EJ4 EP4 EJ6 EP8 EJ10	<input type="checkbox"/> None E2 SF2 E3 SF3 EH2 SH2 F Cooling fan	E E Condenser S S Condenser M M Condenser L L Condenser	N Nose mount U Under mount	1 10PA17 2 10PA20

PACKAGE SERIES



SEPARATE SERIES



Check list of Refrigeration unit model select

Below Items are needed at Refrigerator type selection.

- Chassis maker · Model type and model year? ()
- What is type of the cargo? ()
- What is the carrying the cargo temperature? (About °C ~ About °C)
- How much the cargo weight? (About kg)
- How often the cargo is loading and un loading, and how many minutes takes per loading and unloading in transportation?
(times) (minutes/loading and unloading)
- Body type? (Van / Wing body)
Inside dimensions (W mm / H mm / L mm)
Insulator thin (mm) side door (Right side · Left side · None)
Rear door (Double doors · Shutter · Other)
- Eva house type body? (Yes / No)

APPLICATION CHART

Insulation Thickness (mm)		100		75		50														
		Box Temp (°C)																		
Body Class & Box Capacity (m³)		-25°C	-20°C	-15°C	-10°C	-5°C	0°C	+5°C	+10°C											
1t	3.5	1t	2t	3t	4t	6t	11t	1t type	2t type	3t type	4t type	6t type	11t type							
	4																			
	4.5													SS11LN-S1MN1	SS12LN-S1MN1	S11MN-S1SN1	S12MN-S1SN1	S21CN-1EU1	S22CN-1EU1	
	5																			
	5.5																			
	6																			
	6.5																			
	7																			
	7.5													SS21LN-S2MN1	SS22LN-S2MN1	SS21LN-ES2MN1	SS22LN-ES2MN1	SS22LN-P21	S21MN-S2SN1	S22MN-S2SN1
	8																			
8.5																				
9																				
9.5																				
10																				
10.5	SS32LN-S3MN1	SS32LN-ES3MN1	SS32LN-P32	SS32MN-S2MN1																
11																				
11.5																				
12																				
12.5	SS42LN-S4LN2	SS42LN-ES4LN1	SS42LN-EP32	SS42LN-P42	SS52LN-ES5LN2	SS42MN-S3MN1														
13																				
13.5																				
14																				
14.5	SS42LN-S4LN2	SS42LN-ES4LN1	SS42LN-EP32	SS42LN-P42	SS52LN-ES5LN2	SS42MN-S3MN1														
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22																				
23	SS42LN-S4LN2	SS42LN-ES4LN1	SS42LN-EP32	SS42LN-P42	SS52LN-ES5LN2	SS42MN-S3MN1														
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32	SS42LN-S4LN2	SS42LN-ES4LN1	SS42LN-EP32	SS42LN-P42	SS52LN-ES5LN2	SS42MN-S3MN1														
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42	SS42LN-S4LN2	SS42LN-ES4LN1	SS42LN-EP32	SS42LN-P42	SS52LN-ES5LN2	SS42MN-S3MN1														
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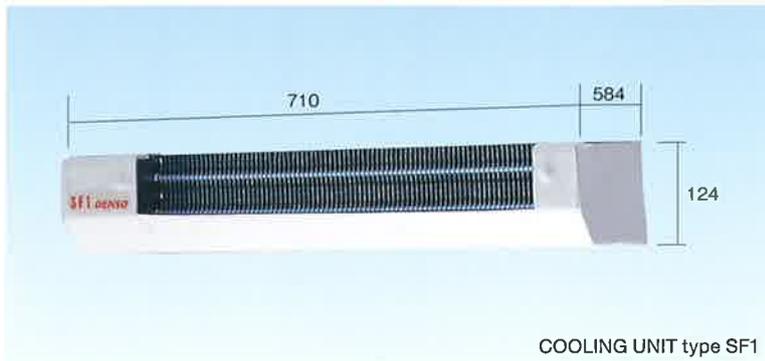
*The figures in the above table are for your reference only.
 *The insulator is made of foamed polyurethane.

SF1 type

Frozen

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF1



CONDENSER type M (Nose)



COMPRESSOR 10PA17



CONTROL PANEL

Model	SS11LN-S1MN1 <SS12LN-S1MN1> (Frozen)	
Box Temp. Range (°C)	-30~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	2800W(2410kcal)
	-18°C	1400W(1200kcal)
	-25°C	850W(730kcal)
Voltage (V)	12	
Power Consumption	210	
Refrigerant	R404A	
Refrigerant Quantity (kg)	Nose type:0.85 Under type:1.0	
Weight (kg)	Cooling Unit	14
	Condenser	21
	Compressor	8
	Others	9
	Total Weight	52
Defrosting Mode	Hot gas	

