



Engineering

Ref:

ENG.TSA-10

Date:

1-Oct-06

TS Model

TS_10A

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	1803	3.2	3.0
150	100	120	1575	3.3	4.3
150	115	140	893	2.0	4.7
125	85	100	1750	3.3	3.5
125	100	120	1488	3.8	4.8
125	115	140	823	2.2	5.1
100	85	100	1540	4.5	3.7
100	100	120	1400	4.4	5.5
100	115	140	735	2.4	5.6

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)	10.60	12.57
Total absorbed Compressor power (Kw)	9.32	11.29
Total absorbed fan(s) and control panel power (Kw)	1.28	1.28

Electrical Supply

Standard

Optional

Ext. Transf.

Electrical Supply (V/ph/Hz)	460/3/60	230/3/60	575/3/60
Package Full Load Amps	18.5	Not Available	23.1
Package Locked Rotor Amps	93.4	Not Available	116.8

Construction-General Data

Package Dimensions(in) (L x W x H)	84.6 x 42.1 x 65.7	
Weight (lbs)	725	
Air Inlet/Outlet Connections (in)	6.0	Flg
Condensate Drain Connection (in)	1/4	NPTF
Refrigerant Type	R404A	
Refrigerant Charge (lb)	13.6	
Condenser Airflow (cfm)	8,769	
Heat Rejection (Btu/hr)	118,953	
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.