

# AMV6 HR

## heat recovery VRF system



## Mode Exchange Unit

Model	Product Outlook
NCHS1D	
NCHS2D	
NCHS4D	
NCHS8D	

## Hydro Box

Model	Product Outlook
NRQR16L/A-T	
NRQR30L/A-T	

## Outdoor Unit

Model		AMV6-O224/HR	AMV6-O280/HR	AMV6-O335/HR	AMV6-O400/HR	AMV6-O450/HR	AMV6-O504/HR	AMV6-O560/HR	AMV6-O615/HR	
Capacity range	HP	8	10	12	14	16	18	20	22	
Cooling capacity	Rated	kW 22.4	28	33.5	40	45	50.4	56	61.5	
	Rated	kW 16.2	16.2	18.5	23.5	23.5	33	33	37	
Heating capacity	Max.	kW 25	31.5	37.5	45	50	56.5	63	69	
	Ducted	-	7.40	6.58	6.29	6.62	6.34	6.24	6.15	5.95
SEER	Cassette	-	7.07	5.95	6.98	6.50	6.11	5.57	5.38	5.19
	Ducted	-	5.18	5.18	5.44	4.87	4.87	4.89	4.80	4.80
SCOP	Cassette	-	4.47	4.47	4.55	4.18	4.18	4.05	3.95	3.95
	V/Ph/Hz	380-415V 3N~50/60Hz								
Max. Circuit/Fuse Current	A	23.0/25	23.5/25	24.1/25	32.5/40	33.5/40	47.0/50	48.0/50	49.0/50	
Max. input power	kW	12.87	13.15	13.5	18.18	18.74	26.3	26.85	27.41	
Maximum drive IDU NO.	unit	13	16	19	23	26	29	33	36	
Refrigerant charge volume	kg	8.0	8.5	9.6	11.1	11.6	12.8	12.8	13.3	
Sound pressure level(Cooling)	dB(A)	60	61	63	63	63	63	63	64	
Sound power level(Cooling)	Ducted	dB(A) 81	83	88	89	88	87	93	93	
	Cassette	dB(A) 81	86	88	87	89	87	88	94	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	15.9	
	High pressure gas	mm	Φ15.9	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ25.4	25.4	
	Low pressure gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6	28.6	
Dimension(W×D×H)	Outline	mm	930×775×1690	930×775×1690	930×775×1690	1340×775×1690	1340×775×1690	1340×775×1690	1340×775×1690	
	Package	mm	1000×830×1855	1000×830×1855	1000×830×1855	1400×830×1855	1400×830×1855	1400×830×1855	1400×830×1855	
Net weight/Gross weight	kg	240/250	243/253	256/266	320/335	325/340	385/400	385/400	385/400	
Loading quantity	40' GP	set	28	28	28	22	22	22	22	
	40' HQ	set	28	28	28	22	22	22	22	

## Mode Exchange Unit

Model		NCHS1D*	NCHS2D*	NCHS4D*	NCHS8D*	
Numbers of branches	unit	1	2	4	8	
Maximum numbers of connectable IDUs	Per branch	unit 8	8	8	8	
	Total	unit 8	16	32	64	
Maximum capacity of connectable IDUs	Per branch	kW 16	16	16	16	
	Total	kW 16	28	45	85	
Power supply	V/Ph/Hz	220-240V ~ 50/60Hz				
Power consumption	Cooling	W 13.5	25	32	90	
	Heating	W 13.5	25	32	90	
Piping connections	ODU	Liquid	mm	Φ9.52	Φ12.7	Φ15.9
		High pressure gas	mm	Φ19.05	Φ19.05	Φ22.2
		Low pressure gas	mm	Φ22.2	Φ22.2	Φ28.6
	IDU	Liquid	mm	Φ6.35/9.52	Φ6.35/9.52	Φ6.35/9.52
		Gas	mm	Φ12.7/15.9	Φ12.7/15.9	Φ12.7/15.9
		Package	mm	340×388×250	340×388×250	460×388×250
Dimension(W×D×H)	mm	863×624×298	863×624×298	979×624×303	1300×624×288	
Net weight/Gross weight	kg	12/17.5	14.5/20.5	20.6/27	33/42	

Model		NRQR16L/A-T*	NRQR30L/A-T*
Heating capacity	kW	16	30
Heating Power Input	W	10	10
Power Supply	V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz	
Connecting pipe diameter	to exchange unit	Gas	mm 15.9
		Liquid	mm 9.52
	to water tank	mm 25	
	L/min	46	
Dimension(W×D×H)	Outling	mm 515×330×606	
	Package	mm 685×473×657	
Net/Gross Weight	kg	36/41	40/46
Loading quantity	40' GP/40' HQ	set 252/336	252/336

Note\*: This product model is under development. Please confirm the final specifications with sales representatives.

## AMV6 HR Outdoor Units Lineup

Model	AMV6-O224/HR	AMV6-O280/HR	AMV6-O335/HR	AMV6-O400/HR	AMV6-O450/HR	AMV6-O504/HR	AMV6-O560/HR	AMV6-O615/HR
AMV6-O224/HR	●							
AMV6-O280/HR		●						
AMV6-O335/HR			●					
AMV6-O400/HR				●				
AMV6-O450/HR					●			
AMV6-O504/HR						●		
AMV6-O560/HR							●	
AMV6-O615/HR								●
AMV6-O680/2/HR		●		●				
AMV6-O730/2/HR		●			●			
AMV6-O784/2/HR		●				●		
AMV6-O840/2/HR		●					●	
AMV6-O8952/HR		●						●
AMV6-O950/2/HR			●					●
AMV6-O1015/2/HR				●				●
AMV6-O1065/2/HR					●			●
AMV6-O1119/2/HR						●		●
AMV6-O1175/2/HR							●	●
AMV6-O1230/2/HR								●●
AMV6-O1290/3/HR		●			●			●
AMV6-O1345/3/HR		●			●			●
AMV6-O1400/3/HR			●		●			●
AMV6-O1455/3/HR		●					●	●
AMV6-O1510/3/HR		●						●●
AMV6-O1565/3/HR			●					●●
AMV6-O1630/3/HR				●				●●
AMV6-O1680/3/HR					●			●●
AMV6-O1734/3/HR						●		●●
AMV6-O1790/3/HR							●	●●
AMV6-O1845/3/HR								●●●
AMV6-O1905/4/HR		●			●		●	●
AMV6-O1959/4/HR		●				●	●	●
AMV6-O2015/4/HR		●					●●	●
AMV6-O2070/4/HR		●					●	●●
AMV6-O2125/4/HR		●						●●●
AMV6-O2180/4/HR			●					●●●
AMV6-O2245/4/HR				●				●●●
AMV6-O2295/4/HR					●			●●●
AMV6-O2349/4/HR						●		●●●
AMV6-O2405/4/HR							●	●●●
AMV6-O2460/4/HR								●●●●

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