

R22 Discus

Semi-Hermetic Air-Cooled Condensing Units

KW (60Hz)

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
R7-2DC-500-EWK R7-2DC-50X-EWK	27					4.95	6.50	8.30	10.35	12.65	15.20	18.00	19.20	21.10	22.80
	32					4.45	5.95	7.70	9.65	11.85	14.30	17.00	18.10	19.90	21.50
	38						5.30	6.90	8.75	10.85	13.15	15.70	16.80	18.50	20.00
	43						4.70	6.30	8.05	10.05	12.25	14.65	15.70	17.30	18.70
	46							5.90	7.65	9.55	11.70	14.00	15.00		
	49							5.55	7.20	9.05	11.15				
R7-2DL-400 DC-EWK	27	2.25	3.30	4.55	6.15	7.95	10.10	12.45	14.95						
	32	1.98	2.95	4.15	5.65	7.40	9.40	11.65	14.05						
	38	1.66	2.55	3.70	5.10	6.70	8.60	10.65	12.90						
	43	1.38	2.20	3.25	4.60	6.15	7.90	9.85							
	46		1.99	3.00	4.30	5.80	7.50								
	49		1.78	2.76	4.00	5.45									
S9-2DL-750-EWK S9-2DL-75X-EWK	27					7.30	9.45	11.95	14.75	17.90	21.40	25.20	26.80	29.40	31.50
	32					6.70	8.75	11.15	13.85	16.90	20.20	23.80	25.40	27.80	29.90
	38						8.00	10.25	12.80	15.70	18.80	22.20	23.70	26.00	27.90
	43						7.35	9.50	11.95	14.70	17.70	20.90	22.30		
	46							9.10	11.45	14.10	17.00				
	49							8.70	11.00	13.55					
R7-2DB-500 DC-EWK	27	2.70	3.85	5.35	7.10	9.10	11.35	13.85	16.60						
	32	2.41	3.50	4.90	6.60	8.50	10.65	13.05	15.60						
	38	2.04	3.05	4.40	5.95	7.80	9.85	12.05	14.45						
	43	1.71	2.67	3.90	5.45	7.20	9.15								
	46		2.43	3.65	5.10	6.80									
	49		2.17	3.35	4.75										
V9-2DB-750-EWK V9-2DB-75X-EWK	27					9.50	11.95	14.80	18.00	21.50	25.50	29.80	31.50	34.50	37.00
	32					8.85	11.20	13.90	17.00	20.30	24.10	28.20	30.00	32.50	35.00
	38						10.30	12.85	15.70	18.90	22.50	26.30		30.50	32.50
	43							12.00	14.75	17.80	21.10	24.70	26.20	28.60	
	46							11.50	14.15	17.10	20.30	23.80			
	49							11.00	13.55	16.40					
S9-3DA-500 DC-EWK	27	3.35	4.60	6.15	8.00	10.15	12.70								
	32	2.95	4.15	5.65	7.35	9.45	11.85								
	38	2.49	3.60	5.00	6.65	8.55	10.85								
	43	2.11	3.20	4.50	6.00	7.85	10.00								
	46		2.90	4.15	5.65	7.45	9.50								
	49		2.66	3.85	5.30	7.00									
V6-3DA-750-EWK V6-3DA-75X-EWK	27					10.70	13.75	17.20	21.10	25.50	30.50	35.50	38.00	41.50	44.50
	32					9.90	12.80	16.10	19.80	24.00	28.60	33.50	36.00	39.00	42.00
	38						11.70	14.80	18.30	22.20	26.60	31.50	33.50	36.50	39.00
	43						10.80	13.75	17.10	20.80	24.90	29.30	31.00	34.00	36.50
	46							13.20	16.40	20.00	23.90	28.20	30.00		
	49							12.60	15.70	19.20	23.00				



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Middle East Africa Office : Jebel Ali Free Zone, P.O Box 26382, Dubai- U.A.E.
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KW (60Hz)

