

M Series

## SUBMITTAL DATA SHEET

<b>DHM42NMB21S</b>			<b>42,000 BTU/H Multi Zone Heat Pump Outdoor Unit</b>	
<b>Job Name:</b>			<b>Location:</b>	
<b>Purchaser:</b>			<b>Order No.:</b>	
<b>Engineer:</b>				
<b>Submitted To:</b>	<b>For:</b>	<b>Ref:</b>	<b>Approval:</b>	<b>Construction:</b>
<b>Submitted By:</b>			<b>Date:</b>	
<b>Unit Designation:</b>			<b>Schedule No.:</b>	<b>Model No.:</b>



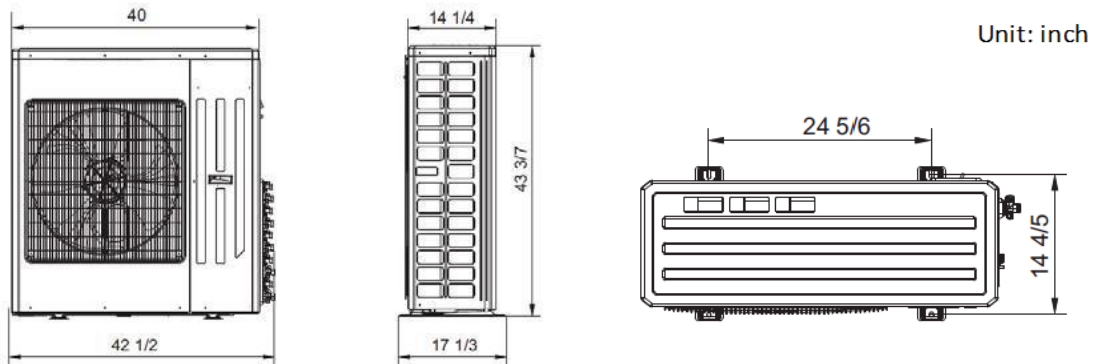
DHM42CMB21S

### FEATURES

- Heavy Gauge Steel Cabinet
- Sound Levels down to 56 DB
- No Refrigerant Distribution Boxes
- Indoor Primary/Secondary Settings
- Multi Condensate Ports
- R410A Refrigerant

System Rating		
System Type		Heat Pump
Rated Cooling Capacity	Btu/h	40,000
Cooling Capacity (Min-Max)	Btu/h	8,530-46,403
Rated Heating Capacity	Btu/h	44,500
Heating Capacity (Min-Max)	Btu/h	10,663-47,768
EER (Btu/h)/W		9.30
SEER		16.00
HSPF		8.20
Rated Voltage	V-PH-Hz	208/230-1-60
MCA	Amps	29
MOCP	Amps	50
Max. Total Piping Length	ft.(m)	265 (81)
Drop (outdoor above Indoor)/Rise (Indoor above outdoor)	ft.(m)	49 (15) / 49 (15)
Max. Height Between Indoors	ft.(m)	24.6 (15)
Max. Equivalent Length (Piping to furthest indoor unit)	ft.(m)	82 (25)
Port 1 Piping Connection Diameter - Liquid	(OD) in.	1/4
Port 1 Piping Connection Diameter - Gas	(OD) in.	3/8
Port 2 Piping Connection Diameter - Liquid	(OD) in.	1/4
Port 2 Piping Connection Diameter - Gas	(OD) in.	3/8
Port 3 Piping Connection Diameter - Liquid	(OD) in.	1/4
Port 3 Piping Connection Diameter - Gas	(OD) in.	1/2
Port 4 Piping Connection Diameter - Liquid	(OD) in.	1/4
Port 4 Piping Connection Diameter - Gas	(OD) in.	1/2
Port 5 Piping Connection Diameter - Liquid	(OD) in.	3/8
Port 5 Piping Connection Diameter - Gas	(OD) in.	5/8
Outdoor Unit		DHM42CMB21S
Operation Range - Cooling	F° (C)	23 - 118 (5 - 48)
Operation Range - Heating	F° (C)	5 - 80 (-15 - 27)
Refrigerant		R410A
Refrigerant Charge	oz (kg)	169.3 (4.8)
Unit Dimension (WxDxH)	in. (mm)	39.96x43.42x17.32 (1015x440x103)
Net / Gross Weight	lbs (kg)	225/247 (102/112)
Sound Pressure Level	dB(A)	58

