

TROPICALIZED LOW NOISE CONDENSING UNIT WITH SINGLE SCROLL COMPRESSOR

R449A (XP40)

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.			
HUMS-ZB15-145X-T	USZ.145	32	5.685	4.840	4.085	3.355	2.760	2.210	1 X 450	1100	530	590	36	12	18	4,2	90	5,5
		38	5.205	4.440	3.680	3.020	2.485											
		43	4.710	4.020	3.325	2.720												
HUMS-ZB19-150X-T	USZ.150	32	6.600	5.620	4.750	3.920	3.200	2.615	1 X 500	1100	580	590	38	12	22	4,2	90	7,5
		38	6.080	5.185	4.385	3.615	2.955											
		43	5.720	4.805	4.065	3.355												
HUMS-ZB21-150X-T	USZ.150	32	8.020	6.960	5.890	4.880	4.040	3.340	1 X 500	1100	580	590	38	12	22	4,2	95	8,2
		38	7.405	6.345	5.390	4.540	3.710											
		43	6.900	5.820	4.955	4.180												
HUMS-ZB26-150X-T	USJ.150	32	9.510	8.110	6.850	5.740	4.750	3.880	1 X 500	1100	530	860	39	12	22	6,6	110	9,9
		38	8.850	7.550	6.390	5.280	4.370											
		43	8.160	6.975	5.910	4.880												
HUMS-ZB29-150X-T	USJ.150	32	10.230	8.900	7.560	6.370	5.320		1 X 500	1100	530	860	39	12	22	6,6	110	11
		38	9.535	8.180	6.980	5.900	4.860											
		43	9.100	7.580	6.475	5.570												
HUMS-ZB38-245X-T	USF.245	32	13.900	11.840	10.060	8.460	7.010	5.650	2 X 450	1005	530	1140	40	14	22	10,0	150	13,9
		38	12.750	10.860	9.215	7.730	6.375											
		43	11.950	10.220	8.535	7.150												
HUMS-ZB45-250X-T	USF.250	32	16.030	13.880	11.780	9.910	8.080	6.620	2 X 500	1005	580	1140	41	14	22	10,0	150	15,1
		38	14.920	12.740	10.780	9.060	7.345											
		43	14.000	11.790	9.995	8.370												
HUMS-ZB48-250X-T	USK.250	32	18.960	16.160	13.700	11.540	9.430	7.600	2 X 500	1250	770	1710	41	16	28	19,0	185	16
		38	17.400	14.840	12.570	10.560	8.575											
		43	16.360	13.960	11.670	9.770												
HUMS-ZB57-350X-T	USK.350	32	21.940	18.500	15.500	12.710	10.450	8.370	3 X 500	1250	770	1710	42	18	35	19,0	190	18,9
		38	20.230	17.040	14.260	11.820	9.540	7.570										
		43	19.050	16.000	13.170	10.870	8.730	6.870										
HUMS-ZB66-250X-T	USE.250	32	25.320	21.600	18.170	14.890	12.200	9.575	2 X 500	1450	1020	1210	41	18	35	19,0	235	19,5
		38	23.540	20.000	16.530	13.700	10.920	8.390										
		43	21.640	18.350	15.050	12.410	9.740											
HUMS-ZB76-350X-T	USE.350	32	31.260	26.700	22.420	18.550	15.100		3 X 500	1450	1020	1760	43	22	35	19,0	260	23,4
		38	29.000	24.840	20.720	17.030	13.980											
		43	27.480	23.120	19.210	15.950												

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 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
- Terminal Box cabled
- Dual pressure switch PED with automatic reset
- Brazed connection to liquid and suction line

Accessories:

- External Instruments
- Oil Separator
- Control Panel cabled
- Coil with special treatment
- Dual pressure switch PED with manual reset
- Fan speed control based on condenser pressure
- Soundproof jackets for scompressor
- Package
- HP/LP Gauges
- Solenoid Valve