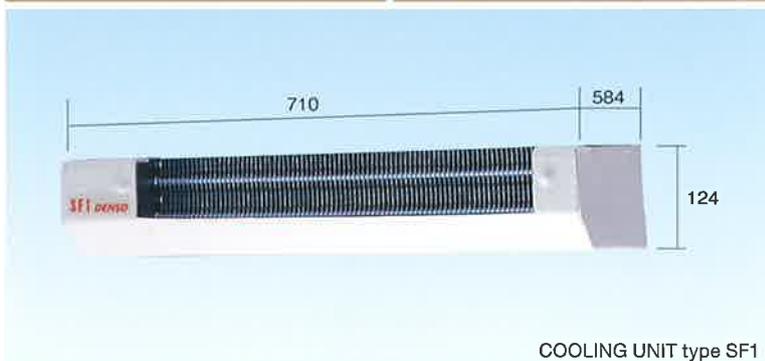
*Ambient temperature 35°C

SF1 type

Chiller

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF1



CONDENSER type S



COMPRESSOR 10PA17



CONTROL PANEL

Model	S11MN-S1SN1 <S12MN-S1SN1> (Chiller)	
Box Temp. Range (°C)	-5~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	2200W(1890kcal) <2460W(2120kcal)>
	0°C	1700W(1460kcal) <1900W(1630kcal)>
	-18°C	—
	-25°C	—
Voltage (V)	12<24>	
Power Consumption	163	
Refrigerant	HFC-134a	
Refrigerant Quantity (kg)	1.0	
Weight (kg)	Cooling Unit	14
	Condenser	13
	Compressor	8
	Others	9
	Total Weight	44
Defrosting Mode	Off-cycle	

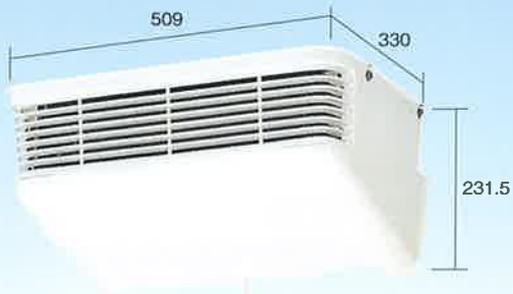
*Ambient temperature 35°C



C type Cooling

SEPARATE SERIES

EXPANSION VALVE

COOLING UNIT type C
(Cover is optional)

CONDENSER type E



COMPRESSOR 10PA17



CONTROL PANEL

Model		S21CN-1EU1 (Cooling)
Spec Item		
Box Temp. Range (°C)		+5~+20
Refrigerating Capacity (kw)	20°C	2130W(1830kcal)
	10°C	1630W(1400kcal)
	0°C	—
	-18°C	—
	-25°C	—
Voltage (V)		12
Power Consumption		183
Refrigerant		HFC-134a
Refrigerant Quantity (kg)		0.9
Weight (kg)	Cooling Unit	4
	Condenser	7
	Compressor	8
	Others	12
	Total Weight	31
Defrosting Mode		Off-cycle

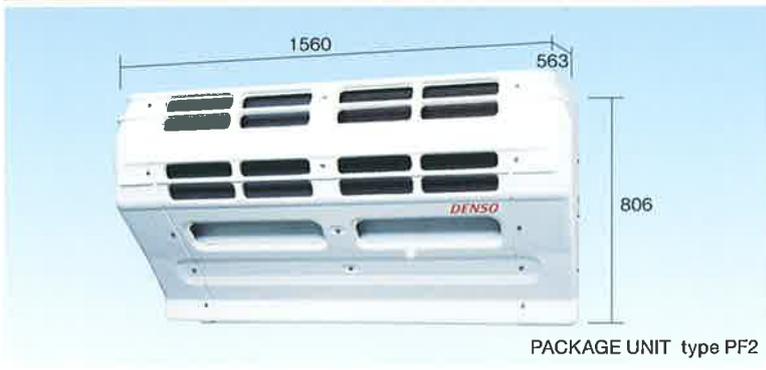
*Ambient temperature 35°C

2t type

TRANSPORT REFRIGERATORS

PF2_{type} Frozen

PACKAGE SERIES EXPANSION VALVE



PACKAGE UNIT type PF2



COMPRESSOR 10PA17



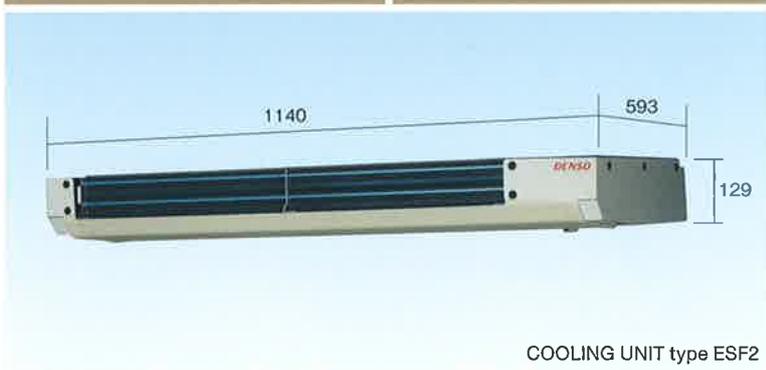
CONTROL PANEL

Model		SS22LN-P21 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	4100W (3530kcal)
	-18°C	2250W (1940kcal)
	-25°C	1550W (1330kcal)
Voltage (V)		24
Power Consumption		335
Refrigerant		R404A
Refrigerant Quantity (kg)		0.95
Weight (kg)	Cooling Unit	PACKAGE UNIT
	Condenser	75
	Compressor	8
	Others	7
	Total Weight	90
Defrosting Mode		Hot gas

