

RENTAL SPECIFICATION TMS780-400-34
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



Rental reference	TMS780-400-34
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, 50 Hz
Absorbed power	8.1 kW (@ 50 Hz)
Absorbed current	16.4 A
Gross weight	1450 kg
Dimensions	2.1 x 1.3 x 2.05 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.

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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