

TROPICALIZED LOW NOISE CONDENSING UNIT WITH DIGITAL SCROLL COMPRESSOR

R449A (XP40)

SINGLE	Model	IR Code	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
				5	0	-5	-10	-15	-20
	HUMSD-ZB21-150X-T	USZ.150	32	8.125	6.955	5.905	4.970	4.120	3.410
			38	7.410	6.470	5.510	4.640	3.805	
			43	7.040	5.955	5.090	4.300		
	HUMSD-ZB29-150X-T	USJ.150	32	10.325	9.060	7.765	6.600	5.550	
			38	9.480	8.210	7.070	6.035	5.105	
			43	8.950	7.630	6.590	5.650		
	HUMSD-ZB38-245X-T	USF.245	32	14.000	12.120	10.270	8.610	7.120	5.780
			38	13.000	11.160	9.460	7.940	6.555	
			43	12.200	10.280	8.750	7.350		
	HUMSD-ZB45-250X-T	USF.250	32	16.370	14.030	12.040	10.100	8.240	6.770
			38	15.220	13.050	11.080	9.310	7.685	
			43	14.300	12.050	10.260	8.610		
	HUMSD-ZB57-350X-T	USK.350	32	22.080	18.900	16.010	13.350	11.100	9.040
			38	20.490	17.520	14.890	12.420	10.370	
			43	19.370	16.360	13.940	11.780	9.850	
	HUMSD-ZB76-350X-T	USE.350	32	31.760	26.840	22.720	18.800	15.310	
			38	29.500	25.180	21.000	17.320	13.950	
			43	27.500	23.420	19.460			

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

Standard equipment:

- Powder coated steel case with acoustically lined casework (RAL 7035 orange peel finish)
- Single Digital Scroll Copeland compressor with:
 - Suction valve
 - Crankcase heater
 - Discharge valve
- Condenser coil, in copper tube and aluminum fins
- EBM axial fan with six poles and external rotor motor
- Liquid Receiver with Rotalock valve and safety relief valve
- Liquid line with filter drier, sight glass with moisture indicator and maintenance valve
- Suction line
- Control Panel with
 - Compressor and fans protection
 - Emerson/Dixell Electronic Control
- Low Pressure Transducer
- Dual pressure switch PED with automatic reset
- Electronic fan speed control based on condenser pressure
- Brazed connection to liquid and suction line
- Nitrogen-pressurized condensing unit

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 500	1100	580	590	38	12	22	4,2	95	7,7
1 X 500	1100	530	860	39	12	22	6,6	115	8,9
2 X 450	1005	530	1140	40	14	22	10	150	12,4
2 X 500	1005	580	1140	41	14	22	10	150	14,3
3 X 500	1250	770	1710	43	18	35	19	195	18,9
3 X 500	1450	1020	1760	43	22	35	19	260	23,4

Accessories:

- External Instruments
- Oil Separator
- EC Fans
- Coil with special treatment
- Dual pressure switch PED with manual reset
- Soundproof jackets for scompressor
- Pakage
- HP/LP Gauges



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				5	0	-5	-10	-15		A	B	H		liquid	Suct.			
DOUBLE	HUMSD-2XZB21-250X-T	USL.250	32	16.140	13.815	11.870	9.850	8.160	2	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	USK.250	32	20.850	17.955	15.320	12.970	10.870	2	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-2XZB38-350X-T	USK.350	32	27.320	23.630	20.055	16.840	13.930	3	1250	770	1710	42	18	28	19	230	25,6
			38	25.350	21.700	18.400	15.440	12.725										
			43	24.150	20.000	17.000	14.500											
	HUMSD-2XZB45-250X-T	USE.250	32	31.950	27.720	23.490	19.740	16.315	2	1450	1020	1210	41	18	35	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	USE.450	32	48.120	40.670	32.310	26.930	22.100	4	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	USE.650	32	63.020	53.860	45.140	37.350	30.410	6	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

Standard equipment:

- Self-supporting metal sheet casing varnished with epoxy powder (RAL 7035)
- Easy to open side panels for internal inspection
- Two Copeland Scroll Compressors in tandem connection each equipped with :
 - Rotalock valve on suction and discharge side
 - Crankcase heaters
 - HP pressure switch manual reset (IV PED)
 - Rotalock valve on suction and discharge side
 - Rotalock valve on oil side
- Curved condenser made of copper tube and aluminum fins
- EBM axial fan with six poles and external rotor motor
- Condenser fan speed variator
- Oil separator
- Standard Oil management system
- Liquid receiver with outlet shut-off valve and pressure relief valve
- Liquid line with drier filter, sight-glass and valve
- Dual pressure switch with automatic reset
- Built-in Electrical control panel with
 - Compressor and fans protection
 - Emerson/Dixell Electronic Control
 - Backup System
- LP transducer
- Nitrogen-pressurized
- Liquid and suction connections to be welded



Accessories:

- External Instruments
- Electronic Oil Managment
- EC Fans
- Desupeheater
- Coil with special treatment
- Dual pressure switch PED with manual reset
- Soundproof jackets for scroll Copeland compressors
- HP / LP Gauges
- Package

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	Model	IR Code	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.			
TRIPLE	HUMSD-3XZB21-350X-T	USKL.350	32	24.520	21.250	18.000	14.920	12.355	10.090	3 X 500	1500	808	1710	39	18	28	19	265	23,1
			38	22.710	19.465	16.540	13.925	11.385											
			43	20.840	17.905	15.260	12.875												
	HUMSD-3XZB29-445X-T	UST.445	32	31.650	27.220	23.185	19.590	16.390	13.530	4 X 450	1995	1020	1210	41	18	28	19	315	25,8
			38	29.470	25.335	21.335	18.090	15.165											
			43	27.150	23.415	20.065	16.790												
	HUMSD-3XZB38-450X-T	USE.450	32	44.800	38.240	32.030	26.920	22.035	17.605	4 X 500	1995	1020	1210	44	22	35	24,5	370	37,8
			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	USE.450	32	51.140	43.650	37.040	30.705	25.460	20.320	4 X 500	1995	1020	1210	44	28	35	24,5	375	40,8
			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	USE.650	32	73.640	62.180	47.870	40.360	33.100	26.600	6 X 500	2320	1020	1760	47	28	42	35	470	53,6
			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	USE.650	32	88.640	75.840	64.200	53.680	43.520		6 X 500	2320	1020	1760	47	28	42	35	530	67,1
			38	81.700	69.660	58.840	48.920												
			43	76.420	64.080	53.920	40.660												

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

Standard equipment:

- Self-supporting metal sheet casing varnished with epoxy powder (RAL 7035)
- Easy to open side panels for internal inspection
- Copeland Scroll Compressors each equipped with :
 - Rotalock valve on suction and discharge side
 - Crankcase heaters
 - HP pressure switch manual reset (IV PED)
 - Rotalock valve on suction and discharge side
 - Electronic Oil Control (Traxoil)
- Curved condenser made of copper tube and aluminum fins
- EBM axial fan with six poles and external rotor motor
- Condenser fan speed variator
- Oil separator with reservoir and oil charge
- Electronic Oil management system
- Liquid receiver with outlet shut-off valve and pressure relief valve
- Liquid line with drier filter, sight-glass and valve
- Dual pressure switch with automatic reset
- Built-in Electrical control panel with
 - Compressor and fans protection
 - Emerson/Dixell Electronic Control
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