*Ambient temperature 35°C

ESF2_{type} Frozen

SEPARATE SERIES EJECTOR



COOLING UNIT type ESF2



CONDENSER type M (Nose)



COMPRESSOR 10PA15



CONTROL PANEL

Model		SS21LN-ES2MN1 <SS22LN-ES2MN1> (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	4100W (3530kcal)
	-18°C	2250W (1940kcal)
	-25°C	1550W (1340kcal)
Voltage (V)		12
Power Consumption		286
Refrigerant		R404A
Refrigerant Quantity (kg)		Nose type:0.85 Under type:0.95
Weight (kg)	Cooling Unit	24
	Condenser	19.5
	Compressor	7
	Others	9
	Total Weight	59.5
Defrosting Mode		Hot gas

*Ambient temperature 35°C



SF2_{type}

Frozen

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF2



CONDENSER type M (Nose)



COMPRESSOR 10PA17



CONTROL PANEL

Model	SS21LN-S2MN1 <SS22LN-S2MN1> (Frozen)	
Box Temp. Range (°C)	-30~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	4080W (3510kcal)
	-18°C	2100W (1810kcal)
	-25°C	1410W (1210kcal)
Voltage (V)	12	
Power Consumption	284	
Refrigerant	R404A	
Refrigerant Quantity (kg)	Nose type:0.9 Under type:1.05	
Weight (kg)	Cooling Unit	21
	Condenser	21
	Compressor	8
	Others	9
	Total Weight	59
Defrosting Mode	Hot gas	

*Ambient temperature 35°C

2t
type

SF2_{type}

Chiller

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF2



CONDENSER type S



COMPRESSOR 10PA17



CONTROL PANEL

Model	S21MN-S2SN1 <S22MN-S2SN1> (Chiller)	
Box Temp. Range (°C)	-5~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	2620W(2250kcal) <3020W (2600kcal)>
	0°C	2020W(1740kcal) <2320W (2000kcal)>
	-18°C	—
	-25°C	—
Voltage (V)	12<24>	
Power Consumption	163	
Refrigerant	HFC-134a	
Refrigerant Quantity (kg)	1.0	
Weight (kg)	Cooling Unit	18
	Condenser	13
	Compressor	8
	Others	9
	Total Weight	48
Defrosting Mode	Off-cycle	

*Ambient temperature 35°C

3t type

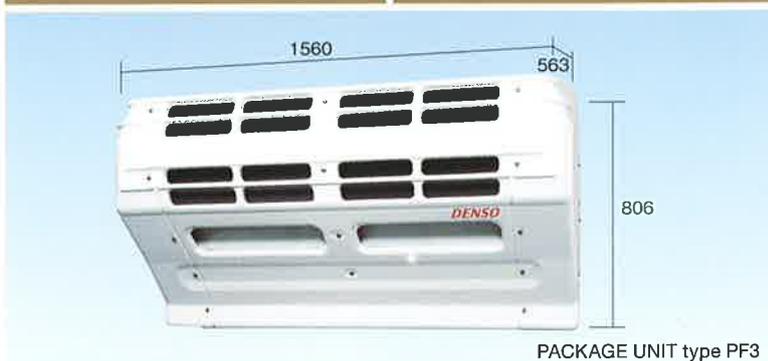
TRANSPORT REFRIGERATORS

PF3_{type}

Frozen

PACKAGE SERIES

EXPANSION VALVE



PACKAGE UNIT type PF3



COMPRESSOR 10PA20



CONTROL PANEL

Model		SS32LN-P32 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	4500W (3870kcal)
	-18°C	2600W (2240kcal)
	-25°C	1850W (1590kcal)
Voltage (V)		24
Power Consumption		335
Refrigerant		R404A
Refrigerant Quantity (kg)		0.95
Weight (kg)	Cooling Unit	PACKAGE UNIT
	Condenser	75
	Compressor	8
	Others	7
	Total Weight	90
Defrosting Mode		Hot gas

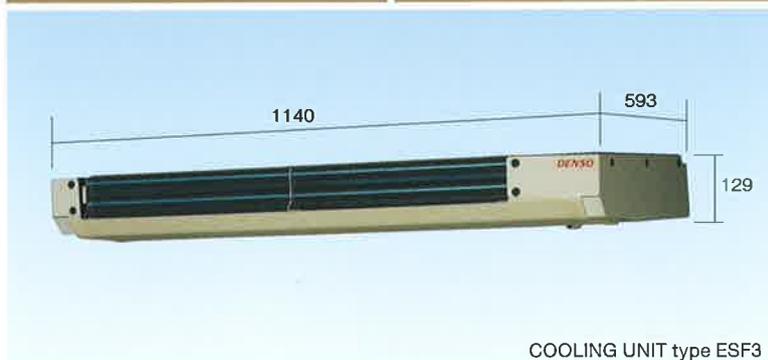
*Ambient temperature 35°C

ESF3_{type}

Frozen

SEPARATE SERIES

EJECTOR



COOLING UNIT type ESF3



CONDENSER type M (Nose)



