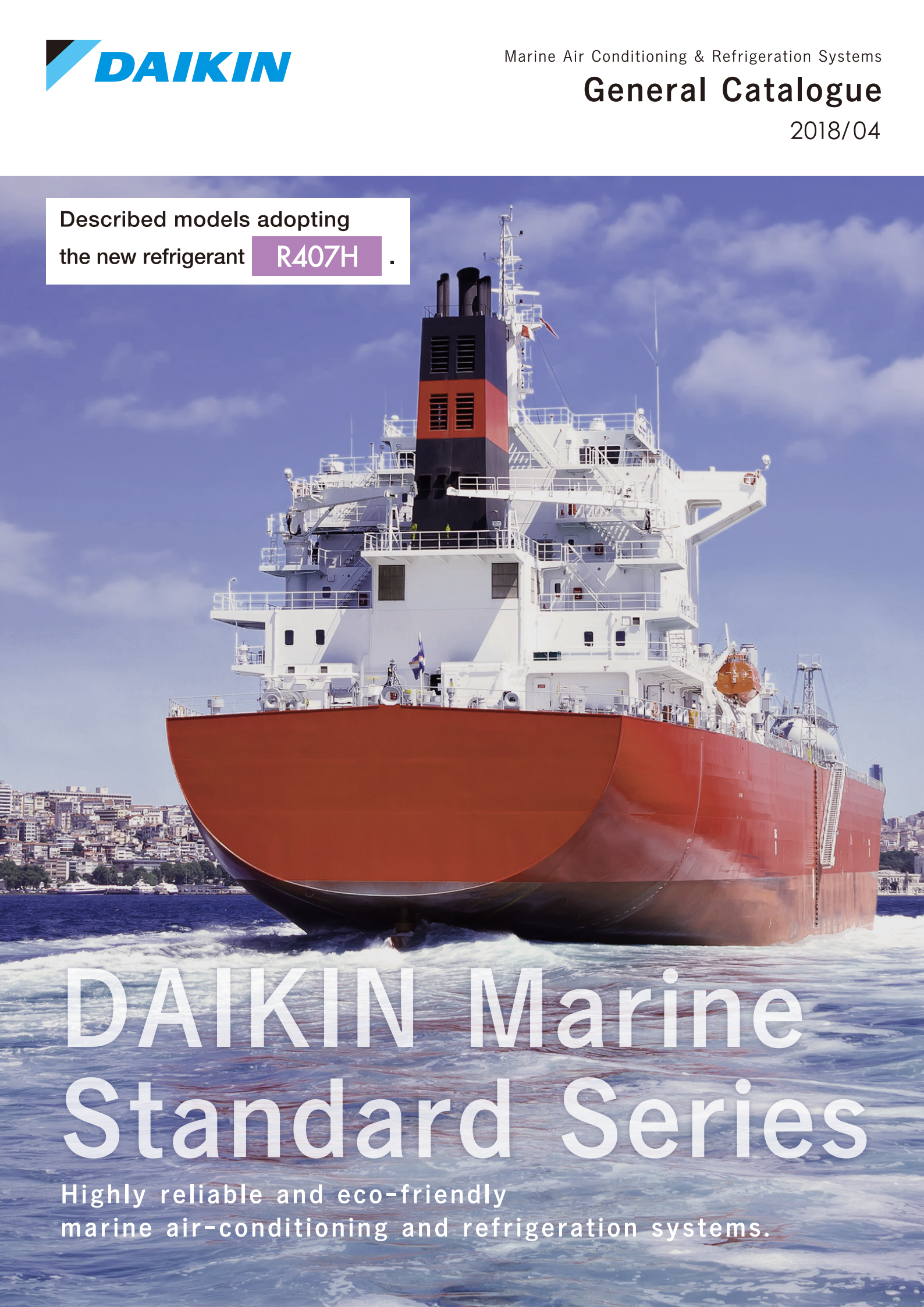


Described models adopting
the new refrigerant

R407H

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A large red and white ship, likely a ferry or cargo ship, is shown sailing on the water. The ship has a prominent red hull and a white superstructure with multiple decks and railings. It is moving towards the left, leaving a white wake behind it. In the background, a city skyline is visible under a blue sky with some clouds.

DAIKIN Marine Standard Series

Highly reliable and eco-friendly
marine air-conditioning and refrigeration systems.

