

R404a Discus

Discus Semi-Hermetic Condensing Units

KW (50Hz)

No. of Fans	Amb. Temp. °C	Cooling Capacity at 20°C suction return temperature													
		Evaporating Temperature °C													
		-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
P8-2DC-50X	27	1.49	2.34	3.35	4.45	5.75	7.15	8.7	10.35	12.10	13.95	14.70			
	32	1.10	1.93	2.87	3.95	5.15	6.45	7.9	9.40	11.05	12.75	13.40			
	38		1.46	2.35	3.35	4.45	5.6	6.9	8.30	9.75					
	43			1.92	2.85	3.85	4.95	6.1							
	46			1.68	2.56	3.5	4.55								
	49			1.44	2.27										
R7-2DD-50X	27	1.98	2.95	4.15	5.50	7.00	8.75	10.65	12.70	14.90	17.30	18.20			
	32	1.56	2.52	3.65	4.90	6.35	7.90	9.65	11.60	13.60	15.80	16.70			
	38		2.00	3.05	4.20	5.50	6.95	8.55	10.25	12.10	14.00	14.85			
	43			2.56	3.65	4.85	6.15	7.60	9.15						
	46			2.29	3.30	4.45	5.70	7.05							
	49			2.02	3.00	4.05									
R7-2DL-75X	27	3.10	4.30	5.70	7.30	9.10	11.05	13.25	15.50	18.00	20.60	21.70			
	32	2.68	3.85	5.15	6.65	8.35	10.15	12.15	14.30	16.60	18.90	19.90			
	38		3.30	4.55	5.90	7.45	9.10	10.85	12.80	14.80					
	43		2.88	4.05	5.30	6.70	8.20								
	46		2.63	3.75	4.95	6.25									
	49			3.45											
P8-2DB-50X	27	4.05	5.30	6.65	8.15	9.80	11.55	13.40							
	32		4.75	6.05	7.45	8.95	10.60								
	38			5.30	6.60	7.95									
	43				5.85										
	46														
	49														
S9-2DB-75X	27	4.20	5.60	7.25	9.10	11.20	13.55	16.10	18.90	21.90	25.00	26.30			
	32	3.70	5.05	6.60	8.35	10.30	12.45	14.85	17.40	20.10	23.00	24.20			
	38		4.35	5.80	7.40	9.20	11.15	13.25	15.50	18.00					
	43		3.80	5.15	6.60	8.25	10.00	11.90							
	46		3.45	4.75	6.15	7.65									
	49			4.30											
P8-3DA-50X	27		5.65	7.05	8.60	10.20									
	32		5.10	6.40	7.80	9.30									
	38			5.60	6.90	8.25									
	43														
	46														
	49														
S9-3DA-75X	27	4.45	6.05	7.90	9.95	12.25	14.80	17.60	20.50	23.70	27.00	28.40			
	32	3.95	5.45	7.20	9.10	11.25	13.60	16.20	18.90	21.80	24.80	26.10			
	38		4.80	6.35	8.15	10.10	12.20	14.50	16.90						
	43		4.20	5.70	7.35	9.10	11.00								
	46		3.90	5.30	6.85										
	49			4.95											
R7-3DC-75X	27	5.40	7.00	8.80	10.80	13.00									
	32		6.35	8.00	9.85	11.85									
	38			7.05	8.70	10.55									
	43				7.80										
	46														
	49														