## Outdoor Unit Dimensions



### Notes:

1. Recommended Cable Type between Outdoor and Indoor Units, 14-4 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes
3. Test conditions are based on AHRI 210/240

## Combination Table



42K Outdoor Unit & Possible Indoor Combinations WITH AHRI Certified Performance-M Series

Model Number	Combinations	Cooling Capacity (Btu/h)					Heating Capacity (Btu/h)				
		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
DHM42CMB21S	9K+9K	8,530	8,530				10,662	14,928			
DHM42CMB21S	9K+12K	8,530	11,942				10,662	14,928			
DHM42CMB21S	9K+18K	7,506	16,719				9,383	20,899			
DHM42CMB21S	9K+21K	7,008	19,542				9,121	22,900			
DHM42CMB21S	9K+24K (2)	6,824	20,472				8,530	25,591			
DHM42CMB21S	12K+12K	10,236	10,236				12,795	12,795			
DHM42CMB21S	12K+18K	10,577	16,719				13,222	20,899			
DHM42CMB21S	12K+21K (2)	10,490	19,904				13,073	23,590			
DHM42CMB21S	12K+24K (2)	10,236	22,178				12,795	27,723			
DHM42CMB21S	18K+18K	16,207	16,207				18,861	18,861			
DHM42CMB21S	18K+21K (2)	14,590	17,546				18,658	21,380			
DHM42CMB21S	18K+24K (2)	13,989	18,766				17,487	23,458			
DHM42CMB21S	21K+21K (2)	15,209	15,209				19,865	19,865			
DHM42CMB21S	21K+24K	14,935	16,148				19,253	20,378			
DHM42CMB21S	24K+24K (2)	16,207	16,207				20,261	20,261			
DHM42CMB21S	9K+9K+9K	8,189	8,189	8,189			10,236	10,236	10,236		
DHM42CMB21S	9K+9K+12K	6,994	7,336	10,236			8,745	9,171	12,795		
DHM42CMB21S	9K+9K+18K	8,018	8,018	16,378			10,024	10,025	20,472		
DHM42CMB21S	9K+9K+21K	8,022	8,022	17,506			10,026	10,026	21,428		
DHM42CMB21S	9K+9K+24K (2)	8,189	8,189	19,107			10,236	10,236	23,884		
DHM42CMB21S	9K+12K+12K	8,530	10,577	10,577			10,663	13,222	13,222		
DHM42CMB21S	9K+12K+18K	8,530	10,918	16,037			10,663	13,648	20,046		
DHM42CMB21S	9K+12K+21K (2)	8,223	9,865	19,988			9,902	12,006	22,985		
DHM42CMB21S	9K+12K+24K (2)	7,847	9,553	22,178			8,929	10,871	25,239		
DHM42CMB21S	9K+18K+18K	7,165	15,013	15,013			8,155	17,084	17,084		
DHM42CMB21S	9K+18K+21K (2)	6,965	14,950	17,420			7,954	16,205	19,856		
DHM42CMB21S	9K+18K+24K (2)	6,824	13,648	19,107			7,766	15,532	21,742		
DHM42CMB21S	9K+21K+21K	5,722	1,203	1,203			6,753	14,324	14,324		
DHM42CMB21S	9K+21K+24K	5,722	1,203	13,052			6,753	14,324	17,653		
DHM42CMB21S	9K+24K+24K (2)	5,800	16,890	16,890			6,599	19,220	19,220		
DHM42CMB21S	12K+12K+12K	11,771	11,771	11,942			14,716	14,716	14,928		