DAIKIN offers highly reliable, environmentally friendly, and easy to use packaged solutions for marine environments.

Equipment design based on your needs.

REFRIGERANTS

R407H series GWP 1495^{※1}

New refrigerant R 407 developed by Daikin's technology

It is a highly efficient and environmentally friendly refrigerant that can be adopted from air conditioners to refrigerators.

R407C series GWP 1770^{※1}

R407C is an eco-friendly refrigerant for intermediate temperature air conditioning and refrigeration. With a GWP of 1770 and ODP (ozone depletion potential) of 0, R407C series units can accommodate environmental options for all ship classifications.

R404A series GWP 3920

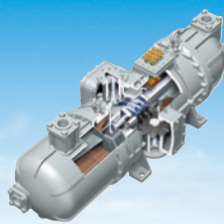
High performance refrigerant for both air conditioning and refrigeration provision systems.

COMPRESSOR TECHNOLOGY



Scroll Compressor

- Hermetic
- Maintenance-free
- High efficiency



Single Screw Compressor

- Semi-hermetic
- Large scale
- High durability

※ 1 : GWP(Global Warming Potential) values are based on 4th IPCC.



LINE-UP



DECK UNIT

High-efficient IE3 fan motor

Centralized air conditioning for living quarters, etc.

R407H

R407C

R404A

- Easy installation (no refrigerant piping on site)
- Hermetic scroll compressors
- Low maintenance



PACKAGED AIR CONDITIONER

High-efficient IE3 fan motor

Independent air conditioning for rooms and workspaces.

R407H

R407C

R404A

- Compact design
- Hermetic scroll compressor
- Low vibration and noise



PACKAGED AIR CONDITIONER for Galley

High-efficient IE3 fan motor

Independent air conditioning system providing 100% fresh air for ship Galley.

R407H

R407C

R404A

- Compact design
- Hermetic scroll compressor
- Ducted system supplying 100% fresh air



SMALL SIZE CONDENSING UNIT

Low temperature refrigeration for provision chambers.

R407H

R407C

R404A

- Operation range down to -35°C evaporating temperature
- Hermetic scroll compressor



WATER CHILLING UNIT

Water chilling unit for large capacity central air conditioning systems.

R407H

R407C

R404A

- Semi-hermetic single screw compressor
- Precise control

DECK UNIT

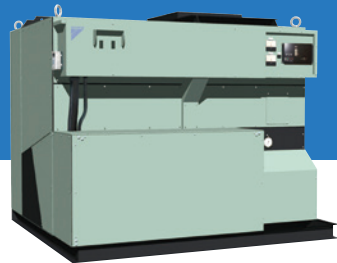
PACKAGED AIR
CONDITIONER

PACKAGED AIR
CONDITIONER for Galley

SMALL SIZE
CONDENSING UNIT

WATER
CHILLING UNIT

DECK UNIT



R407C

R404A

R407H

R407C Series [Hermetic scroll compressor]