COMPRESSOR 10PA17



CONTROL PANEL

Model		SS32LN-ES3MN1 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	4500W (3870kcal)
	-18°C	2600W (2240kcal)
	-25°C	1850W (1600kcal)
Voltage (V)		24
Power Consumption		412
Refrigerant		R404A
Refrigerant Quantity (kg)		Nose type:0.85 Under type:0.95
Weight (kg)	Cooling Unit	24
	Condenser	19.5
	Compressor	7.5
	Others	9
	Total Weight	60
Defrosting Mode		Hot gas

*Ambient temperature 35°C



SF3_{type}

Frozen

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF3



CONDENSER type M (Nose)



COMPRESSOR 10PA17



CONTROL PANEL

Model	SS32LN-S3MN1 (Frozen)	
Box Temp. Range (°C)	-30~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	4420W (3800kcal)
	-18°C	2540W (2180kcal)
	-25°C	1820W (1570kcal)
Voltage (V)	24	
Power Consumption	400	
Refrigerant	R404A	
Refrigerant Quantity (kg)	Nose type:0.95 Under type:1.1	
Weight (kg)	Cooling Unit	24
	Condenser	21
	Compressor	8
	Others	9
	Total Weight	62
Defrosting Mode	Hot gas	

*Ambient temperature 35°C

3t_{type}

SF2_{type}

Chiller

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF2



CONDENSER type M (Nose)



COMPRESSOR 10PA17



CONTROL PANEL

Model	SS32MN-S2MN1 (Chiller)	
Box Temp. Range (°C)	-5~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	5110W(4390kcal)
	0°C	4080W(3510kcal)
	-18°C	—
	-25°C	—
Voltage (V)	24	
Power Consumption	400	
Refrigerant	R404A	
Refrigerant Quantity (kg)	Nose type:0.9 Under type:1.05	
Weight (kg)	Cooling Unit	21
	Condenser	21
	Compressor	8
	Others	9
	Total Weight	59
Defrosting Mode	Hot gas	

*Ambient temperature 35°C

4t ▶ 6t type

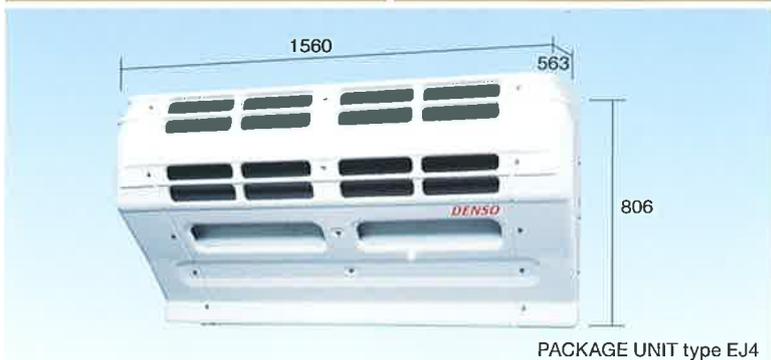
TRANSPORT REFRIGERATORS

EJ4_{type}

Frozen

PACKAGE SERIES

EJECTOR



PACKAGE UNIT type EJ4



COMPRESSOR 10PA20



CONTROL PANEL

Model		SS42LN-EP32 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	5000W (4300kcal)
	-18°C	3000W (2580kcal)
	-25°C	2250W (1940kcal)
Voltage (V)		24
Power Consumption		328
Refrigerant		R404A
Refrigerant Quantity (kg)		1.0
Weight (kg)	Cooling Unit	PACKAGE UNIT
	Condenser	84
	Compressor	8
	Others	7
	Total Weight	99
Defrosting Mode		Hot gas

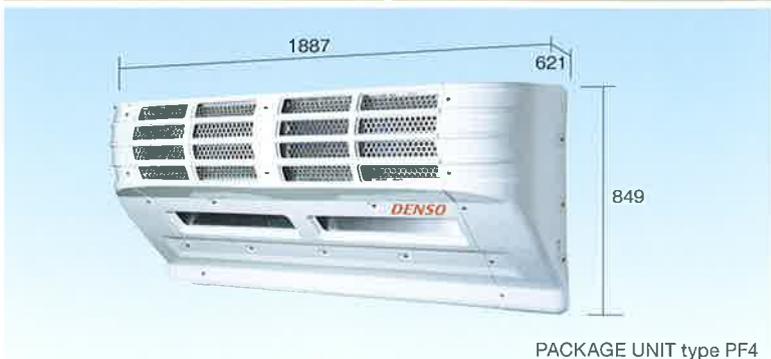
*Ambient temperature 35°C

PF4_{type}

Frozen

PACKAGE SERIES

EXPANSION VALVE



PACKAGE UNIT type PF4



COMPRESSOR 10PA20



CONTROL PANEL

Model		SS42LN-P42 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	5000W (4300kcal)
	-18°C	3000W (2580kcal)
	-25°C	2250W (1940kcal)
Voltage (V)		24
Power Consumption		406
Refrigerant		R404A
Refrigerant Quantity (kg)		1.1
Weight (kg)	Cooling Unit	PACKAGE UNIT
	Condenser	99
	Compressor	8
	Others	7
	Total Weight	114
Defrosting Mode		Hot gas