DHM42CMB21S	12K+12K+18K	10,918	10,918	13,648			13,648	13,648	17,060		
DHM42CMB21S	12K+12K+21K (2)	10,555	10,555	16,654			12,335	12,335	20,605		
DHM42CMB21S	12K+12K+24K (2)	10,065	10,065	19,449			11,454	11,454	22,131		
DHM42CMB21S	12K+18K+18K	9,553	15,013	15,013			10,871	17,084	17,084		
DHM42CMB21S	12K+18K+21K	9,306	14,965	15,654			10,563	16,850	18,200		
DHM42CMB21S	12K+18K+24K (2)	9,042	14,160	16,378			10,291	16,112	18,637		
DHM42CMB21S	12K+21K+21K	8,906	14,326	15,326			10,566	16,920	17,620		
DHM42CMB21S	12K+21K+24K (2)	8,795	15,033	15,850			10,325	17,201	17,635		
DHM42CMB21S	12K+24K+24K (2)	8,530	15,525	15,525			9,707	17,668	17,668		
DHM42CMB21S	18K+18K+18K	13,136	13,136	13,307			14,948	14,948	15,143		
DHM42CMB21S	18K+18K+21K (2)	13,165	13,165	14,893			14,506	14,506	16,658		
DHM42CMB21S	18K+18K+24K (2)	12,283	12,283	15,013			13,979	13,979	17,084		
DHM42CMB21S	18K+21K+21K (2)	12,126	14,895	14,895			13,855	15,830	15,830		
DHM42CMB21S	18K+21K+24K (2)	12,126	14,895	16,023			13,855	15,830	16,800		
DHM42CMB21S	9K+9K+9K+9K	8,871	8,871	8,871	8,871		11,089	11,089	11,089	11,089	
DHM42CMB21S	9K+9K+9K+12K	8,189	8,189	8,189	10,918		10,236	10,236	10,236	13,648	
DHM42CMB21S	9K+9K+9K+18K	7,847	7,847	7,847	16,037		8,929	8,929	8,928	18,248	
DHM42CMB21S	9K+9K+9K+21K (2)	7,320	7,320	7,320	17,850		8,365	8,365	8,365	19,014	
DHM42CMB21S	9K+9K+9K+24K (2)	6,824	6,824	6,824	19,107		7,766	7,766	7,766	21,742	
DHM42CMB21S	9K+9K+12K+12K	7,165	7,165	10,577	10,577		8,956	8,956	13,222	13,222	
DHM42CMB21S	9K+9K+12K+18K	6,824	6,824	10,577	15,354		7,766	7,766	12,038	17,473	
DHM42CMB21S	9K+9K+12K+21K	6,505	6,505	9,813	16,056		7,400	7,400	11,253	18,520	
DHM42CMB21S	9K+9K+12K+24K (2)	6,312	6,312	9,553	17,572		7,182	7,182	10,871	19,995	
DHM42CMB21S	9K+9K+18K+18K	6,483	6,483	13,307	13,307		7,377	7,377	15,143	15,143	
DHM42CMB21S	9K+9K+18K+21K (2)	6,352	6,352	12,035	15,235		7,198	7,198	13,568	17,893	
DHM42CMB21S	9K+9K+18K+24K (2)	6,141	6,141	10,407	16,890		6,988	6,988	11,843	19,220	
DHM42CMB21S	9K+9K+21K+21K	6,141	6,141	14,068	14,068		6,988	6,988	15,680	15,680	
DHM42CMB21S	9K+9K+21K+24K	6,141	6,141	14,068	16,850		6,688	6,688	15,680	18,780	
DHM42CMB21S	9K+12K+12K+12K	7,847	10,577	10,577	10,577		8,929	12,038	12,038	12,038	
DHM42CMB21S	9K+12K+12K+18K	7,165	8,700	8,700	15,013		8,155	9,902	9,902	17,084	
DHM42CMB21S	9K+12K+12K+21K (2)	6,898	8,356	8,356	16,896		7,898	9,562	9,562	18,563	