Model				USD25GD	USD30JB1	USD30JB2	USD40JB1	USD40JB2	USD50JB1	USD50JB2
High-efficient IE3 fan motor				☐	☐	☐	☐	☐	☐	☐
Power source			Main	3phase 400V/440V 50Hz/60Hz						
			Control	1phase 110V 50Hz/60Hz						
Painting color				New light blue (7.5BG7/2),DK black (N1)						
Outside dimensions		H×W×D	mm	1650×2000×1250			1550×2000×1800			
★1	Cooling capacity (50/60Hz)		kW	80/90	90/106		125/140		143/163	
	Cooling water flow rate (50/60Hz)		ℓ /min	275/300	330/360		440/480		450/490	
	Head loss (50/60Hz)		kPa	19.8/20.7	11.8/15.7		13.7/16.7		15.1/17.0	
★2	Rated power input (50/60Hz)		kW	21.5/28.2	30.1/38.4		39.9/49.7		47.0/58.9	
★3	Heating capacity		kW	106	-	132	-	170	-	212
★4	Humidifying capacity		kg/h	30	-	36	-	48	-	60
Compressor	Type			Hermetic scroll						
	Motor power × Q'ty		kW	9.0×2	7.5×3		7.5×4		9.0×4	
Condenser	Type			Water cooled shell and finned tube						
	Material	Tube/Fin		Copper alloy seamless tube, Aluminum fins						
		Shell		Steel pipe						
		Tube plate		Naval clad						
	Q'ty			1						
Evaporator	Type			Cross fin coil						
	Material			Copper tube, Aluminum fin with resistant against salty air						
Fan	Type			Multi-blade fan			Centrifugal fan			
	Air flow rate (50/60Hz)		m³/min	140/140	165/165		220/220		255/270	
	External static pressure (50/60Hz)		Pa	870/1180	1130/1580		1000/1800		890/1670	
	Motor power × Q'ty		kW	7.5×1	11×1			15×1		
Steam heater	Type			Cross fin coil	-	Cross fin coil	-	Cross fin coil	-	Cross fin coil
	Material			Copper tube, Aluminum fin	-	Copper tube, Aluminum fin	-	Copper tube, Aluminum fin	-	Copper tube, Aluminum fin
Humidifier				Steam spray	-	Steam spray	-	Steam spray	-	Steam spray
Air filter				Polyvinyl chloride fiber (washable)						
Refrigerant control				Thermostatic expansion valve						
Temperature controller				Attached	Attached return air thermostat					
Capacity steps			%	100-50-0	100-67-0		100-50-0			
Safety devices	Electric circuit			Circuit breaker (comp. system & fan motor) , Over-current relay (each comp. & fan motor) , Reverse phase protector, Compressor thermal protector, Freeze-up protection thermostat, Low temperature thermal protector						
	Refrigerant circuit			High pressure switch, Low pressure switch, Safety valve						
Acoustic insulation				Glass fiber, Fire-retardant felt, Polyethylene foam						
Piping connection	Chilled water inlet/outlet			2B [50A]	3B [80A]					
	Steam heater inlet			1 1/4B [32A]	-	1 1/4B [32A]	-	1 1/4B [32A]	-	1 1/4B [32A]
	Steam heater outlet			3/4B [20A]	-	3/4B [20A]	-	3/4B [20A]	-	3/4B [20A]
	Steam spray inlet			3/4B [20A]						
	Refrigerant relief valve			1/2B [15A] (with companion flange)						
	Upper drain outlet			1 1/4B [32A]						
	Lower drain outlet			1B [25A]						
Refrigerant	Kind			R407C						
	Initial charged		kg	11.7	2.5					
	Additional charged		kg	-	13.5		18.5			
Machine weight			kg	1180	1225	1275	1555	1625	1565	1635
Applied standard				NK (Water cooling condenser)						
Accessories (spec. × Q'ty)				Fuse, Thermometer, Lower drain pipe	Fuse, Thermometer, Lower drain pipe, Water mate flange					

R404A Series [Hermetic scroll compressor]

※ All others except the following items are identical to R407C Series.
 ※ Please inquire us concerning detailed specifications of USDN60HB・75HB.

Model				USDN25HB	USDN30JB1 USDN30JB2	USDN40JB1 USDN40JB2	USDN50JB1 USDN50JB2	USDN60HB	USDN75HB
High-efficient IE3 fan motor				☐	☐	☐	☐	☐	☐
★1	Cooling capacity (50/60Hz)		kW	74/83	92/103	122/136	141/158	183/194	214/235
★2	Rated power input (50/60Hz)		kW	23.1/29.9	33.6/39.5	42.1/52.8	49.0/61.8	58.2/74.5	72.7/91.7
Refrigerant	Kind			R404A					
	Initial charged		kg	11.8	2.5			3	
	Additional charged		kg	-	15	20.5		39	42

R407H Series [Hermetic scroll compressor]

※ All other except the following items are identical to R407C Series

Model				USD25GDR	USD30JB1R USD30JB2R	USD40JB1R USD40JB2R	USD50JB1R USD50JB2R
★1	Cooling capacity (60Hz)		kW	90	106	140	163
★2	Rated power input (60Hz)		kW	30.7	41.8	54.2	64.1
Refrigerant	Kind			R407H			

Optional specification

Model				USD25GD USDN25HB	USD30JB1/JB2 USDN30JB1/JB2	USD40JB1/JB2 USDN40JB1/JB2	USD50JB1/JB2 USDN50JB1/JB2	USDN60HB	USDN75HB
Higher pressure of fan (50Hz only)				●	●	●	●	●	●
Hot water heater				●	●	●	●	●	●
Steam regulating panel				●	●	●	●	●	●
No fuse breaker, independent motor circuit				●	●	●	●	●	●
Spare parts kit				●	●	●	●	●	●
Power source, control circuit 1 phase 220V 60Hz				●	●	●	●	●	●
Alteration of piping direction				●	●	●	●	●	●

★1 : Shows at Evaporator inlet air temp. 31°CDB., 24°CWB., Condenser inlet temp. 32°C.
 ★2 : Shows at Nominal cooling condition, and 3 phase 400V 50Hz/440V 60Hz.
 ★3 : Shows at Steam heater inlet air temp. 10°CDB., Steam inlet press.0.4MPa, air flow rate at 60Hz.
 ★4 : Shows at Steam inlet press. 0.035MPa(Saturated).