*Ambient temperature 35°C



ESF5_{type}

Frozen

SEPARATE SERIES

EJECTOR



COOLING UNIT type ESF5



CONDENSER type L



COMPRESSOR 10PA20



CONTROL PANEL

Model		SS52LN-ES5LN2 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	5400W (4650kcal)
	-18°C	3250W (2800kcal)
	-25°C	2400W (2070kcal)
Voltage (V)		24
Power Consumption		428
Refrigerant		R404A
Refrigerant Quantity (kg)		Nose type:0.95 Under type:1.05
Weight (kg)	Cooling Unit	33
	Condenser	23
	Compressor	8
	Others	9
	Total Weight	73
Defrosting Mode		Hot gas

*Ambient temperature 35°C

ESF4_{type}

Frozen

SEPARATE SERIES

EJECTOR



COOLING UNIT type ESF4



CONDENSER type L



COMPRESSOR 10PA17



CONTROL PANEL

Model		SS42LN-ES4LN1 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	5000W (4300kcal)
	-18°C	3000W (2580kcal)
	-25°C	2250W (1940kcal)
Voltage (V)		24
Power Consumption		428
Refrigerant		R404A
Refrigerant Quantity (kg)		Nose type:0.95 Under type:1.05
Weight (kg)	Cooling Unit	33
	Condenser	23
	Compressor	8
	Others	9
	Total Weight	73
Defrosting Mode		Hot gas

*Ambient temperature 35°C

4t
 ▼
6t
 type

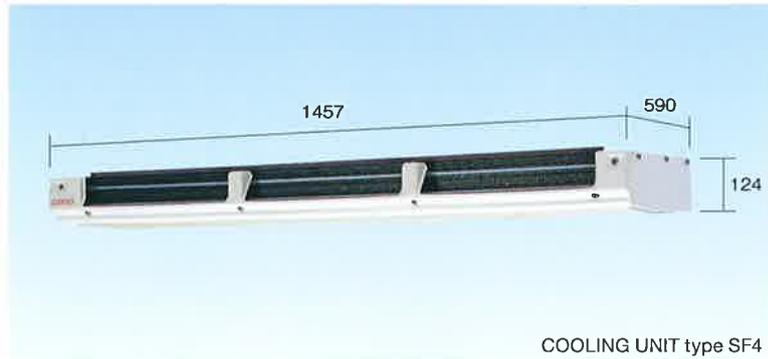
4t ▶ 6t type

TRANSPORT REFRIGERATORS

SF4_{type} Frozen

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF4



CONDENSER type L



COMPRESSOR 10PA20



CONTROL PANEL

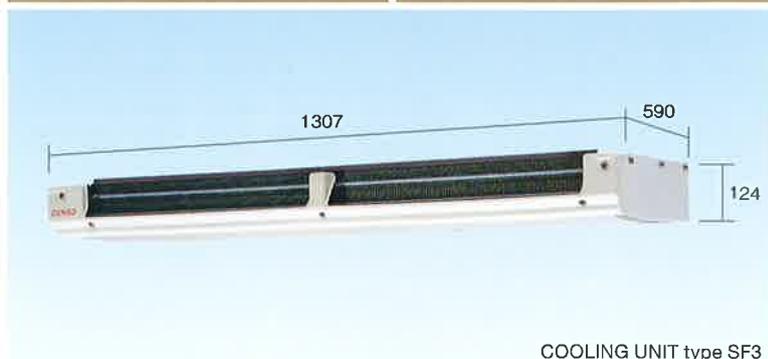
Model		SS42LN-S4LN2 (Frozen)
Spec Item		
Box Temp. Range (°C)		-30~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	5000W (4300kcal)
	-18°C	3000W (2580kcal)
	-25°C	2250W (1940kcal)
Voltage (V)		24
Power Consumption		416
Refrigerant		R404A
Refrigerant Quantity (kg)		1.05
Weight (kg)	Cooling Unit	27
	Condenser	24
	Compressor	8
	Others	9
Total Weight		68
Defrosting Mode		Hot gas

*Ambient temperature 35°C

SF3_{type} Chiller

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type SF3



CONDENSER type M (Nose)



COMPRESSOR 10PA17



CONTROL PANEL

Model		SS42MN-S3MN1 (Chiller)
Spec Item		
Box Temp. Range (°C)		-5~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	5530W (4760kcal)
	0°C	4420W (3800kcal)
	-18°C	—
	-25°C	—
Voltage (V)		24
Power Consumption		400
Refrigerant		R404A
Refrigerant Quantity (kg)		Nose type:0.95 Under type:1.1
Weight (kg)	Cooling Unit	24
	Condenser	21
	Compressor	8
	Others	9
Total Weight		62
Defrosting Mode		Hot gas

