



**Engineering**

Ref: **ENG.TSA-7**  
 Date: **22-Jan-04**

**TS Model** **TS 7A**

**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	1156	3.2	1.9
150	100	120	910	2.3	2.5
150	115	140	471	1.3	2.5
125	85	100	1070	4.2	2.1
125	100	120	845	2.6	2.7
125	115	140	428	1.4	2.7
100	85	100	1017	4.4	2.5
100	100	120	770	2.9	3.0
100	115	140	385	1.5	2.9

<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)	6.60	7.86
Total absorbed Compressor power (Kw)	5.96	7.22
Total absorbed fan(s) and control panel power (Kw)	0.64	0.64

<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	11.4	Not Available	14.2
Package Locked Rotor Amps	61.7	Not Available	77.2

<b>Construction-General Data</b>			
Package Dimensions(in) (L x W x H)	64.7 x 42.1 x 65.7		
Weight (lbs)	930		
Air Inlet/Outlet Connections (in)	4.0	Flg	
Condensate Drain Connection (in)	1/4	NPTF	
Refrigerant Type	R404A		
Refrigerant Charge (lb)	8.8		
Condenser Airflow (cfm)	4,502		
Heat Rejection (Btu/hr)	74,497		
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.