



Engineering

Ref:

ENG.TSA-13

Date:

1-Oct-06

TS Model

TS_13A

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	2624	2.7	4.4
150	100	120	2454	2.7	6.6
150	115	140	1361	1.5	7.1
125	85	100	2552	3.1	5.0
125	100	120	2357	3.0	7.5
125	115	140	1264	1.7	7.8
100	85	100	2479	3.7	6.0
100	100	120	2163	3.3	8.5
100	115	140	1118	1.8	8.5

Electrical Data

*Power Absorbed at Full Load in 85°F Ambient & 100°F Inlet Air -460V

Nominal Conditions*

Maximum Operating**

**Power Absorbed at Full Load in 115°F Ambient & 140°F Inlet Air -460V

Total installed package power(Kw): (Compressor, Fans and Control Panel)	16.72	19.67
Total absorbed Compressor power (Kw)	13.94	16.90
Total absorbed fan(s) and control panel power (Kw)	2.78	2.77

Electrical Supply

Standard

Optional

Ext. Transf.

Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	28.5	Not Available	35.6
Package Locked Rotor Amps	121.9	Not Available	152.4

Construction-General Data

Package Dimensions(in) (L x W x H)	84.6 x 42.1 x 65.7	
Weight (lbs)	850	
Air Inlet/Outlet Connections (in)	6.0	Flg
Condensate Drain Connection (in)	1/4	NPTF
Refrigerant Type	R404A	
Refrigerant Charge (lb)	19.2	
Condenser Airflow (cfm)	13,595	
Heat Rejection (Btu/hr)	166,370	
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.