PACKAGED AIR
CONDITIONER

R407C

R404A

R407H

R407C Series [Hermetic scroll compressor]

Model			USP3H	USP5H	USP8HB	USP10HB	USPC15HB	USPG15HB	USPC20HB	USPG20HB		
High-efficient IE3 fan motor			-	-	□	□	□	□	□	□		
Power source		Main	3phase 380, 400, 415V/440V 50Hz/60Hz									
		Control	1phase 200V/200,220V 50Hz/60Hz									
Painting color			New light blue (7.5BG7/2)									
Outside dimensions		H×W×D	mm	1472×800×410	1670×1050×550	1680×1350×600	1680×1350×750	1685×1600×1030	1685×1600×850	1685×1600×1030		
★1	Cooling capacity	(50/60Hz)	kW	9.0/10.0	15.0/17.0	22.4/25.0	30.0/33.5	45.0/50.0	60.0/67.0			
	Cooling water flow rate	(50/60Hz)	ℓ /min	45/45	71/77	91/98	120/130	207/225	275/300			
★2	Head loss	(50/60Hz)	kPa	12.7/14.7	18.6/21.6	11.8/13.7	13.7/15.7	12.3/14.2	12.3/14.2			
	Rated power input	(3P 400/440V 50/60Hz)	kW	2.62/3.38	4.00/4.90	6.24/8.28	8.87/11.6	11.1/15.6	16.6/21.7			
Compressor	Type	Hermetic scroll										
	Motor power × Q'ty	kW	3.0×1	3.75×1	5.5×1	7.5×1	5.5×2	7.5×2				
Condenser	Type	Water cooled shell and finned tube										
	Material	Tube/Fin	Copper alloy seamless tube, Aluminum fins									
		Shell	Steel tube									
Evaporator	Material	Tube plate	Naval clad									
		Type	Cross fin coil									
Fan	Material	Copper tube, Aluminum fins										
		Motor power × Q'ty	kW	0.4×1	11×1	0.75×1	2.2×1	3.7×1	5.5×1			
	Air flow rate	(50/60Hz)	m³/min	22/27	42/50	50/60	67/80	100/120	135/160			
Air filter			Polyvinyl chloride fiber (washable)									
Refrigerant control			Thermostatic expansion valve									
Temperature controller			Thermostat									
Capacity steps		%	100-0				100-50-0					
Safety devices	Electric circuit	Over-current relay (each comp. & fan motor) , Reverse phase protector										
	Refrigerant circuit	High pressure switch, Low pressure switch										
Thermal & sound isolator			Glass fiber									
Piping connection	Chilled water inlet/outlet		1B	1 1/2B			2B	2 1/2B				
	Upper/Lower drain outlet		3/4B	1B								
Refrigerant	Kind		R407C									
	Initial charged	kg	2.2	3.5	5.0	5.9	10.0		11.2			
	Additional charged	kg	-									
Machine weight		kg	165	230	350	445	610	600	760	750		
Applied standard			-								NK (Water cooling condenser)	
Standard accessories			Spare parts				Fuse					

R404A Series [Hermetic scroll compressor]

※ All others except the following items are identical to R407C Series.

