

RENTAL SPECIFICATION TMS780-400-02
Thermal Mass Cycling Refrigerant Air Dryer

- Thermal mass refrigeration dryer
- Complete package with built-in controls and automatic drain system
- Electric driven, highly efficient hermetic compressor
- Mounted in 10 ft. container for outside weather conditions



Rental reference	TMS780-400-02
Make	Ingersoll Rand
Base model	TMS780
Capacity	78 m ³ /min (4680 Nm ³ /h – 2750 cfm)
Working pressure	4 to 16 Bar Bar(g) – (56 to 220 PSI (G))
Min/Max. inlet temp.	-5° to +40° C
Pressure dew point	+2 ° to +10° C
Discharge connection	DN125-PN16 (other connection on request)
Voltage	400 V, 3 Ph, 50 Hz
Absorbed power	8.1 kW (@ 50 Hz)
Absorbed current	16.4 A
Gross weight	2900 kg
Dimensions	2.99 x 2.44 x 2.59 m
Sound pressure	<70 dB(A) (EN ISO 2151:2004)

Machine is equipped with auto start option. Automatic anti frost system. Condensate discharge system level sensed. Integrated control system. Mounted in 10 ft. container for outside weather conditions

CORRECTION FACTORS

PRESSURE DEWPOINT		AMBIENT TEMPERATURE		WORKING PRESSURE (bar g)													
RANGE (°C)	FACTOR	TEMP (°C)	FACTOR	Inlet temp (°C)	4	5	6	7	8	9	10	11	12	13	14	15	16
2	1.0	20	1.06	25	1.18	1.21	1.23	1.26	1.31	1.34	1.37	1.40	1.42	1.46	1.49	1.51	1.54
4	1.05	25	1.00	30	1.04	1.07	1.09	1.11	1.15	1.18	1.21	1.23	1.25	1.29	1.31	1.33	1.35
7	1.16	30	0.95	35	0.94	0.96	0.98	1.00	1.04	1.06	1.09	1.11	1.13	1.16	1.18	1.20	1.22
10	1.25	35	0.90	40	0.84	0.85	0.87	0.89	0.93	0.94	0.97	0.99	1.01	1.03	1.05	1.07	1.09
		40	0.85	45	0.74	0.76	0.77	0.79	0.82	0.84	0.86	0.88	0.89	0.92	0.93	0.95	0.96
		43	0.84	50	0.66	0.67	0.68	0.70	0.73	0.74	0.76	0.78	0.79	0.81	0.83	0.84	0.85
		47	0.80	55	0.58	0.60	0.60	0.62	0.64	0.66	0.68	0.69	0.70	0.72	0.73	0.74	0.76

Optional equipment:

- *Pressure reduction
- *Air receiver tanks
- *Hoses
- *Compressors

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