



Engineering

Ref: **ENG.TSA-6**
 Date: **1-Oct-06**

TS Model **TS 6A**

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	990	2.0	1.7
150	100	120	873	1.8	2.4
150	115	140	441	1.0	2.3
125	85	100	972	2.3	1.9
125	100	120	810	2.0	2.6
125	115	140	405	1.1	2.5
100	85	100	936	2.7	2.3
100	100	120	738	2.2	2.9
100	115	140	360	1.2	2.7

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)	5.90	7.02
Total absorbed Compressor power (Kw)	5.53	6.38
Total absorbed fan(s) and control panel power (Kw)	0.37	0.64

Electrical Supply	Standard	Optional	Ext. Transf.
Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	10.3	Not Available	12.8
Package Locked Rotor Amps	43.7	Not Available	54.7

Construction-General Data			
Package Dimensions(in) (L x W x H)	57.4 x 42.1 x 61.7		
Weight (lbs)	450		
Air Inlet/Outlet Connections (in)	3.0	NPT	
Condensate Drain Connection (in)	1/4	NPTF	
Refrigerant Type	R404A		
Refrigerant Charge (lb)	7.8		
Condenser Airflow (cfm)	4,443		
Heat Rejection (Btu/hr)	63,569		
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.