

LOW NOISE CONDENSING UNIT WITH SINGLE SCROLL COMPRESSOR

R449A (XP40)

Model	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
		5	0	-5	-10	-15	-20
HUMS-ZB15-145X-T	32	5.685	4.840	4.085	3.355	2.760	2.210
	38	5.205	4.440	3.680	3.020	2.485	
	43	4.710	4.020	3.325	2.720		
HUMS-ZB19-150X-T	32	6.600	5.620	4.750	3.920	3.200	2.615
	38	6.080	5.185	4.385	3.615	2.955	
	43	5.720	4.805	4.065	3.355		
HUMS-ZB21-150X-T	32	8.020	6.960	5.890	4.880	4.040	3.340
	38	7.405	6.345	5.390	4.540	3.710	
	43	6.900	5.820	4.955	4.180		
HUMS-ZB26-150X-T	32	9.510	8.110	6.850	5.740	4.750	3.880
	38	8.850	7.550	6.390	5.280	4.370	
	43	8.160	6.975	5.910	4.880		
HUMS-ZB29-150X-T	32	10.230	8.900	7.560	6.370	5.320	
	38	9.535	8.180	6.980	5.900	4.860	
	43	9.100	7.580	6.475	5.570		
HUMS-ZB38-245X-T	32	13.900	11.840	10.060	8.460	7.010	5.650
	38	12.750	10.860	9.215	7.730	6.375	
	43	11.950	10.220	8.535	7.150		
HUMS-ZB45-250X-T	32	16.030	13.880	11.780	9.910	8.080	6.620
	38	14.920	12.740	10.780	9.060	7.345	
	43	14.000	11.790	9.995	8.370		
HUMS-ZB48-250X-T	32	18.960	16.160	13.700	11.540	9.430	7.600
	38	17.400	14.840	12.570	10.560	8.575	
	43	16.360	13.960	11.670	9.770		
HUMS-ZB57-250X-T	32	25.240	18.700	15.930	13.430	11.000	8.780
	38	24.220	20.270	14.750	12.430	10.160	
	43	22.920	16.350	13.950	11.630		
HUMS-ZB66-350X-T	32	27.160	23.020	19.300	15.950	13.010	
	38	25.180	21.300	17.780	14.650	11.850	
	43	23.420	19.740	16.700	13.730		
HUMS-ZB76-450X-T	32	32.340	27.300	22.940	18.990	15.500	
	38	30.140	25.480	21.300	17.550	14.210	
	43	28.240	24.200	20.140	16.220		

N° fans	Dimensions (mm)			Noise Level dB/A(1)	Piping		Receiver (l)	Weight (Kg)	Max abs. Curr. 400/3/50
	A	B	H		liquid	Suct.			
1 X 450	1100	530	590	36	12	18	4,2	90	5,5
1 X 500	1100	580	590	38	12	22	4,2	90	7,5
1 X 500	1100	580	590	38	12	22	4,2	95	8,2
1 X 500	1100	530	860	39	12	22	6,6	110	9,9
1 X 500	1100	530	860	39	12	22	6,6	110	11
2 X 450	1005	530	1140	40	14	22	10,0	150	13,9
2 X 500	1005	580	1140	41	14	22	10,0	150	15,1
2 X 500	1250	770	1710	41	16	28	19,0	185	16
2 X 500	1450	1020	1210	42	18	35	19,0	215	17,9
3 X 500	1450	1020	1760	43	18	35	19,0	260	20,5
4 X 500	1995	1020	1210	45	22	35	24,5	320	24,3

Suction Gas Return :20°C ; Usefull Superheat:100% ; Subcooling:0K

LOW NOISE CONDENSING UNIT DOUBLE SCROLL COMPRESSORS

R449A (XP40)

