

Cooling floor application											
Model:		iGXC13T									
Tdesignc			35 °C								
Full load (Pdesignc)			11.07 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/P art load
	Outdoor air °C	Outlet water temperature °C									
A	35	18	100.00%	11.07	11.066	4.40	0.99	1.00	4.40		PASS
B	30	18	73.68%	8.15	8.179	6.47	0.99	1.00	6.47		PASS
C	25	18	47.37%	5.24	5.347	8.44	0.98	1.00	8.44		PASS
D	20	18	21.05%	2.33	2.714	10.05	0.95	0.86	9.96		PASS
Pdesignc=			11.07 kW								
Hce=			600 h								
Qc=Pdesignc x Hce=			6640 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=			892								
SEERon	7.71										
SEER	7.44										
ηs %	295										