

Fan coil application

Model:		iGXC13T									
Tdesignc			35 °C								
Full load (Pdesignc)			9.80	kW							
Table 1—Data for SEER											
	Outdoor heat exchanger	Indoor heat exchanger	Part Load Ratio %	Part Load kW	Tested Capacity kW	Tested EER	Cd	CR	EER at A, B, C, D, E, F condition		Tested capacity/Part load
	Outdoor air °C	Outlet water temperature °C									
A	35	7	100.00%	9.80	9.798	2.95	1.00	1.00	2.95		PASS
B	30	8.5	73.68%	7.22	7.702	4.18	0.99	1.00	4.18		PASS
C	25	10	47.37%	4.64	4.750	5.24	0.98	1.00	5.24		PASS
D	20	11.5	21.05%	2.06	2.336	5.92	0.96	0.88	5.89		PASS
Pdesignc=			9.80	kW							
Hce=			600	h							
Qc=Pdesignc x Hce=			5879	kWh							
Input(Off)=Poff x HOFF=			0.015	kW	x	0 h =		0	kWh		
Input(Thermostat off)=Pto x Hto=			0.015	kW	x	659 h =		9.885	kWh		
Input(Standby)=Psb x Hsb=			0.015	kW	x	1377 h =		20.655	kWh		
Input(CK)=Pck x Hck=			0.000	kW	x	2036 h =		0	kWh		
Qce=Qc/SEER=			1249								
SEERon	4.83										
SEER	4.71										
ηs %	185										