



GENERAL DATA

NWC & NCC Chillers

Table 1-1 General Data - NWC Water Cooled Chillers

Unit Size		15	20	26	30	40	52	60	70
Compressor									
Quantity		2	2	2	2	2,2	2,2	2,2	2,2
Nominal Tons	(tons)	7.5/7.5	10/10	13/13	15/15	10/10, 10/10	13/13, 13/13	15/15, 15/15	15/20, 15/20
Steps of Unloading	(%)	100-50	100-50	100-50	100-50	100-75- 50-25	100-75- 50-25	100-75- 50-25	100-71- 43-21
Evaporator									
Water Storage	(gal)	1.3	1.8	2.4	2.8	3.9	5.0	5.6	7.7
Minimum Flow	(gpm)	29	39	50	56	78	101	112	130
Maximum Flow	(gpm)	68	90	115	130	181	236	260	304
Condenser (each)									
Water Storage (each)	(gal)	3.1	3.1	3.6	3.6	3.1	3.6	3.6	4.4
Minimum Flow (each)	(gpm)	20	20	40	40	20	40	40	48
Maximum Flow (each)	(gpm)	65	70	135	135	70	135	135	164
General Unit									
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
No. of Independent Refrigerant Circuits		1	1	1	1	2	2	2	2
Refr Charge per Circuit (approx.)	(lbs)	30	40	52	52	40,40	52,52	52,52	66,66
Oil Type		3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE
Oil Charge each Compressor	(oz)	81/81	110/110	110/110	110/110	110/110, 110/110	110/110, 110/110	110/110, 110/110	110/148, 110/148

Table 2-1 General Data - NCC Compressor Chillers

Unit Size		15	20	26	30	40	52	60	70
Compressor									
Quantity		2	2	2	2	2,2	2,2	2,2	2,2
Nominal Tons	(tons)	7.5/7.5	10/10	13/13	15/15	10/10, 10/10	13/13, 13/13	15/15, 15/15	15/20, 15/20
Steps of Unloading	(%)	100-50	100-50	100-50	100-50	100-75- 50-25	100-75- 50-25	100-75- 50-25	100-71- 43-21
Evaporator									
Water Storage	(gal)	1.3	1.8	2.4	2.8	3.9	5.0	5.6	7.7
Minimum Flow	(gpm)	29	39	50	56	78	101	112	130
Maximum Flow	(gpm)	68	90	115	130	181	236	260	304
General Unit									
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
No. of Independent Refrigerant Circuits		1	1	1	1	2	2	2	2
Refr Charge per Circuit (approx.)	(lbs)	NA	NA	NA	NA	NA	NA	NA	NA
Oil Type		3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE	3MAPOE
Oil Charge each Compressor	(oz)	81/81	110/110	110/110	110/110	110/110, 110/110	110/110, 110/110	110/110, 110/110	110/148, 110/148

Notes:

1. Data containing information on two circuits formatted as follows: Circuit 1, Circuit 2
2. Nominal compressor sizes based on 60 Hz.
3. Optional hot gas bypass feature allows additional stage of capacity reduction.