Model			USP3HR1	USP5HR1	USN8HB	USN10HB	USNC15HB	USNG15HB	USNC20HB	USNG20HB
★1	Cooling capacity	(50/60Hz)	kW	8.7/9.7	14.6/16.5	21.7/24.3	29.1/32.5	43.7/48.5	58.2/65.0	58.2/65.0
★2	Rated power input	(3P 400/440V 50/60Hz)	kW	2.78/3.58	4.24/5.19	6.60/8.77	9.39/12.3	12.3/16.5	17.6/23.1	17.6/23.1
Refrigerant	Kind		R404A							
	Charged	kg	2.2	3.5	5	5.9	10		11.2	

R407H Series [Hermetic scroll compressor]

※ All other except the following items are identical to R407C Series

Model			USP3HR	USP5HR	USP8HBR	USP10HBR	USPC15HBR	USPG15HBR	USPC20HBR	USPG20HBR
★1	Cooling capacity	(60Hz)	kW	10.0	17.0	25.0	33.5	50.0	50.0	67.0
★2	Rated power input	(3P 440V 60Hz)	kW	3.70	5.37	9.08	12.7	17.0	23.6	23.6
Refrigerant	Kind		R407H							

R407C 200V series (50/60Hz) [Hermetic scroll compressor]

Model			USP3HTG	USP5HTG	USP8HTG	USP10HTG
High-efficient IE3 fan motor			-	□	□	□
★1	Cooling capacity	(50/60Hz)	kW	9.0/10.0	15.0/17.0	22.4/25.0
★2	Rated power input	(3P 200/220V 50/60Hz)	kW	3.15/3.88	4.88/5.69	6.98/8.85
Fan	External static press	(50/60Hz)	Pa	142/186	195/285	250/365

R407H 200V series [Hermetic scroll compressor]

※ All other except the following items are identical to R407C 200V Series

Model			USP3HTGR	USP5HTGR	USP8HTGR	USP10HTGR
★1	Cooling capacity	(60Hz)	kW	10.0	17.0	25.0
★2	Rated power input	(3P 220V 60Hz)	kW	4.25	6.21	9.67
Refrigerant	Kind		R407H			

Optional specification

■ Optional kit

Model			USP3H USP3HR1 USP3HTG	USP5H USP5HR1 USP5HTG	USP8HB USN8HB USP8HBTG	USP10HB USN10HB USP10HBTG	USPG15HB USPC15HB USNG15HB USNC15HB	USPG20HB USPC20HB USNG20HB USNC20HB
Plenum chamber kit			●	●	●	-	-	-
Spare parts kit			- (Standard accessories)				●	●

■ Optional modification

Model			USP3H USP3HR1 USP3HTG	USP5H USP5HR1 USP5HTG	USP8HB USN8HB USP8HBTG	USP10HB USN10HB USP10HBTG	USPG15HB USPC15HB USNG15HB USNC15HB	USPG20HB USPC20HB USNG20HB USNC20HB
Electrical heater			●	●	●	●	●	●
Steam heater			●	●	●	●	●	●
Steam spray			●	●	●	●	●	●
Hot water heater			●	●	●	●	●	-
Fresh air intake duct connection			●	●	●	●	-	-
Rear suction duct connection			-	●	●	●	-	-
Stage-up of fan motor			●	●	(USP8HBTG:-)	Standard	●	●
Alteration of motor pulley			●	●	●	●	●	●
Alteration of piping direction			●	●	●	●	●	●

★1 : Shows at Evaporator inlet air temp. 27°CDB., 19.5°CWB., Condenser inlet temp. 32°C.

★2 : Shows at rated cooling condition.

USF SERIES

PACKAGED AIR
CONDITIONER for Galley

R407C

R404A

R407H

R407C & R404A Series [Hermetic scroll compressor]