DHM42CMB21S	9K+12K+12K+24K (2)	6,483	7,933	7,933	17,231		7,377	9,028	9,028	19,609	
DHM42CMB21S	9K+12K+18K+18K	6,483	8,189	12,454	12,454		7,377	9,318	14,170	14,170	
DHM42CMB21S	9K+12K+18K+21K	6,483	8,189	12,454	15,520		7,377	9,318	14,170	18,680	
DHM42CMB21S	9K+12K+18K+24K	6,483	8,189	12,454	17,103		7,377	9,318	14,170	18,680	
DHM42CMB21S	9K+18K+18K+18K	5,800	11,260	11,260	11,260		6,599	12,812	12,812	12,812	
DHM42CMB21S	12K+12K+12K+18K	9,895	9,895	9,895	9,895		11,260	11,260	11,260	11,260	
DHM42CMB21S	12K+12K+12K+21K (2)	8,359	8,359	8,359	14,501		9,513	9,513	9,513	16,501	
DHM42CMB21S	12K+12K+12K+21K (2)	8,033	8,033	8,033	15,683		9,065	9,065	9,065	18,068	
DHM42CMB21S	12K+12K+12K+24K (2)	7,506	7,506	7,506	17,060		8,540	8,540	8,540	19,415	
DHM42CMB21S	12K+12K+18K+18K	7,847	7,847	11,942	11,942		8,928	8,928	13,590	13,590	
DHM42CMB21S	12K+12K+18K+21K	8,198	8,198	10,658	12,983		9,165	9,165	12,466	14,035	
DHM42CMB21S	9K+9K+9K+9K+9K	7,916	7,916	7,916	7,916	7,916	9,008	9,008	9,008	9,008	9,008
DHM42CMB21S	9K+9K+9K+9K+12K	7,421	7,421	7,421	7,421	9,895	8,445	8,445	8,445	8,445	11,260
DHM42CMB21S	9K+9K+9K+9K+18K	6,824	6,824	6,824	6,824	12,283	7,766	7,766	7,766	7,766	13,979
DHM42CMB21S	9K+9K+9K+9K+21K (2)	6,621	6,621	6,621	6,621	12,935	7,589	7,589	7,589	7,589	14,583
DHM42CMB21S	9K+9K+9K+9K+24K (2)	6,483	6,483	6,483	6,483	13,648	7,377	7,377	7,377	7,377	15,532
DHM42CMB21S	9K+9K+9K+12K+12K	7,165	7,165	7,165	9,042	9,042	8,155	8,155	8,155	10,291	10,291
DHM42CMB21S	9K+9K+9K+12K+18K	6,483	6,483	6,483	8,274	11,857	7,377	7,377	7,377	9,414	13,491
DHM42CMB21S	9K+9K+9K+12K+21K	6,450	6,450	8,195	12,835	7,368	7,368	7,368	7,368	9,356	15,283
DHM42CMB21S	9K+9K+9K+12K+24K	6,450	6,450	8,195	13,506	7,368	7,368	7,368	7,368	9,356	16,523
DHM42CMB21S	9K+9K+9K+18K+18K	6,483	6,483	10,065	10,065	7,377	7,377	7,377	7,377	11,454	11,454
DHM42CMB21S	9K+9K+12K+12K+12K	6,483	6,483	8,871	8,871	8,871	7,377	7,377	10,096	10,096	10,096
DHM42CMB21S	9K+9K+12K+12K+18K	5,971	5,971	8,018	8,018	11,601	6,793	6,793	9,124	9,124	13,201
DHM42CMB21S	9K+9K+12K+12K+21K	6,235	6,235	8,165	8,165	12,562	7,035	7,035	9,298	9,298	14,503
DHM42CMB21S	9K+12K+12K+12K+12K	6,483	8,274	8,274	8,274	7,377	9,414	9,414	9,414	9,414	9,414
DHM42CMB21S	9K+12K+12K+12K+18K	6,141	7,592	7,592	10,662	9,988	8,639	8,639	8,639	12,133	
DHM42CMB21S	12K+12K+12K+12K+12K	7,916	7,916	7,916	7,916	7,916	9,008	9,008	9,008	9,008	9,008