TROPICALIZED LOW NOISE CONDENSING UNIT DOUBLE SCROLL COMPRESSORS

R449A (XP40)

Model	IR Code	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
			5	0	-5	-10	-15	-20
HUMS-2XZB15-245X-T	USL.245	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	USL.245	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	USL.250	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	USK.250	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	USK.250	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-2XZB38-350X-T	USK.350	32	27.040	23.340	19.835	16.680	13.805	
		38	25.100	21.400	18.155	15.230	12.535	
		43	23.900	19.800	16.800	14.300		
HUMS-2XZB45-250X-T	USE.250	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-2XZB48-450X-T	UST.450	32	37.400	32.320	27.400	22.740	18.855	15.200
		38	34.800	29.680	25.140	21.120	17.150	
		43	32.200	27.480	23.340	19.540		
HUMS-2XZB57-450X-T	USE.450	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	USE.650	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	USE.650	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
3 X 500	1250	770	1710	41	18	28	19	225	28,6
2 X 500	1450	1020	1210	41	18	28	19	255	28,2
4 X 500	1995	1020	1210	44	18	35	19	305	31,9
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

Standard equipment:

- Self-supporting metal sheet casing varnished with epoxy powder (RAL 7035)
- Easy to open side panels for internal inspection
- Acoustic insulation with pyramidal soundproofing
- Two Copeland Scroll Compressors in tandem connection each equipped with :
 - Rotolock valve on suction and discharge side
 - Crankcase heaters
 - HP pressure switch manual reset (IV PED)
- 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 and 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
 - Carel/Dixell Electronic Control
 - Backup System
- LP transducer
- Nitrogen-pressurized

Accessories:

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



TROPICALIZED LOW NOISE CONDENSING UNIT WITH THREE SCROLL COMPRESSORS

R449A (XP40)

Model	IR Code	Amb. temp.	EVAPORATING TEMPERATURE °C - COOLING CAPACITY W					
			5	0	-5	-10	-15	-20
HUMS-3XZB15-350X-T	USKL.350	32	17.880	14.990	12.645	10.380	8.420	6.730
		38	16.200	13.800	11.445	9.400	7.590	
		43	15.025	12.565	10.400	8.520	6.870	
HUMS-3XZB19-350X-T	USKL.350	32	20.055	17.070	14.240	11.910	9.720	7.845
		38	18.495	15.780	13.335	11.000	8.990	
		43	17.430	14.640	12.385	10.220		
HUMS-3XZB21-350X-T	USKL.350	32	24.775	21.165	17.910	14.835	12.280	10.020
		38	22.590	19.345	16.425	13.620	11.290	
		43	20.700	17.770	15.130	12.760		
HUMS-3XZB26-445X-T	UST.445	32	29.300	24.970	21.090	17.440	14.425	11.640
		38	26.950	22.990	19.440	16.070	13.300	
		43	25.310	21.265	18.030	14.880		
HUMS-3XZB29-445X-T	UST.445	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	USE.450	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	USE.450	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	USE.450	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	USE.650	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	USE.650	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	USE.650	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 500	1500	808	1710	40	16	28	19	246,2	17,61
3 X 500	1500	808	1710	40	16	28	19	251,6	22,41
3 X 500	1500	808	1710	41	18	28	19	260	24,6
4 X 450	1995	1020	1210	42	18	35	19	300	28,6
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

Standard equipment:

- Self-supporting metal sheet casing varnished with epoxy powder (RAL 7035)
- Easy to open side panels for internal inspection
- Acoustic insulation with pyramidal soundproofing
- 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)
- Curved condenser made of copper tube and aluminum fins
- EBM axial fan with six poles and external rotor motor
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- Dual pressure switch with automatic reset
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 - Compressor and fans protection
 - Carel/Dixell Electronic Control
 - Backup System
- LP transducer
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Accessories:

- External Instruments
- Electronic Oil Management
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- Dual pressure switch PED with manual reset
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