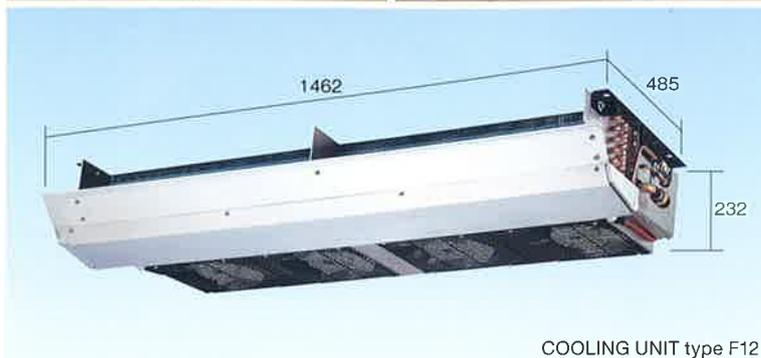
*Ambient temperature 35°C



F12_{type} Frozen

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type F12



CONDENSER type L



COMPRESSOR 10PA17



CONTROL PANEL

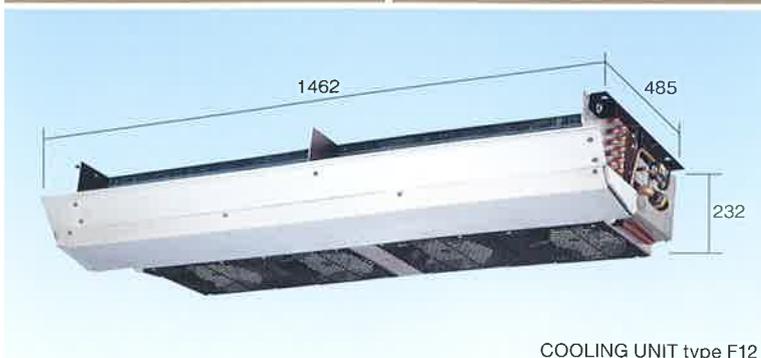
Model		FS42LN-12LU1 (Frozen)
Spec Item		
Box Temp. Range (°C)		-25~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	5170W (4450kcal)
	-18°C	3000W (2580kcal)
	-25°C	2150W (1850kcal)
Voltage (V)		24
Power Consumption		416
Refrigerant		R404A
Refrigerant Quantity (kg)		1,9
Weight (kg)	Cooling Unit	29
	Condenser	35
	Compressor	8
	Others	15
Total Weight		87
Defrosting Mode		Hot gas

*Ambient temperature 35°C

F12_{type} Chiller

SEPARATE SERIES

EXPANSION VALVE



COOLING UNIT type F12



CONDENSER type M (Under)



COMPRESSOR 10PA17



CONTROL PANEL

Model		F42MN-12MU1 (Chiller)
Spec Item		
Box Temp. Range (°C)		-5~+20
Refrigerating Capacity (kw)	20°C	—
	10°C	5080W (4370kcal)
	0°C	3840W (3300kcal)
	-18°C	—
	-25°C	—
Voltage (V)		24
Power Consumption		416
Refrigerant		HFC-134a
Refrigerant Quantity (kg)		1.6
Weight (kg)	Cooling Unit	29
	Condenser	21
	Compressor	8
	Others	15
Total Weight		73
Defrosting Mode		Hot gas

