



**Engineering**

Ref: **ENG.TSA-8**  
 Date: **1-May-06**

**TS Model** **TS 8A**

**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	1385	3.3	2.2
150	100	120	1021	2.7	2.8
150	115	140	529	1.5	2.8
125	85	100	1360	3.8	2.5
125	100	120	958	3.0	3.1
125	115	140	491	1.6	3.0
100	85	100	1322	4.5	2.9
100	100	120	869	3.3	3.4
100	115	140	428	1.7	3.3

<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)	7.56	8.98
Total absorbed Compressor power (Kw)	6.70	8.12
Total absorbed fan(s) and control panel power (Kw)	0.86	0.86

<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	13.3	Not Available	16.6
Package Locked Rotor Amps	69.1	Not Available	86.3

<b>Construction-General Data</b>			
Package Dimensions(in) (L x W x H)	64.7 x 42.1 x 65.7		
Weight (lbs)	600		
Air Inlet/Outlet Connections (in)	4.0	Flg	
Condensate Drain Connection (in)	1/4	NPTF	
Refrigerant Type	R404A		
Refrigerant Charge (lb)	9.9		
Condenser Airflow (cfm)	5,885		
Heat Rejection (Btu/hr)	87,851		
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.