Model				USFP3JB	USFP5JC	USFP8JC	USFN3JB	USFN5JC	USFN8JC
High-efficient IE3 fan motor				-	□	□	-	□	□
Power source		Main		3phase 440V 60Hz					
		Control		1phase 220V 60Hz					
Painting color				New light blue (7.5BG7/2)					
Outside dimensions		H×W×D	mm	1662×800×410	1670×1050×550	1680×1350×600	1662×800×410	1670×1050×550	1680×1350×600
★1	Cooling capacity	kW		13.0	19.0	32.0	13.0	19.0	32.0
	Cooling water flow rate	ℓ/min		45	65	98	45	65	98
	Head loss	kPa		14.7	15.6	13.7	14.7	15.6	13.7
★2	Power consumption	kW		4.2	4.68	8.27	4.4	4.83	9.19
Compressor	Type			Hermetic scroll					
	Motor power × Q'ty	kW		3×1	3.75×1	5.5×1	3×1	3.75×1	5.5×1
Condenser	Type			Water cooled shell and finned tube					
	Material	Tube/Fin		Copper alloy seamless tube, Aluminum fins					
		Shell		Steel tube					
Evaporator	Material	Tube plate		Naval clad					
				Cross fin coil					
Fan	Type			Sirocco fan					
	Air flow rate	m³/min		12	20	30	12	20	30
	Motor power × Q'ty	kW		0.4×1	0.75×1	1.5×1	0.4×1	0.75×1	1.5×1
	Air filter			Polyvinyl chloride fiber (washable)					
Refrigerant control				Thermostatic expansion valve					
Temperature controller				Thermostat					
Capacity step				100-0					
Safety devices	Electric circuit			Over-current relay (each comp. & fan motor), Reverse phase protector					
	Refrigerant circuit			High pressure switch, Low pressure switch					
	Thermal & sound isolator			Glass fiber					
Piping connection	Chilled water inlet/outlet			1B	1 1/2B	1 1/2B	1B	1 1/2B	1 1/2B
	Upper/Lower drain outlet			3/4B (PS 3/4)	1B (PS 1)	1B (PS 1)	3/4B (PS 3/4)	1B (PS 1)	1B (PS 1)
Refrigerant	Kind			R407C			R404A		
	Initial charged	kg		2.1	3.1	6.3	2.1	3.1	6.3
	Additional charged	kg		-					
	Machine weight	kg		185	255	360	185	255	360

R407H Series [Hermetic scroll compressor]

※All other except the following items are identical to R407C Series

Model				USFP3JBR	USFP5JCR	USFP8JCR
★1	Cooling capacity	(60Hz)	kW	13	19	32
★2	Rated power input	(3P 440V 60Hz)	kW	4.46	5.13	9.03
Refrigerant	Kind			R407H		

★1 : Shows at Evaporator inlet air temp. 35°CDB., 30°CWB., Condenser inlet temp. 32°C.

★2 : Shows at rated cooling condition.

RHS SERIES

SMALL SIZE
CONDENSING UNIT

R407C

R404A

R407H

R407C Series [Hermetic scroll compressor]

Model				RHSP4BC	RHSP5BC	RHSP8BC	
Power source			Main	3phase 380 400/440V 50/60Hz			
			Control	1phase 100/110V 50/60Hz			
Painting color				New light blue (7.5BG7/2), DK black (N1)			
Outside dimensions		H×W×D	mm	1016×1250×510	1016×1250×510	1074×1450×527	
★1	Refrigerating capacity	(60Hz)	kW	4.5	5.76	7.96	
	Cooling water flow rate	(60Hz)	ℓ /min	33	48	60	
★1	Head loss	(60Hz)	kPa	26.5	35.7	35	
	Power consumption	(60Hz)	kW	3.35	4.05	5.35	
Compressor	Type	Hermetic scroll					
	Motor power × Q'ty		kW	3.0×1	3.75×1	4.5×1	
Condenser	Type	Water cooled shell and bare tube					
	Material	Cooling piping	Copper alloy seamless tube				
		Shell	Steel pipe				
		Tube plate	Naval clad				
Capacity steps		%	100-67-0				
Oil separator			Attached				
Accumulator			Attached				
Piping connection	Liquid pipe	φ9.5 Flare				φ12.7 Flare	
	Gas suction valve	φ19.1 Flare				φ25.4 Flange	
	Condenser water	1B				1 1/2B	
Refrigerant	Kind	R407C					
Machine weight		kg	150	160	200		
Standard accessories			Thermometer, Water mate flange				
			Thermometer, Flange & Gasket for suction piping, Water mate flange				

R404A Series [Hermetic scroll compressor]

※All others except the following items are identical to R407C Series.

Model				RHSN4BC	RHSN5BC	RHSN8BC
★1	Cooling capacity	(60Hz)	kW	5.00	6.40	8.84
★1	Power consumption	(60Hz)	kW	3.64	4.3	5.5
Refrigerant	Kind			R404A		

R407H Series [Hermetic scroll compressor]

※All other except the following items are identical to R407C Series

Model				RHSP4BCR	RHSP5BCR	RHSP8BCR
★1	Cooling capacity	(60Hz)	kW	4.5	5.76	7.96
★1	Power consumption	(3P 440V 60Hz)	kW	3.70	4.47	5.91
Refrigerant	Kind			R407H		

Optional specification

■ Optional kit

Model				R407C R404A	RHSN4BC RHSP4BC	RHSN5BC RHSP5BC	RHSN8BC RHSP8BC
Spare parts kit					●	●	●

★1 : Evaporating temp., the midpoint temp. in case of R407C, -20°C, and entering condenser water 32°C.