Emerson Climate Technologies

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		Evaporating Temperature °C													
		-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
V6-3DC-100X	27	5.85	7.75	10.00	12.55	15.5	18.7	22.4	26.30	30.50	35.00	37.00			
	32	5.25	7.05	9.15	11.55	14.25	17.3	20.6	24.20	28.20	32.50	34.00			
	38		6.25	8.20	10.35	12.8	15.5	18.5	21.80	25.30	29.20	31.00			
	43		5.60	7.35	9.35	11.6	14.05	16.8	19.70						
	46		5.20	6.90	8.80	10.85	13.2								
	49			6.45	8.20										
S9-3DS-100X	27	7.65	9.70	12.00	14.55	17.30									
	32		8.90	11.00	13.35	15.90									
	38			9.85	11.95	14.25									
	43				10.80										
	46														
	49														
V6-3DS-150X	27	8.30	10.70	13.50	16.70	20.20	24.00	28.20	32.50	37.50	42.50	44.50			
	32	7.55	9.85	12.45	15.40	18.60	22.10	25.90	30.00	34.50	39.00	40.50			
	38		8.75	11.10	13.70	16.60	19.70	23.00	26.60						
	43		7.85	10.00	12.30	14.85	17.60								
	46		7.30	9.30	11.50										
	49														
W9-3DS-150X	27	8.35	10.85	13.70	16.90	20.60	24.60	29.00	33.50	39.00	44.00	46.50			
	32	7.60	9.95	12.60	15.60	18.90	22.60	26.60	31.00	35.50	40.50	42.50			
	38		8.85	11.30	13.95	16.90	20.20	23.70	27.50	31.50					
	43		7.95	10.15	12.55	15.20	18.10	21.20							
	46		7.40	9.45	11.70	14.15									
	49			8.75											
Z9-4DA-200X	27		11.45	14.95	19.00	23.60	28.80	34.50	41.00	48.00	56.00	59.00			
	32		10.25	13.55	17.40	21.70	26.50	32.00	38.00	44.50	51.50	54.50			
	38			11.90	15.40	19.30	23.80	28.70	34.00	40.00	46.50	49.50			
	43			10.50	13.75	17.40	21.40	26.00	31.00	36.50					
	46			9.70	12.75	16.20	20.00	24.30							
	49			8.85	11.75	15.00									
V6-4DL-150X	27	11.25	14.40	17.90	21.80	26.10	30.50								
	32		13.05	16.30	19.90	23.90									
	38			14.45	17.70	21.30									
	43				15.90										
	46														
	49														
Z9-4DH-250X	27		14.25	18.50	23.40	28.90	35.00	42.00	49.50	57.50	66.00	70.00			
	32		12.80	16.80	21.40	26.50	32.50	38.50	45.50	53.00	61.00	64.50			
	38			14.80	19.00	23.70	28.90	34.50	41.00	48.00	55.00				
	43			13.10	17.00	21.30	26.10	31.50	37.00						
	46			12.10	15.80	19.90	24.40								
	49			11.10	14.60										
W9-4DT-220X	27	13.35	16.90	20.80	25.10	29.80	35.00								
	32		15.20	18.80	22.70	27.00									
	38			16.40	20.00	23.80									
	43				17.70										
	46														
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			Evaporating Temperature °C												
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
Z9-4DJ-300X	4	27		18.10	22.60	27.70	33.5	39.5	46.5	54.00	62.00	70.00	73.50		
		32			20.60	25.30	30.5	36.5	42.5	49.50	56.50	64.50			
		38			18.30	22.50	27.3	32.5	38	44.00	50.50				
		43			16.30	20.20	24.5	29.2	34						
		46			15.10	18.80	22.8								
		49		13.90											
W99-6DH-350X	4	27		22.80	28.70	35.50	43.00	51.00	60.00	70.00	80.00	91.00	96.00		
		32			26.30	32.50	39.50	47.00	55.50	64.00	74.00	84.00	88.00		
		38			23.30	29.00	35.50	42.00	49.50	57.50	66.00				
		43			20.80	26.10	32.00	38.00							
		46			19.30	24.30	29.70								
		49		17.80											
Z9-6DL-270X	4	27	17.30	21.90	27.20	33.00	39.50	46.50							
		32		19.80	24.70	30.00	36.00	42.50							
		38			21.80	26.60	32.00	38.00							
		43			19.40	23.80	28.70								
		46				22.10									
		49													
W99-6DJ-400X	4	27		26.40	33.00	40.50	48.50	57.50	67.00	77.50	88.00	99.50	104.0		
		32			30.00	37.00	44.50	53.00	61.50	71.00	81.00	91.00			
		38			26.60	33.00	39.50	47.00	55.00	63.00					
		43			23.70	29.40	35.50								
		46			21.90	27.40									
		49													
Z9-6DT-300X	4	27	20.00	25.40	31.50	38.00	45.50	53.00							
		32		23.10	28.60	34.50	41.50	48.50							
		38			25.40	31.00	37.00	43.50							
		43				27.70									
		46													
		49													



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