			Amb. Temp. °C	Cooling Capacity at 20°C suction return temperature												
				Evaporating Temperature °C												
No. of Fans			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
S9-3DC-750 DC-EWK	2	27	3.95	5.50	7.35	9.50	11.90	14.60								
		32	3.50	5.00	6.75	8.75	11.10	13.70								
		38	3.00	4.40	6.00	7.95	10.10	12.55								
		43	2.58	3.90	5.45	7.25	9.35	11.65								
		46		3.60	5.10	6.85	8.85									
		49		3.30	4.75	6.45										
W9-3DC-1000-EWK W9-3DC-100X-EWK	2	27					13.05	16.60	20.70	25.30	30.50	36.00	42.50	45.00	49.50	53.00
		32					12.10	15.50	19.40	23.70	28.60	34.00	40.00	42.50	46.50	50.00
		38						14.20	17.80	21.90	26.50	31.50	37.00	39.50	43.00	46.50
		43						13.15	16.60	20.50	24.80	29.60	35.00	37.00	40.50	43.50
		46							15.90	19.70	23.80	28.40	33.50	35.50	39.00	
		49							15.20	18.80	22.80	27.30				
V6-3DS-1000 DC-EWK	2	27	5.60	7.65	10.20	13.25	17.00	21.60								
		32	5.00	6.95	9.30	12.20	15.70	20.10								
		38	4.35	6.10	8.30	11.00	14.30	18.30								
		43	3.80	5.45	7.50	10.05	13.15	17.00								
		46		5.10	7.05	9.50	12.50	16.20								
		49		4.75	6.60	8.95										
W9-3DS-1500-EWK W9-3DS-150X-EWK	2	27					17.60	21.90	26.80	32.50	38.50	45.00	52.50	55.50	60.50	64.50
		32					16.50	20.60	25.30	30.50	36.50	42.50	49.50	52.50	57.00	61.00
		38						19.10	23.50	28.40	34.00	39.50	46.00	49.00	53.00	56.50
		43							22.00	26.60	31.50	37.50	43.50			
		46							21.20	25.60	30.50	36.00				
		49							20.30	24.60						
Z9-3DS-1500-EWK Z9-3DS-150X-EWK	4	27					18.20	22.80	28.10	34.00	41.00	48.50	57.00	60.50	66.50	71.50
		32					17.10	21.50	26.50	32.50	38.50	46.00	54.00	57.50	62.50	67.50
		38						19.90	24.70	30.00	36.00	43.00	50.50	53.50	58.50	63.00
		43						18.70	23.10	28.20	34.00	40.50	47.50	50.50	55.00	59.00
		46							22.30	27.20	32.50	39.00	45.50	48.50	53.00	57.00
		49							21.40	26.10	31.50	37.50	44.00	46.50		
Z9-4DA-2000-EWK Z9-4DA-200X-EWK	4	27					20.70	25.90	32.00	38.50	46.00	54.50	64.00	68.00	74.50	80.00
		32					19.30	24.20	29.90	36.50	43.50	51.50	60.50	64.50	70.50	75.50
		38						22.30	27.60	33.50	40.50	48.00	56.50	60.00	65.50	70.50
		43						20.60	25.70	31.50	38.00	45.00	53.00	56.00	61.50	66.00
		46							24.50	30.00	36.50	43.00	51.00	54.00	59.00	63.50
		49							23.40	28.70	34.50	41.50	48.50			
Z9-4DL-1500 DC-EWK	4	27	9.20	12.35	16.10	20.50	25.60	31.50								
		32	8.35	11.40	14.95	19.20	24.10	29.70								
		38	7.25	10.15	13.55	17.60	22.20	27.50								
		43	6.30	9.05	12.30	16.10	20.60	25.60								
		46		8.35	11.55	15.20	19.60	24.50								
		49		7.65	10.75	14.35	18.50									



