



Engineering

Ref: **ENG.TSA-4**
 Date: **22-Jan-04**

TS Model **TS 4A**

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	597	2.9	1.0
150	100	120	574	2.9	1.6
150	115	140	342	1.8	1.8
125	85	100	580	3.3	1.1
125	100	120	551	3.4	1.8
125	115	140	313	2.0	1.9
100	85	100	563	3.9	1.4
100	100	120	505	3.9	2.0
100	115	140	278	2.1	2.1

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)	3.79	4.50
Total absorbed Compressor power (Kw)	3.36	4.07
Total absorbed fan(s) and control panel power (Kw)	0.43	0.43

Electrical Supply	Standard	Optional	Optional
Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	7.1	Not Available	8.8
Package Locked Rotor Amps	26.0	Not Available	32.5

Construction-General Data	
Package Dimensions(in) (L x W x H)	39 x 31.5 x 55.1
Weight (lbs)	485
Air Inlet/Outlet Connections (in)	2.0 NPT
Condensate Drain Connection (in)	1/8 NPTF
Refrigerant Type	R404A
Refrigerant Charge (lb)	4.4
Condenser Airflow (cfm)	2,825
Heat Rejection (Btu/hr)	39,659
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.