



GENERAL DATA

SWU & SCU Units

Table 1-1 General Data - SWU Water Cooled Condensing Units

Unit Size		10	15	20	25	30	35	40	45	50	60
Compressor											
Quantity		1	1	2	2	2	3	3	3	4	4
Nominal Tons	(tons)	10	15	10/10	10/15	15/15	10/10/15	10/15/15	15/15/15	10/10/15/15	15/15/15/15
Steps of Unloading	(%)	100	100	100-50	100-40	100-50	100-57-43	100-63-37	100-67-33	100-70-40-30	100-75-50-25
Condenser											
Water Storage	(gal)										
Minimum Flow	(gpm)	12	15	32	37	55	55	55	80	80	80
Maximum Flow	(gpm)	45	60	110	110	170	170	175	250	255	255
General Unit											
Refrigerant		R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C
No. of Independent Refrigerant Circuits		1	1	1	1	1	1	1	1	1	1
Oil Type		POE	POE	POE	POE	POE	POE	POE	POE	POE	POE
Oil Charge in each Compressor	(pt)	8.5	8.5	8.5/8.5	8.5/13.8	13.8/13.8	8.5/8.5/13.8	8.5/13.8/13.8	13.8/13.8/13.8	8.5/8.5/13.8/13.8	13.8/13.8/13.8/13.8

Table 1-2 General Data - SCU Compressor Units

Unit Size		10	15	20	25	30	35	40	45	50	60
Compressor											
Quantity		1	1	2	2	2	3	3	3	4	4
Nominal Tons	(tons)	10	15	10/10	10/15	15/15	10/10/15	10/15/15	15/15/15	10/10/15/15	15/15/15/15
Steps of Unloading	(%)	100	100	100-50	100-40	100-50	100-57-43	100-63-37	100-67-33	100-70-40-30	100-75-50-25
General Unit											
Refrigerant		R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C
No. of Independent Refrigerant Circuits		1	1	1	1	1	1	1	1	1	1
Oil Type		POE	POE	POE	POE	POE	POE	POE	POE	POE	POE
Oil Charge in each Compressor	(pt)	8.5	8.5	8.5/8.5	8.5/13.8	13.8/13.8	8.5/8.5/13.8	8.5/13.8/13.8	13.8/13.8/13.8	8.5/8.5/13.8/13.8	13.8/13.8/13.8/13.8

Notes:

1. Nominal compressor sizes based on 60 Hz.
2. Optional hot gas bypass feature allows additional stage of capacity reduction.