WATER CHILLING UNIT



R407C

R404A

R407H

R407C Sea water condenser series [Semi-hermetic single screw compressor]

Model				R407C	NK standard	UWSP04CSN	UWSP05CSN	UWSP06CSN	UWSP08CSN	UWSP10CSN	UWSP12CSN
					Domestic standard	UWSP04CSK	UWSP05CSK	UWSP06CSK	UWSP08CSK	UWSP10CSK	UWSP12CSK
Power source					3phase 440V 60Hz						
Painting color					New light blue (7.5BG7/2)						
Outside dimensions			HxWxD	mm	1767×2797×759				1612×2844×1035		
★1	Cooling capacity (60Hz)			kW	115	147	180	241	310	354	
	Chilled water flow rate (60Hz)			ℓ /min	330	420	520	690	890	1010	
★1	Cooling water flow rate (60Hz)			ℓ /min	480	520	720	960	1040	1440	
	Power consumption (60Hz)			kW	40.5	53.5	59.1	82.3	105.7	119.4	
Compressor	Motor power × Q'ty			kW	30×1	37×1	45×1	30×2	37×2	45×2	
	Starting method				Star and delta starting			Sequential star and delta starting			
Condenser	Type				Sea water cooled shell and low fin tube						
	Q'ty				1			2			
Evaporator	Type				Dry expansion shell and HI-X tube						
	Q'ty				1						
Capacity steps				%	100-70-40-0				100-70-50-20-0		
Lubricant oil					DAPHNE FVC68D						
Operation mass				kg	1350	1440	1530	2160	2520	2790	

R404A Sea water condenser series [Semi-hermetic single screw compressor]

Model		R404A	NK standard	UWSN04CSN	UWSN05CSN	UWSN06CSN	UWSN08CSN	UWSN10CSN	UWSN12CSN
			Domestic standard	UWSN04CSK	UWSN05CSK	UWSN06CSK	UWSN08CSK	UWSN10CSK	UWSN12CSK
★1	Cooling capacity	(60Hz)	kW	115	147	180	241	310	354
★1	Power consumption	(60Hz)	kW	45.8	59.4	66.9	92.6	121.4	135.9
	Chilled water flow rate	(60Hz)	ℓ /min	330	420	520	690	890	1010
	Cooling water flow rate	(60Hz)	ℓ /min	480	520	720	960	1040	1440
Condenser	Type	Sea water cooled shell and low fin tube							
	Q'ty	1				2			

R407H Sea water condenser series [Semi-hermetic single screw compressor]

Order start in October 2018

Model		R404A	NK standard	UWSP04CSNR	UWSP05CSNR	UWSP06CSNR	UWSP08CSNR	UWSP10CSNR	UWSP12CSNR
			Domestic standard	UWSP04CSKR	UWSP05CSKR	UWSP06CSKR	UWSP08CSKR	UWSP10CSKR	UWSP12CSKR
★1	Cooling capacity	(60Hz)	kW	115	147	180	241	310	354
★1	Rated power consumption	(60Hz)	kW	42.5	56.2	62.1	86.5	111.0	125.4

R407C Central cooling condenser series [Semi-hermetic single screw compressor]

Model		R407C	NK standard	UWSP04CCN	UWSP05CCN	UWSP06CCN	UWSP08CCN	UWSP10CCN	UWSP12CCN
			Domestic standard	UWSP04CCK	UWSP05CCK	UWSP06CCK	UWSP08CCK	UWSP10CCK	UWSP12CCK
★2	Cooling capacity	(60Hz)	kW	107	138	167	218	288	335
★2	Power consumption	(60Hz)	kW	46,6	57,9	69,8	94,1	119	148,6
	Chilled water flow rate	(60Hz)	ℓ /min	310	400	480	620	830	960
	Cooling water flow rate	(60Hz)	ℓ /min	510	650	790	1030	1300	1560
Condenser	Type	Water cooled shell and finned tubes							
	Q'ty	1				2			

R404A Central cooling condenser series [Semi-hermetic single screw compressor]

