



Refrigerated Compressed Air Dryers

MAX Series Air Dryer

- Compact and Ergonomic Design
- 3°C Pressure Dew Point
- Very Low Pressure Drop
- Designed for Tropical Conditions
- Dryer easily runs with rated flow at 60°C
- Voiced and light fault notice alarm
- In all models, +3°C fix dew point by expansion valve & capacity valve

1. Compressed air

%100 Copper Heat Exchanger

2. Refrigerant

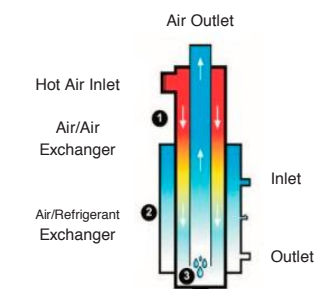
High heat transfer coefficient

3. Drain

Corrosion resistant, within separator



Tecumseh brand compressor (France origin)



Danfoss expansion valve (Denmark origin)



Honeywell capacity valve (Germany Origin)



Standart electronic CEME brand (Italy origin) timed drain

Technical Specifications for Max Series

MODELS	CAPACITY			CONNECTION SIZE	VOLTAGE V/Ph/Hz	REFRIGERANT GAS	PRESSURE DROP (mbar)	MAX. WORKING PRESSURE	MAX. AMBIENT °C	MAX. INLET °C	DIMENSIONS (mm)			WEIGHT Kg
	m3/min	m3/h	cfm								L	W	H	
MAX-900	0,9	54,0	31,8	1/2"	230/1/50	R-134 a	50	16	50	60	490	380	450	29
MAX-1200	1,2	72,0	42,4	1/2"	230/1/50	R-134 a	50	16	50	60	490	380	450	30
MAX-1800	1,8	108,0	63,5	3/4"	230/1/50	R-134 a	100	16	50	60	490	380	450	31
MAX-2200	2,2	132,0	77,7	3/4"	230/1/50	R-134 a	150	16	50	60	600	410	550	36
MAX-2600	2,6	156,0	91,8	1"	230/1/50	R-134 a	120	16	50	60	600	410	550	40
MAX-3100	3,1	186,0	109,5	1"	230/1/50	R-134 a	120	16	50	60	600	410	550	45
MAX-3700	3,7	222,0	130,7	1"	230/1/50	R-134 a	150	16	50	60	600	410	550	48
MAX-4500	4,5	270,0	158,9	1"	230/1/50	R-134 a	120	16	50	60	650	450	550	70
MAX-5500	5,5	330,0	194,2	1"	230/1/50	R-134 a	100	16	50	60	650	450	550	75
MAX-6500	6,5	390,0	229,5	1-1/2"	230/1/50	R-134 a	120	16	50	60	650	450	550	82
MAX-8500	8,5	510,0	300,2	2"	230/1/50	R-134 a	100	16	50	60	750	600	950	125
MAX-11000	11,0	660,0	388,5	2"	400/3/50	R407C	100	16	50	60	750	600	950	135
MAX-13000	13,0	780,0	459,1	2"	400/3/50	R407C	120	16	50	60	750	600	950	150
MAX-17000	17,0	1.020,0	600,3	2"	400/3/50	R407C	200	16	50	60	950	600	1200	180
MAX-20000	20,0	1.200,0	706,3	2-1/2"	400/3/50	R407C	180	16	50	60	950	600	1200	190
MAX-25000	25,0	1.500,0	882,9	2-1/2"	400/3/50	R407C	180	16	50	60	1250	850	1400	260
MAX-30000	30,0	1.800,0	1059,4	2-1/2"	400/3/50	R407C	120	16	50	60	1250	850	1400	275
MAX-35000	35,0	2.100,0	1236,0	3"	400/3/50	R407C	220	16	50	60	1250	850	1400	295
MAX-40000	40,0	2.400,0	1412,6	3"	400/3/50	R407C	200	16	50	60	1750	900	1600	325
MAX-45000	45,0	2.700,0	1589,2	3"	400/3/50	R407C	180	16	50	60	1750	900	1600	360
MAX-50000	50,0	3.000,0	1765,7	DN 100	400/3/50	R407C	250	16	50	60	1750	900	1600	520
MAX-60000	60,0	3.600,0	2118,9	DN 100	400/3/50	R407C	220	16	50	60	1750	900	1600	560
MAX-70000	70,0	4.200,0	2472,0	DN 100	400/3/50	R407C	200	16	50	60	1750	900	1600	600
MAX-80000	80,0	4.800,0	2825,2	DN 100	400/3/50	R407C	220	16	50	60	1750	900	1600	660
MAX-90000	90,0	5.400,0	3178,3	DN 100	400/3/50	R407C	200	16	50	60	2100	1100	1750	730
MAX-105000	105,0	6.300,0	3708,0	DN 125	400/3/50	R407C	220	16	50	60	2100	1100	1750	780
MAX-120000	120,0	7.200,0	4237,8	DN 125	400/3/50	R407C	220	16	50	60	2100	1100	1750	840
MAX-140000	140,0	8.400,0	4944,0	DN 125	400/3/50	R407C	220	16	50	60	2100	1100	1750	875
MAX-160000	160,0	9.600,0	5650,3	DN 150	400/3/50	R407C	220	16	50	60	2100	1100	1750	950