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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
Z9-4DH-2500-EWK Z9-4DH-250X-EWK	4	27					26.00	32.00	39.50	47.50	56.00	66.00	77.00	81.50	88.50	95.00
		32					24.30	30.50	37.00	44.50	53.00	62.50	73.00	77.00	84.00	90.00
		38						28.00	34.50	41.50	49.50	58.00	68.00	72.00	78.00	83.50
		43							32.00	39.00	46.50	54.50	63.50	67.50	73.00	
		46							30.50	37.00	44.50	52.50				
		49						29.40	35.50	42.50						
W99-4DH-2500--EWK* W99-4DH-250X-EWK*	4	27					26.40	33.00	40.00	48.50	58.00	68.50	80.00	85.00	93.00	99.50
		32					24.80	31.00	38.00	46.00	55.00	65.00	76.00	80.50	88.00	94.50
		38						28.60	35.00	42.50	51.00	60.50	70.50	75.00	82.00	88.00
		43						26.70	33.00	40.00	48.00	56.50	66.50	70.50	77.00	82.50
		46							31.50	38.50	46.00	54.50	64.00	68.00	74.00	
		49						30.00	37.00	44.00	52.50					
Z9-4DL-1500 DC-EWK	4	27	9.20	12.35	16.10	20.50	25.60	31.50								
		32	8.35	11.40	14.95	19.20	24.10	29.70								
		38	7.25	10.15	13.55	17.60	22.20	27.50								
		43	6.30	9.05	12.30	16.10	20.60	25.60								
		46		8.35	12.30	15.20	19.60	24.50								
		49		7.65	10.75	14.35	18.50									
W99-6DH-3500-EWK* W99-6DH-350X-EWK*	4	27					38.00	47.00	57.50	69.00	81.50	95.50	110.50	117.00	126.50	135.00
		32						44.00	54.00	65.00	77.00	90.00	104.50	110.00	119.50	127.50
		38						40.50	50.00	60.00	71.50	83.50	96.50	102.50	111.00	118.00
		43							46.50	56.00	66.50	78.00				
		46							44.50	53.50	64.00					
		49						42.50	51.00							
Z9-6DL-2700 DC-EWK	4	27	10.30	14.85	20.20	26.10	32.50	39.50								
		32	9.15	13.50	18.60	24.30	30.50	37.00								
		38	7.65	11.85	16.70	22.20	28.10	34.50								
		43	6.45	10.45	15.10	20.40	26.10	32.00								
		46		9.60	14.15	19.30	24.80	30.50								
		49		8.70	13.20	18.20										
W99-6DJ-4000* W99-6DJ-400X*	4	27					43.50	53.50	65.00	78.00	92.00	107.00	123.00	130.00	140.00	149.00
		32						50.00	61.00	73.00	86.00	100.50	115.50	122.00	131.50	139.50
		38						45.50	56.00	67.00	79.50	92.50	106.50			
		43							51.50	62.00	73.50					
		46							49.00	59.50						
		49														
Z9-6DT-3000 DC-EWK	4	27	14.55	19.40	24.90	31.00	38.50	46.50								
		32	13.10	17.70	23.00	29.10	36.00	44.00								
		38	11.25	15.70	20.70	26.50	33.00	40.50								
		43	9.70	14.00	18.90	24.40	30.50	37.50								
		46		13.00	17.70	23.10	29.20									
		49		12.00	16.60											

* Delivered separately into two main parts



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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
W99-6DT-3000 DC*	4	27	14.80	19.70	25.40	32.00	39.50	48.00								
		32	13.30	18.00	23.50	29.80	37.00	45.00								
		38	11.45	16.00	21.20	27.10	34.00	42.00								
		43	9.85	14.30	19.30	25.00	31.50	39.00								
		46		13.25	18.10	23.70	30.00	37.00								
		49		12.20	17.00	22.40										
Z9-6DT-3000 DC*	4	27	14.55	19.40	24.90	31.00	38.50	46.50								
		32	13.10	17.70	23.00	29.10	36.00	44.00								
		38	11.25	15.70	20.70	26.50	33.00	40.50								
		43	9.70	14.00	18.90	24.40	30.50	37.50								
		46		13.00	17.70	23.10	29.20									
		49		12.00	16.60											

*Delivered separately into two main parts

Standard Equipment

- Compressor
- Consenser
 - copper tubes with aluminium fins.
- Receiver
 - with CE and UDT approval
 - sight glass with receivers from 11.5 l onwards
 - equipped with Rotalock valve and pressure relief valve connection.
- Fan motors
 - thermally protected, single phase fans
 - run capacitor mounted and wired into terminal box
 - applicable for fan speed control
 - maintenance free
- High /Low pressure switch with automatic reset.
- Differential Oil pressure switch (OPS1) for models of 4.5 HP and above
- Electrical box
- Protection (class)
 - compressor, fan and differential oil-pressure switch IP 54
 - high/Low pressure switch IP44

All Condensing units will be supplied with a holding charge

Semi-hermetic Condensing Unit Model Designation

V6	3DS	1000 DC	EWK	000
1	2	3	4	5
				Service number
			Motor version EWK = 380-420/3/60hz	
		Motor size X = Ester oil 0 = Mineral oil DC = Demand Cooling		
	Compressor type			
Condenser type				



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