



Engineering

Ref: **ENG.TSA-9**
 Date: **22-Jan-04**

TS Model **TS 9A**

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	1571	2.8	2.6
150	100	120	1448	2.7	3.9
150	115	140	755	1.5	3.9
125	85	100	1540	3.3	3.0
125	100	120	1340	3.0	4.3
125	115	140	693	1.6	4.3
100	85	100	1494	3.9	3.6
100	100	120	1232	3.3	4.8
100	115	140	616	1.8	4.7

Electrical Data	Nominal Conditions*	Maximum Operating**
*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)	9.72	11.59
Total absorbed Compressor power (Kw)	8.82	10.69
Total absorbed fan(s) and control panel power (Kw)	0.90	0.90

Electrical Supply	Standard	Optional	Optional
Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	16.7	Not Available	20.9
Package Locked Rotor Amps	82.6	Not Available	103.3

Construction-General Data			
Package Dimensions(in) (L x W x H)	84.6 x 42.1 x 65.7		
Weight (lbs)	1340		
Air Inlet/Outlet Connections (in)	4.0	Flg	
Condensate Drain Connection (in)	1/4	NPTF	
Refrigerant Type	R404A		
Refrigerant Charge (lb)	11.7		
Condenser Airflow (cfm)	7,121		
Heat Rejection (Btu/hr)	104,377		
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.