



## High Temperature Refrigerated Dryer

Engineering Data  
May 14, 2008  
Revision 0

MODEL		D25IT	D42IT	D60IT	D102IT	D140IT	D170IT
<b>Performance Data</b>							
AIR FLOW RATE*	CFM	15	25	35	60	82	100
	M3/h	25	42	60	102	140	170
PRESSURE DROP	PSIG	1.02	1.31	1.88	3.19	3.19	3.92
DEW POINT*	°F / °C	< 50°F / 10°C (ISO CLASS 6)					
<b>Electrical Data</b>							
POWER SUPPLY	VOLT/PH/HZ	115/1/60					
COMPRESSOR	HP	1/6	1/4	1/4	1/2	1/2	2/3
	kW	0.21	0.37	0.37	0.48	0.57	0.71
	Max kW	0.27	0.49	0.49	0.66	0.75	1.14
	RLA	2.51	4.23	4.23	5.63	6.56	8.16
	FLA	2.95	5.24	5.24	6.96	7.97	11.6
LRA	23	35	35	34	37	47	
DRYER TOTAL	Amps	5	7	7	11	11	13.5
<b>Weights &amp; Dimensions</b>							
DIMENSIONS (in)	Width	15.5			16.5		
	Length	20			22.5		
	Height	26			30.5		
WEIGHT	LB	83.8	86	86	125.7	136.7	147.7
	KG	38	39	39	57	62	67
<b>General Data</b>							
CONNECTION	NPT	½"	½"	½"	¾"	¾"	1"
MAX AIR INLET TEMP	°F	200					
	°C	94					
MIN-MAX AMBIENT TEMP	°F	36 – 122					
	°C	2 – 50					
AIR PRESSURE MAX	psi	203					
	bar	14					
REFRIGERANT	TYPE	R134a					
	LB	0.51	0.88	0.88	0.88	1.06	1.17
SEPARATOR	Type	Stainless Steel Demister					
DRAIN	Type	Electric Timer Solenoid					
HEAT EXCHANGER	Type	Aluminium Braze Plate					
PROTECTION	Rating	IP42 / NEMA 12					
CLASSIFICATION	Rating	ul Listed					

\*Rating conditions of: 66°C (150°F) and 100 psig Air Inlet, 35°C (95°F) Ambient  
Performance and specifications + / - 5%