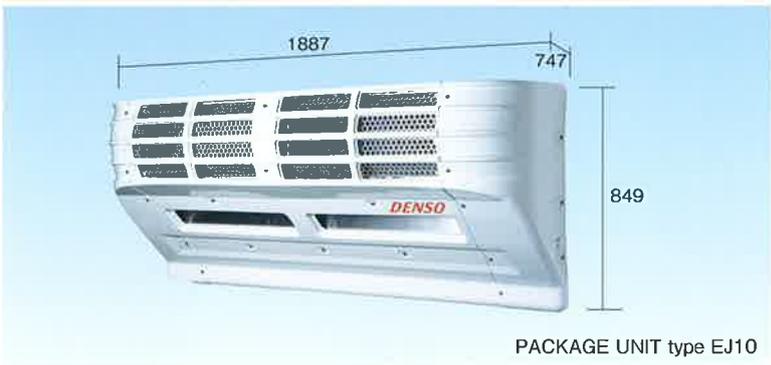
*Ambient temperature 35°C

4t
▼
6t
type



EJ10_{type} Frozen

PACKAGE SERIES EJECTOR



PACKAGE UNIT type EJ10



COMPRESSOR 10PA20

COMPRESSOR 10PA20

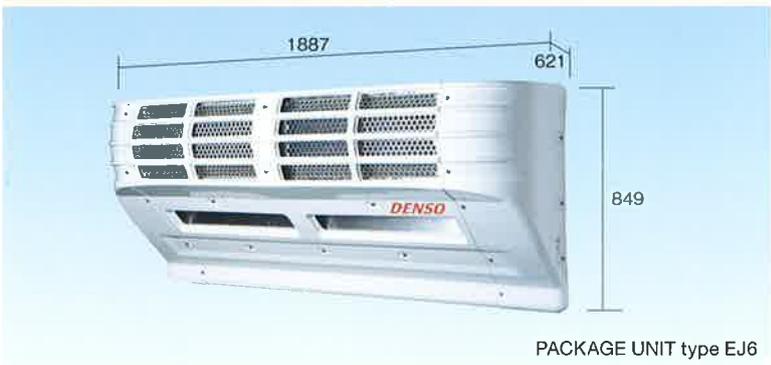
CONTROL PANEL

Model	SS82LN-EP82 (Frozen)	
Box Temp. Range (°C)	-30~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	10000W (8610kcal)
	-18°C	6500W (5600kcal)
	-25°C	4800W (4100kcal)
Voltage (V)	24	
Power Consumption	960	
Refrigerant	R404A	
Refrigerant Quantity (kg)	2.8	
Weight (kg)	Cooling Unit	PACKAGE UNIT
	Condenser	150
	Compressor	8×2=16
	Others	19 (29)
	Total Weight	185 (357)
Defrosting Mode	Hot gas	

*Ambient temperature 35°C

EJ6_{type} Frozen

PACKAGE SERIES EJECTOR



PACKAGE UNIT type EJ6



COMPRESSOR 10PA20

CONTROL PANEL

Model	SS42LN-EP42 (Frozen)	
Box Temp. Range (°C)	-30~+20	
Refrigerating Capacity (kw)	20°C	—
	10°C	—
	0°C	6300W (5420kcal)
	-18°C	3750W (3230kcal)
	-25°C	2800W (2410kcal)
Voltage (V)	24	
Power Consumption	402	
Refrigerant	R404A	
Refrigerant Quantity (kg)	1.45	
Weight (kg)	Cooling Unit	PACKAGE UNIT
	Condenser	106
	Compressor	8
	Others	10
	Total Weight	124
Defrosting Mode	Hot gas	

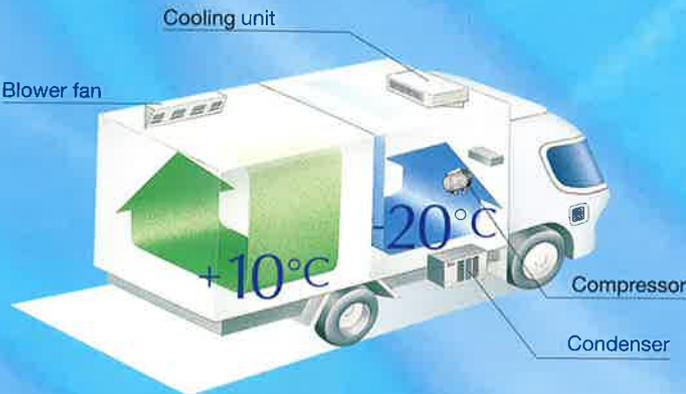
*Ambient temperature 35°C

OPTIONS CAN BE CHOSEN FOR VARIOUS NEEDS

2 rooms type refrigeration unit

1 compressor with blower fan type refrigeration unit

The system is suitable to deliver multi temps requirements cargo together. Both room temperature can be controlled by 1 control panel. The low cost edition that can cool down rear room by blower fan.



1 compressor with 2 evaporators type refrigeration unit*

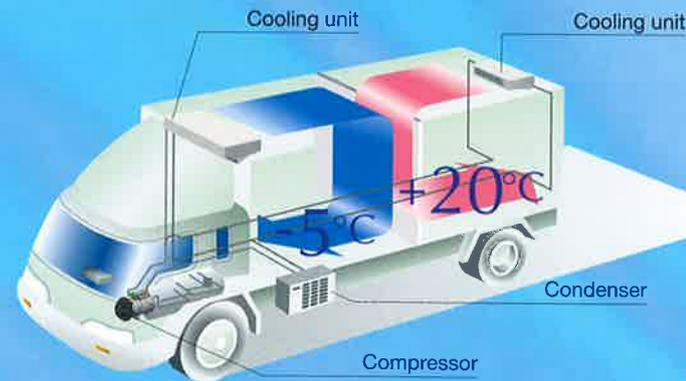
The system is suitable to deliver multi temps requirements cargo together. Both room temperature can be controlled by 1 control panel. *The Heating system also can be installed.



Refrigeration unit with Heating system

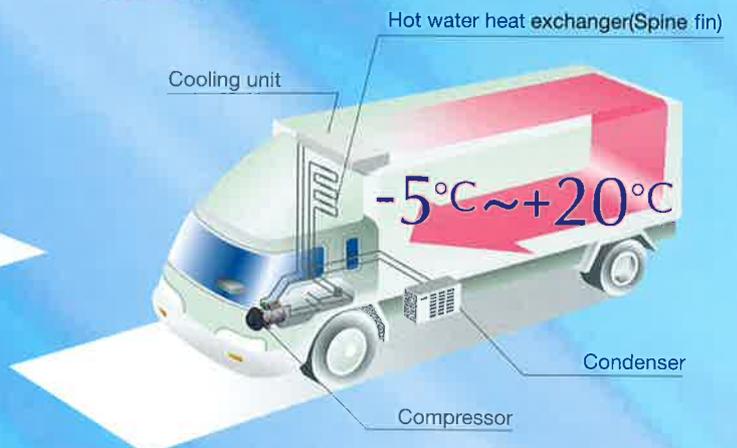
Built in type

Heating system by engine hot water is built into cooling unit. Cooling mode and Heating mode can be switched by control panel. Front and rear room set temp can be changed flexibly.