Model	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
		5	0	-5	-10	-15	-20
HUMS-2XZB15-245X-T	32	11.365	9.680	8.165	6.705	5.520	4.415
	38	10.410	8.880	7.360	6.035	4.965	
	43	9.415	8.040	6.645	5.440		
HUMS-2XZB19-245X-T	32	12.855	10.955	9.260	7.740	6.320	5.160
	38	11.800	10.065	8.515	7.125	5.820	
	43	11.080	9.450	7.875	6.605		
HUMS-2XZB21-250X-T	32	16.040	13.915	11.780	9.760	8.080	6.680
	38	14.810	12.690	10.780	9.080	7.415	
	43	13.800	11.635	9.910	8.360		
HUMS-2XZB26-250X-T	32	19.280	16.430	13.880	11.475	9.495	7.760
	38	17.700	15.100	12.775	10.560	8.740	
	43	16.320	13.945	11.820	9.920		
HUMS-2XZB29-250X-T	32	20.730	17.795	15.120	12.740	10.640	
	38	19.065	16.360	13.955	11.800	9.855	
	43	18.200	15.160	12.950	11.140		
HUMS-2XZB38-250X-T	32	28.180	24.020	20.400	17.160	14.020	11.300
	38	26.280	22.360	18.705	15.705	12.745	
	43	24.300	20.760	17.600	14.535		
HUMS-2XZB45-250X-T	32	32.060	27.380	23.220	19.540	16.160	
	38	29.380	25.100	21.240	17.845	14.685	
	43	28.000	23.580	19.985	16.740		
HUMS-2XZB48-350X-T	32	38.960	33.200	27.780	23.420	19.140	15.455
	38	35.840	30.560	25.880	21.440	17.435	
	43	33.760	28.360	24.060	19.855		
HUMS-2XZB57-450X-T	32	50.480	37.400	31.860	26.860	22.000	17.560
	38	48.440	40.540	29.500	24.860	20.320	
	43	45.840	32.700	27.900	23.260		
HUMS-2XZB66-650X-T	32	54.320	46.040	38.600	31.900	26.020	
	38	50.360	42.600	35.560	29.300	23.700	
	43	46.840	39.480	33.400	27.460		
HUMS-2XZB76-650X-T	32	62.520	53.400	44.840	37.100	30.200	
	38	58.000	49.680	41.440	34.060	27.960	
	43	54.960	46.240	38.420	31.900		

N° fans	Dimensions (mm)			Noise Level dB/A(1)	Piping		Receiver (l)	Weight (Kg)	Max abs. Curr. 400/3/50
	A	B	H		liquid	Suct.			
2 X 450	1250	770	1210	39	14	28	10	160	10,9
2 X 450	1250	770	1210	39	14	28	10	160	14,1
2 X 500	1250	820	1210	40	14	28	10	165	16,4
2 X 500	1250	770	1710	41	16	28	19	205	19,7
2 X 500	1250	770	1710	41	16	28	19	205	22,0
2 X 500	1450	1020	1210	41	18	28	19	250	27,6
2 X 500	1450	1020	1210	41	18	28	19	255	28,2
3 X 500	1450	1020	1760	43	18	35	19	275	31
4 X 500	1995	1020	1210	45	22	35	24,5	335	35,7
6 X 500	1995	1020	1760	47	28	42	35	430	40,9
6 X 500	1995	1020	1760	47	28	42	35	435	46,7

Suction Gas Return :20°C ; Usefull Superheat:100% ; Subcooling:0K

LOW NOISE CONDENSING UNIT WITH THREE SCROLL COMPRESSORS

R449A (XP40)

Model	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
		5	0	-5	-10	-15	-20
HUMS-3XZB15-345Z-T	32	17.610	14.990	12.445	10.380	8.420	6.730
	38	16.200	13.560	11.445	9.400	7.590	
	43	14.730	12.565	10.400	8.520	6.870	
HUMS-3XZB19-345Z-T	32	19.795	16.860	14.240	11.760	9.720	7.845
	38	18.495	15.555	13.150	10.845	8.990	
	43	17.160	14.640	12.195	10.065		
HUMS-3XZB21-345X-T	32	25.130	21.460	18.150	15.220	12.440	10.020
	38	23.325	19.970	16.680	14.030	11.455	
	43	21.460	18.405	15.390	12.975		
HUMS-3XZB26-345X-T	32	28.530	24.320	20.545	17.210	14.240	11.640
	38	26.550	22.645	18.880	15.840	13.105	
	43	24.480	20.920	17.730	14.640		
HUMS-3XZB29-445X-T	32	31.500	27.040	22.965	19.345	16.150	13.290
	38	29.460	25.260	21.225	17.940	14.980	
	43	27.300	23.460	20.035	16.710		
HUMS-3XZB38-450X-T	32	44.550	38.010	31.860	26.820	21.975	17.515
	38	41.130	35.010	29.325	24.655	20.070	
	43	38.850	32.580	27.645	22.845	18.480	
HUMS-3XZB45-450X-T	32	50.820	43.350	36.810	30.535	25.350	20.190
	38	47.430	39.930	33.810	28.035	23.125	
	43	44.070	37.650	31.380	25.940	21.660	
HUMS-3XZB48-450X-T	32	56.880	48.480	41.100	34.620	28.280	22.800
	38	52.980	45.180	37.710	31.680	25.725	
	43	49.080	41.880	35.550	29.305		
HUMS-3XZB57-650X-T	32	75.720	56.100	47.790	40.290	33.000	26.340
	38	72.660	60.810	44.250	37.290	30.480	
	43	68.760	49.050	41.850	34.890		
HUMS-3XZB66-650X-T	32	76.560	65.700	54.900	45.930	37.350	
	38	70.260	60.210	50.910	41.880		
	43	65.700	55.230	46.740	38.700		
HUMS-3XZB76-650X-T	32	88.140	75.480	63.900	53.400	43.320	
	38	81.300	69.360	58.590	48.660		
	43	76.020	64.920	53.670	44.970		