CORRECTION FACTORS FOR MAX SERIES AIR DRYERS							
INLET TEMPERATURE °C	30	35	40	45	50	60	
X1	1,28	1	0,92	0,78	0,65	0,45	
AMBIENT TEMPERATURE °C	20	25	30	35	40	50	
X2	1,05	1	0,98	0,93	0,84	0,7	
PRESSURE BAR	4	6	7	8	10	12	14
X3	0,8	0,94	1	1,04	1,11	1,16	1,22

CHOOSE YOUR DRYER
 Air Flow 300 m³/h at 6 bars;
 Inlet temperature is 40°C,
 Ambient temperature is 30°C,
 Please choose Dryer as below;
 300 / 0,94 / 0,92 / 0,98 = 354 m³/h
 The correct model is MAX-6500

Technical Specifications for Max Series

MODELS	CAPACITY			CONNECTION SIZE	VOLTAGE V/Ph/Hz	REFRIGERANT GAS	PRESSURE DROP (mbar)	MAX. WORKING PRESSURE bar	MAX. AMBIENT °C	MAX. INLET °C	DIMENSIONS			WEIGHT Kg	Condenser Air Flow m³/h	Fan Number x Fan Size	Fan Power W	Refrigerant Power of the Compressor W	Compressor Power hp	Electric Power A
	m3/min	m3/h	cfm								L	W	H							
MAX-900	0.9	54.0	31.8	1/2"	230/1/50	R-134 a	50	16	50	60	490	380	450	30	390	1x20	40	476	1/5	1.5
MAX-1200	1.2	72.0	42.4	1/2"	230/1/50	R-134 a	50	16	50	60	490	380	450	31	390	1x20	40	476	1/5	1.5
MAX-1800	1.8	108.0	63.5	3/4"	230/1/50	R-134 a	100	16	50	60	490	380	450	32	390	1x20	40	560	1/4	1.9
MAX-2200	2.2	132.0	77.7	3/4"	230/1/50	R-134 a	150	16	50	60	490	380	450	34	390	1x20	40	560	1/4	1.9
MAX-2600	2.6	156.0	91.8	1"	230/1/50	R-134 a	120	16	50	60	600	400	530	44	856	1x25	65	903	3/8	3.5
MAX-3100	3.1	186.0	109.5	1"	230/1/50	R-134 a	120	16	50	60	600	400	530	45	856	1x25	65	903	3/8	3.5
MAX-3700	3.7	222.0	130.7	1"	230/1/50	R-134 a	150	16	50	60	600	400	530	47	952	1x25	65	1233	1/2	4.6
MAX-4500	4.5	270.0	158.9	1"	230/1/50	R-134 a	120	16	50	60	650	450	620	70	1115	1x25	95	2050	3/4	5
MAX-5500	5.5	330.0	194.2	1"	230/1/50	R-134 a	100	16	50	60	650	450	620	79	1293	1x25	95	2280	3/4	5.2
MAX-6500	6.5	390.0	229.5	1-1/2"	230/1/50	R-134 a	120	16	50	60	650	450	620	83	1430	1x30	95	2407	1	5.6
MAX-8500	8.5	510.0	300.2	2"	230/1/50	R-134 a	100	16	50	60	870	590	1200	140	3900	1x400	200	4815	2	3
MAX-11000	11.0	660.0	388.5	2"	230/1/50	R-134 a	100	16	50	60	870	590	1200	144	3900	1x400	200	4815	2	3
MAX-13000	13.0	780.0	459.1	2"	400/3/50	R407C	120	16	50	60	852	734	1191	172	3290	1x450	260	6321	2.5	5
MAX-17000	17.0	1,020.0	600.3	2"	400/3/50	R407C	200	16	50	60	852	734	1191	180	4636	1x450	260	7997	3	5.5