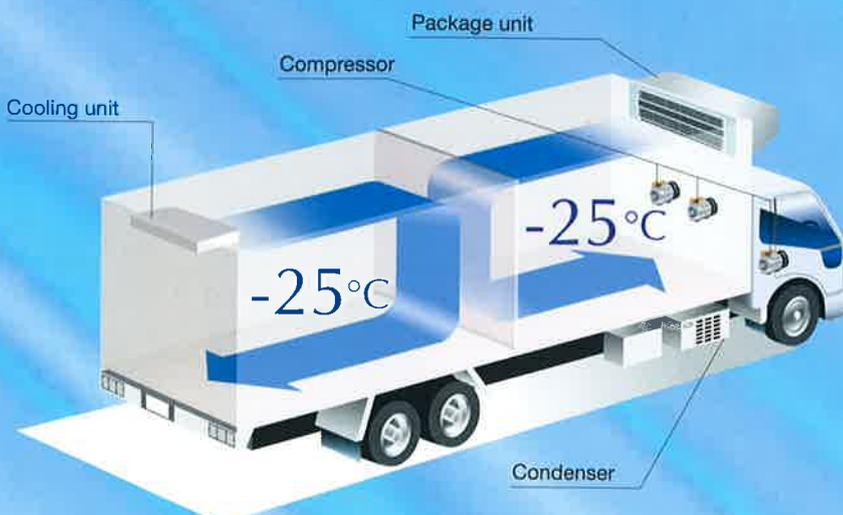
External type

Heating system by engine hot water is equipped with Refrigeration system separately. Cooling mode and Heating mode can be switched by control panel.

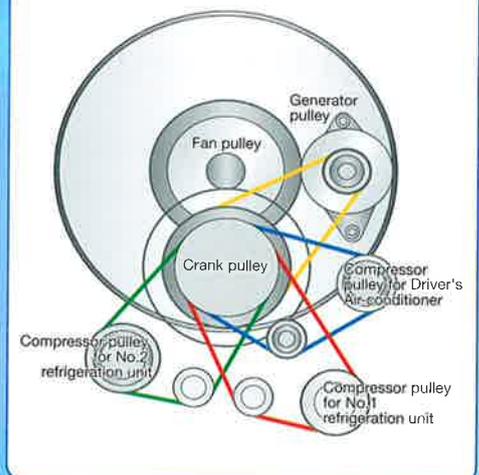


3 compressors type refrigeration unit*

2 independent refrigeration units cool down 2 rooms independently.
*The system can be installed only over 6t class and a part of 4t-class.



Installation example

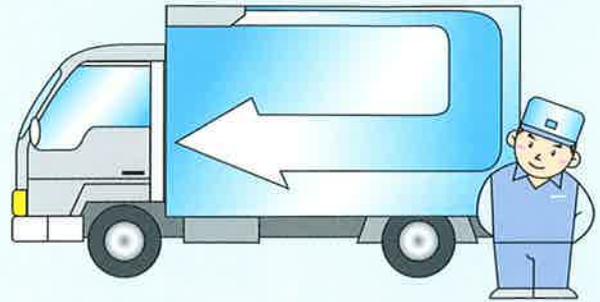


ADVICE ON USAGE

Pre-cool

This truck refrigeration unit is not designed to cool down goods which have not been cooled in advance.

It is meant to transport and deliver goods while keeping them at a given cool temperature.



Load and unload cargo quickly.

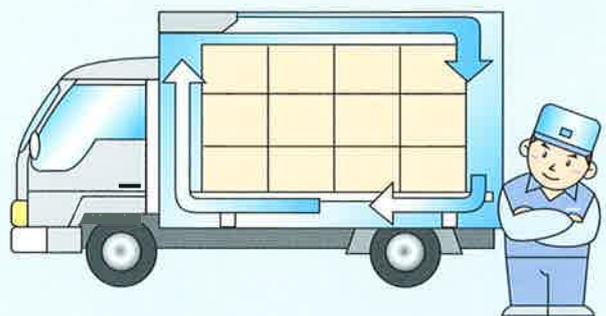
When the doors are opened, the temperature inside the cargo box rises instantly.

Keep the doors open as short as possible.



How to stack cargo.

Stack the cargo so that sufficient space is available for the cool air to circulate freely. In particular, do not stack the cargo up high near the inlet and outlet of cooling unit.



Keep the cargo box interior clean.

Keep the cargo box inside clean in order to get Maximum Cooling Capacity always.