N° fans	Dimensions (mm)			Noise Level dB/A(1)	Piping		Receiver (l)	Weight (Kg)	Max abs. Curr. 400/3/50
	A	B	H		liquid	Suct.			
3 X 450	1450	1020	1760	40	16	28	19	256,2	16,23
3 X 450	1450	1020	1760	40	16	28	19	261,6	21,03
3 X 450	1450	1020	1760	41	18	28	19	270	23,2
3 X 450	1450	1020	1760	41	18	35	19	265	28,1
4 X 450	1995	1020	1210	41	18	35	19	305	32,1
4 X 500	1995	1020	1210	44	22	35	24,5	370	42,3
4 X 500	1995	1020	1210	44	22	42	24,5	375	43,2
4 X 500	1995	1020	1210	45	28	42	24,5	375	45,9
6 X 500	2320	1020	1760	47	28	54	35	460	53,6
6 X 500	2320	1020	1760	47	28	54	35	520	58,4
6 X 500	2320	1020	1760	47	28	54	35	525	67,1

Suction Gas Return :20°C ; Usefull Superheat:100% ; Subcooling:0K

LOW NOISE CONDENSING UNIT WITH DIGITAL SCROLL COMPRESSOR

R449A (XP40)

	Model	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					N° fans	Dimensions (mm)			Noise Level dB/A(1)	Piping		Receiver (l)	Weight (Kg)	Max abs. Curr. 400/3/50																																																			
			5	0	-5	-10	-15		-20	A	B		H	liquid				Suct.																																																		
SINGLE	HUMSD-ZB21-150X-T	32	8.125	6.955	5.905	4.970	4.120	3.410	1 X 500	1100	580	590	38	12	22	4,2	95	7,7																																																		
		38	7.410	6.470	5.510	4.640	3.805																																																													
		43	7.040	5.955	5.090	4.300																																																														
	HUMSD-ZB29-150X-T	32	10.325	9.060	7.765	6.600	5.550	1 X 500											1100	530	860	39	12	22	6,6	115	8,9																																									
		38	9.480	8.210	7.070	6.035	5.105																																																													
		43	8.950	7.630	6.590	5.650																																																														
	HUMSD-ZB38-245X-T	32	14.000	12.120	10.270	8.610	7.120																					5.780	2 X 450	1005	530	1140	40	14	22	10	150	12,4																														
		38	13.000	11.160	9.460	7.940	6.555																																																													
		43	12.200	10.280	8.750	7.350																																																														
	HUMSD-ZB45-250X-T	32	16.370	14.030	12.040	10.100	8.240																					6.770											2 X 500	1005	580	1140	41	14	22	10	150	14,3																				
		38	15.220	13.050	11.080	9.310	7.685																																																													
		43	14.300	12.050	10.260	8.610																																																														
	HUMSD-ZB57-250X-T	32	22.600	19.340	16.190	13.650	11.220																					9.140																					2 X 500	1450	1020	1210	42	18	35	19	220	17,9										
		38	21.030	17.980	15.080	12.740	10.500																																																													
		43	19.950	16.830	14.320	11.940	9.850																																																													
	HUMSD-ZB76-350X-T	32	31.760	26.840	22.720	18.800	15.310																																																				3 X 500	1450	1020	1760	43	22	35	19	260	23,4
		38	29.500	25.180	21.000	17.320	13.950																																																													
		43	27.500	23.420	19.460																																																															
DOUBLE	HUMSD-2XZB21-250X-T	32	16.140	13.815	11.870	9.850	8.160		6.750	2 X 500	1250	820	1210	40	14	28	10	170										15,4																																								
		38	14.935	12.815	10.895	9.180	7.510																																																													
		43	13.940	11.770	10.045	8.480																																																														
	HUMSD-2XZB29-250X-T	32	20.850	17.955	15.320	12.970	10.870	2 X 500	1250										770	1710	41	16	28	19	215	17,8																																										
		38	19.010	16.390	14.045	11.935	10.030																																																													
		43	18.050	15.330	13.165	11.220																																																														
	HUMSD-2XZB38-250X-T	32	28.470	24.290	20.600	17.300	14.125																				11.430		2 X 500	1450	1020	1210	41	18	28	19	250	24,6																														
		38	26.150	22.340	18.955	15.905	13.130																																																													
		43	24.550	21.020	17.560	14.735																																																														
	HUMSD-2XZB45-250X-T	32	31.950	27.720	23.490	19.740	16.315																				13.390												2 X 500	1450	1020	1210	41	18	28	19	255	26,6																				
		38	29.680	25.400	21.540	18.095	14.915																																																													
		43	28.300	23.840	20.250	16.980																																																														
	HUMSD-2XZB57-450X-T	32	48.120	40.670	32.310	26.930	22.100																				18.050																						4 X 500	1995	1020	1210	45	22	35	24,5	345	35,7										
		38	44.460	35.300	30.030	25.010	20.800																																																													
		43	38.960	33.420	28.080	23.730	19.450																																																													
	HUMSD-2XZB76-650X-T	32	63.020	53.860	45.140	37.350	30.410																																																				6 X 500	1995	1020	1760	47	28	42	35	435	46,7
		38	58.500	50.020	41.720	34.350	27.700																																																													
		43	55.380	46.540	38.670	32.150																																																														

