



Engineering

Ref: **ENG.TSA-3**
 Date: **22-Jan-04**

TS Model **TS 3A**

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	474	2.7	0.8
150	100	120	446	2.8	1.2
150	115	140	271	1.6	1.4
125	85	100	465	3.1	0.9
125	100	120	437	3.2	1.4
125	115	140	248	1.8	1.5
100	85	100	451	3.7	1.1
100	100	120	414	3.6	1.6
100	115	140	221	2.0	1.7

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)	3.27	3.91
Total absorbed Compressor power (Kw)	2.99	3.62
Total absorbed fan(s) and control panel power (Kw)	0.29	0.29

Electrical Supply	Standard	Optional	Optional
Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	6.0	Not Available	7.4
Package Locked Rotor Amps	23.6	Not Available	29.5

Construction-General Data	
Package Dimensions(in) (L x W x H)	39 x 31.5 x 55.1
Weight (lbs)	471
Air Inlet/Outlet Connections (in)	2.0 NPT
Condensate Drain Connection (in)	1/8 NPTF
Refrigerant Type	R404A
Refrigerant Charge (lb)	3.2
Condenser Airflow (cfm)	1,754
Heat Rejection (Btu/hr)	32,064
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.