MAX-20000	20.0	1,200.0	706.3	2"	400/3/50	R407C	180	16	50	60	852	734	1191	195	4636	1x450	260	7997	4	6
MAX-25000	25.0	1,500.0	882.9	3"	400/3/50	R407C	180	16	50	60	1102	782	1372	273	5834	2x400	2x200	8983	4	6
MAX-30000	30.0	1,800.0	1059.4	3"	400/3/50	R407C	120	16	50	60	1102	782	1372	284	5814	2x450	2x260	11820	5	8.5
MAX-35000	35.0	2,100.0	1236.0	3"	400/3/50	R407C	220	16	50	60	1352	833	1382	302	9273	2x450	2x260	13475	6	8.5
MAX-40000	40.0	2,400.0	1412.6	3"	400/3/50	R407C	200	16	50	60	2104	804	1625	336	11260	2x450	2x260	13475	7	8.5
MAX-45000	45.0	2,700.0	1589.2	3"	400/3/50	R407C	180	16	50	60	2104	804	1625	365	11260	2x450	2x260	14302	7	9.5
MAX-50000	50.0	3,000.0	1765.7	3"	400/3/50	R407C	250	16	50	60	2104	804	1625	552	16443	3x500	3x450	7456	10	12
MAX-60000	60.0	3,600.0	2118.9	DN 100	400/3/50	R407C	220	16	50	60	2104	804	1625	575	16443	3x500	3x450	7456	10	12
MAX-70000	70.0	4,200.0	2472.0	DN 100	400/3/50	R407C	200	16	50	60	2104	1150	1625	590	17306	3x500	3x450	8202	12	13
MAX-80000	80.0	4,800.0	2825.2	DN 100	400/3/50	R407C	220	16	50	60	2104	1150	1625	710	18409	3x500	3x450	8948	13	15
MAX-90000	90.0	5,400.0	3178.3	DN 100	400/3/50	R407C	200	16	50	60	2104	1360	1625	775	21280	3x500	3x450	10439	15	16
MAX-105000	105.0	6,300.0	3708.0	DN 125	400/3/50	R407C	220	16	50	60	2600	1360	1760	805	21418	3x500	3x450	14913	18	18
MAX-120000	120.0	7,200.0	4237.8	DN 150	400/3/50	R407C	220	16	50	60	2750	1360	1760	865	28600	3x500	3x450	14913	20	22
MAX-140000	140.0	8,400.0	4944.0	DN 150	400/3/50	R407C	220	16	50	60	2750	1360	1760	930	32885	3x600	3x700	18642	25	27
MAX-160000	160.0	9,600.0	5650.3	DN 200	400/3/50	R407C	220	16	50	60	2750	1360	1760	930	34560	3x600	3x800	18642	30	32

CORRECTION FACTORS FOR MAX SERIES AIR DRYERS								
INLET TEMPERATURE °C	30	35	40	45	50	60		
X1	1.28	1	0.92	0.78	0.65	0.45		
AMBIENT TEMPERATURE °C	20	25	30	35	40	50		
X2	1.05	1	0.98	0.93	0.84	0.7		
PRESSURE BAR	4	6	7	8	10	12	14	16
X3	0.8	0.94	1	1.04	1.11	1.16	1.22	1.25

CHOOSE YOUR DRYER

Air Flow 300 m³/h at 6 bars;
 Inlet temperature is 40°C,
 Ambient temperature is 30°C,
 Please choose Dryer as below;
 $300 / 0,94 / 0,92 / 0,98 = 354 \text{ m}^3/\text{h}$
 The correct model is MAX-6500