Suction Gas Return :20°C ; Usefull Superheat:100% ; Subcooling:0K

LOW NOISE CONDENSING UNIT WITH DIGITAL SCROLL COMPRESSOR

R449A (XP40)

	Model	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
			5	0	-5	-10	-15	-20
			TRIPLE	HUMSD-3XZB21-350X-T	32	25.220	21.540	18.240
38	23.435	20.075			16.790	14.125	11.550	
43	21.590	18.535			15.520	13.085		
HUMSD-3XZB29-445X-T	32	31.650		27.220	23.185	19.590	16.390	13.530
	38	29.470		25.335	21.335	18.090	15.165	
	43	27.150		23.415	20.065	16.790		
HUMSD-3XZB38-450X-T	32	44.800		38.240	32.030	26.920	22.035	17.605
	38	41.420		35.300	29.555	24.825	20.220	
	43	39.100		32.880	27.890	23.050	18.680	
HUMSD-3XZB45-450X-T	32	51.140	43.650	37.040	30.705	25.460	20.320	
	38	47.090	40.270	34.100	28.265	23.325		
	43	44.370	37.950	31.680	26.185	21.900		
HUMSD-3XZB57-650X-T	32	73.640	62.180	47.870	40.360	33.100	26.600	
	38	61.640	52.850	44.980	37.440	30.690		
	43	57.370	49.300	42.030	35.040	29.050		
HUMSD-3XZB76-650X-T	32	88.640	75.840	64.200	53.680	43.520		
	38	81.700	69.660	58.840	48.920			
	43	76.420	64.080	53.920	40.660			

N° fans	Dimensions (mm)			Noise Level dB/A(1)	Piping		Receiver (l)	Weight (Kg)	Max abs. Curr. 400/3/50
	A	B	H		liquid	Suct.			
3 X 500	1450	1020	1760	41	18	28	19	275	23,1
4 X 450	1995	1020	1210	41	18	28	19	315	25,8
4 X 500	1995	1020	1210	44	22	35	24,5	370	37,8
4 X 500	1995	1020	1210	44	28	35	24,5	375	40,8
6 X 500	2320	1020	1760	47	28	42	35	470	53,6
6 X 500	2320	1020	1760	47	28	42	35	530	67,1

Suction Gas Return :20°C ; Usefull Superheat:100% ; Subcooling:0K