Model		R404A	NK standard	UWSN04CCN	UWSN05CCN	UWSN06CCN	UWSN08CCN	UWSN10CCN	UWSN12CCN
			Domestic standard	UWSN04CCK	UWSN05CCK	UWSN06CCK	UWSN08CCK	UWSN10CCK	UWSN12CCK
★2	Cooling capacity	(60Hz)	kW	107	138	167	218	288	335
★2	Power consumption	(60Hz)	kW	52.1	65.8	78.3	105.2	135	157.8
	Chilled water flow rate	(60Hz)	ℓ /min	310	400	480	620	830	960
	Cooling water flow rate	(60Hz)	ℓ /min	510	650	790	1030	1300	1560
Condenser	Type		Water cooled shell and finned tubes						
	Q'ty		1			2			

R407H Central cooling condenser series [Semi-hermetic single screw compressor]

Order start in October 2018

Model		R404A	NK standard	UWSP04CCNR	UWSP05CCNR	UWSP06CCNR	UWSP08CCNR	UWSP10CCNR	UWSP12CCNR
			Domestic standard	UWSP04CCKR	UWSP05CCKR	UWSP06CCKR	UWSP08CCKR	UWSP10CCKR	UWSP12CCKR
★1	Cooling capacity (60Hz)		kW	107	138	167	218	288	335
★1	Rated power consumption (60Hz)		kW	50.0	60.8	73.3	98.5	125	156

Optional specification

Model	UWSP04CS UWSN04CS UWSP04CC UWSN04CC	UWSP05CS UWSN05CS UWSP05CC UWSN05CC	UWSP06CS UWSN06CS UWSP06CC UWSN06CC	UWSP08CS UWSN08CS UWSP08CC UWSN08CC	UWSP10CS UWSN10CS UWSP10CC UWSN10CC	UWSP12CS UWSN12CS UWSP12CC UWSN12CC
50Hz power source	●	●	●	●	●	●
Spare parts	●	●	●	●	●	●

★1 : Leaving/entering water 7/12°C and entering condenser water 32°C.
 ★2 : Leaving/entering water 7/12°C and entering condenser water 38°C.

DECK UNIT

PACKAGED AIR
CONDITIONERPACKAGED AIR
CONDITIONER for GalleySMALL SIZE
CONDENSING UNITWATER
CHILLING UNIT

Global Sales & Service Network



ISO



JMI-0107

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.



ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organization as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

SAFETY CAUTIONS



Safety Cautions

- Deck, packaged air conditioner and split air conditioner are an air conditioner covering persons. Never use it for other application. Request Daikin's authorized dealer or other specialist for installation of this unit. Installation by yourself and imperfection, if any, could cause electric shock, fire, water leak, etc.
- For proper installation and operation, read and follow "Engineering Data" and "Operation Manual".
- The refrigerant used in this unit is non-toxic and incombustible. However, a proper preventive measure (ventilator, etc.) against refrigerant is required when this unit is used at a space exceeding the permissible capacity range.
- In planning and using the Marine Units, select an optimum model and comply with the requirements for operation and installation. In addition, perform routine and periodic check and proper running control.
- The descriptive contents are subject to change without prior notice due to better improvement of the unit.
- Never charge anything other than the refrigerant specified by our company into the units. The type of refrigerant charging in the units is indicated on the instruction manual or on the nameplate on the unit. We will not be responsible for any malfunction or failure in case other refrigerant is charged.

CONTACT

DAIKIN MR ENGINEERING CO., LTD.

Shin-osaka, Central-tower, 11F, 5-5-15, Nishinakajima,
Yodogawa-ku, Osaka, 532-001, JAPAN
TEL: +81 6 4805 7293 FAX: +81 6 4805 7231
<http://www.daikin.co.jp/group/dmre/english/>

DAIKIN EUROPE N.V. HAMBURG MARINE OFFICE

Stresemannstrasse 342, 22761, Hamburg, Germany
TEL: +49 40 890 609-11
<http://www.daikineurope.com>

DAIKIN MARINE (SHANGHAI) CO., LTD

Room G, 19F, No.1 Plaza, 800 Nanjing East Road, Huangpu,
Shanghai, 200001, CHINA
TEL: +86 21 6322 4198 FAX: +86 21 6322 4199
<http://daikin-marine.com/en>

DAIKIN AIRCONDITIONING (SINGAPORE) PTE. LTD.

10 Ang Mo Kio Industrial Park 2, 569501, Singapore
TEL: +65 6583 8888
<http://www.daikin.com.sg/>