



**Engineering**

Ref:

ENG.TSA-12

Date:

1-Oct-06

TS Model

TS\_12A

Performance Data: Rated Flow value is to achieve a 39°F Dewpoint

Inlet Air (psig)	Ambient Air Temp (°F)	Inlet Air Temp (°F)	Rated Flow (cfm)	Pressure Drop (Psig)	Condensate Produced (Gal/Hr)
150	85	100	2318	3.1	3.9
150	100	120	2093	3.2	5.7
150	115	140	1170	1.9	6.1
125	85	100	2250	3.3	4.4
125	100	120	2025	3.6	6.5
125	115	140	1080	2.0	6.7
100	85	100	2003	4.3	4.8
100	100	120	1845	4.1	7.2
100	115	140	945	2.2	7.2

**Electrical Data**

\*Power Absorbed at Full Load in 85°F Ambient & 100°F Inlet Air -460V

**Nominal Conditions\***

**Maximum Operating\*\***

\*\*Power Absorbed at Full Load in 115°F Ambient & 140°F Inlet Air -460V

Total installed package power(Kw): (Compressor, Fans and Control Panel)	14.05	16.59
Total absorbed Compressor power (Kw)	11.99	14.54
Total absorbed fan(s) and control panel power (Kw)	2.06	2.05

**Electrical Supply**

**Standard**

**Optional**

**Ext. Transf.**

Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	23.6	Not Available	29.5
Package Locked Rotor Amps	110.2	Not Available	137.7

**Construction-General Data**

Package Dimensions(in) (L x W x H)	84.6 x 42.1 x 65.7	
Weight (lbs)	800	
Air Inlet/Outlet Connections (in)	6.0	Flg
Condensate Drain Connection (in)	1/4	NPTF
Refrigerant Type	R404A	
Refrigerant Charge (lb)	17.3	
Condenser Airflow (cfm)	11,520	
Heat Rejection (Btu/hr)	154,224	
Maximum Operating Pressure (Psig)	150	
Maximum Operating Ambient Temperature (°F)	115	
Maximum Operating Inlet Air Temperature (°F)	140	
Minimum Operating Ambient Temperature (°F)	35	

Product improvement is an ongoing process at IR. Data is subject to change without notice.