



**Engineering**

Ref: **ENG.TSA-1**  
 Date: **22-Jan-04**

**TS Model** **TS\_1A**

**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	263	2.6	0.4
150	100	120	220	2.2	0.6
150	115	140	115	1.2	0.6
125	85	100	258	3.0	0.5
125	100	120	208	2.5	0.7
125	115	140	105	1.4	0.7
100	85	100	250	3.6	0.6
100	100	120	190	2.8	0.7
100	115	140	95	1.5	0.7

<b>Electrical Data</b>	<b>Nominal Conditions*</b>	<b>Maximum Operating**</b>
*Power Absorbed at Full Load in 85°F Ambient & 100°F Inlet Air -460V		
**Power Absorbed at Full Load in 115°F Ambient & 140°F Inlet Air -460V		
Total installed package power(Kw): (Compressor, Fans and Control Panel)	2.18	2.55
Total absorbed Compressor power (Kw)	1.75	2.12
Total absorbed fan(s) and control panel power (Kw)	0.44	0.43

<b>Electrical Supply</b>	<b>Standard</b>	<b>Optional</b>	<b>Optional</b>
Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	4.1	8.3	5.1
Package Locked Rotor Amps	17.1	34.2	21.4

<b>Construction-General Data</b>	
Package Dimensions(in) (L x W x H)	33.5 x 26.6 x 55.1
Weight (lbs)	390
Air Inlet/Outlet Connections (in)	1 1/2 NPT
Condensate Drain Connection (in)	1/8 NPTF
Refrigerant Type	R404A
Refrigerant Charge (lb)	2.6
Condenser Airflow (cfm)	2,001
Heat Rejection (Btu/hr)	17,741
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.