



Engineering

Ref: **ENG.TSA-5**
 Date: **1-Oct-06**

TS Model **TS 5A**

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	700	2.5	1.2
150	100	120	639	2.4	1.7
150	115	140	347	1.4	1.8
125	85	100	687	2.9	1.4
125	100	120	598	2.6	1.9
125	115	140	320	1.5	2.0
100	85	100	666	3.5	1.6
100	100	120	544	2.9	2.1
100	115	140	286	1.6	2.2

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)	4.22	5.03
Total absorbed Compressor power (Kw)	3.81	4.62
Total absorbed fan(s) and control panel power (Kw)	0.41	0.41

Electrical Supply	Standard	Optional	Ext. Transf.
Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	7.7	Not Available	9.6
Package Locked Rotor Amps	31.0	Not Available	38.8

Construction-General Data			
Package Dimensions(in) (L x W x H)	57.4 x 42.1 x 61.7		
Weight (lbs)	425		
Air Inlet/Outlet Connections (in)	3.0	NPT	
Condensate Drain Connection (in)	1/4	NPTF	
Refrigerant Type	R404A		
Refrigerant Charge (lb)	5.9		
Condenser Airflow (cfm)	3,590		
Heat Rejection (Btu/hr)	47,322		
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.