



BY JOHNSON CONTROLS

HIGH EFFICIENCY /
HIGH AMBIENT /
OPTIMIZED IPLV

MODEL #: YCAV0207NA46UABBXT0 XXXX LXXXX44SXXXXXHXXXSAXXXXX5LXXXXNBXXXXX

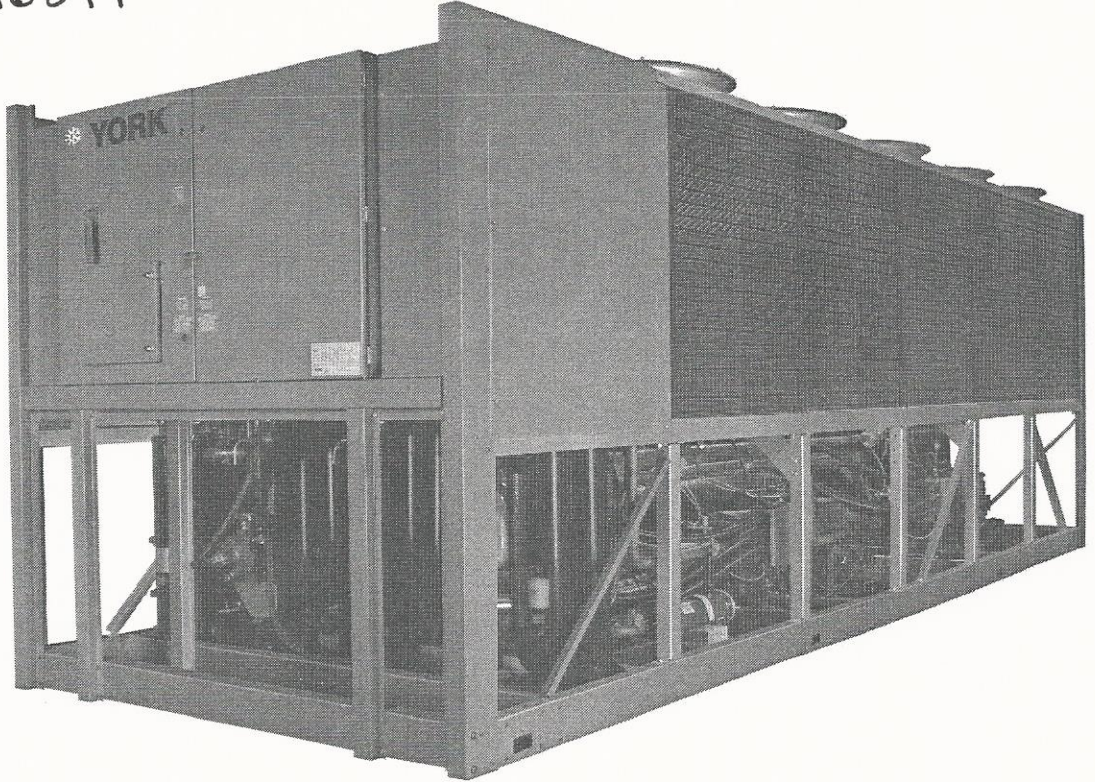
S/N: RMRM016899

YR: 2006

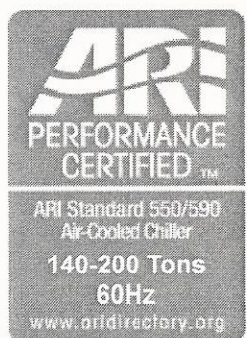
207 TONS

460-3-60

R-134a



**Model YCAV Air-Cooled Screw Compressor Liquid Chillers
Style A**



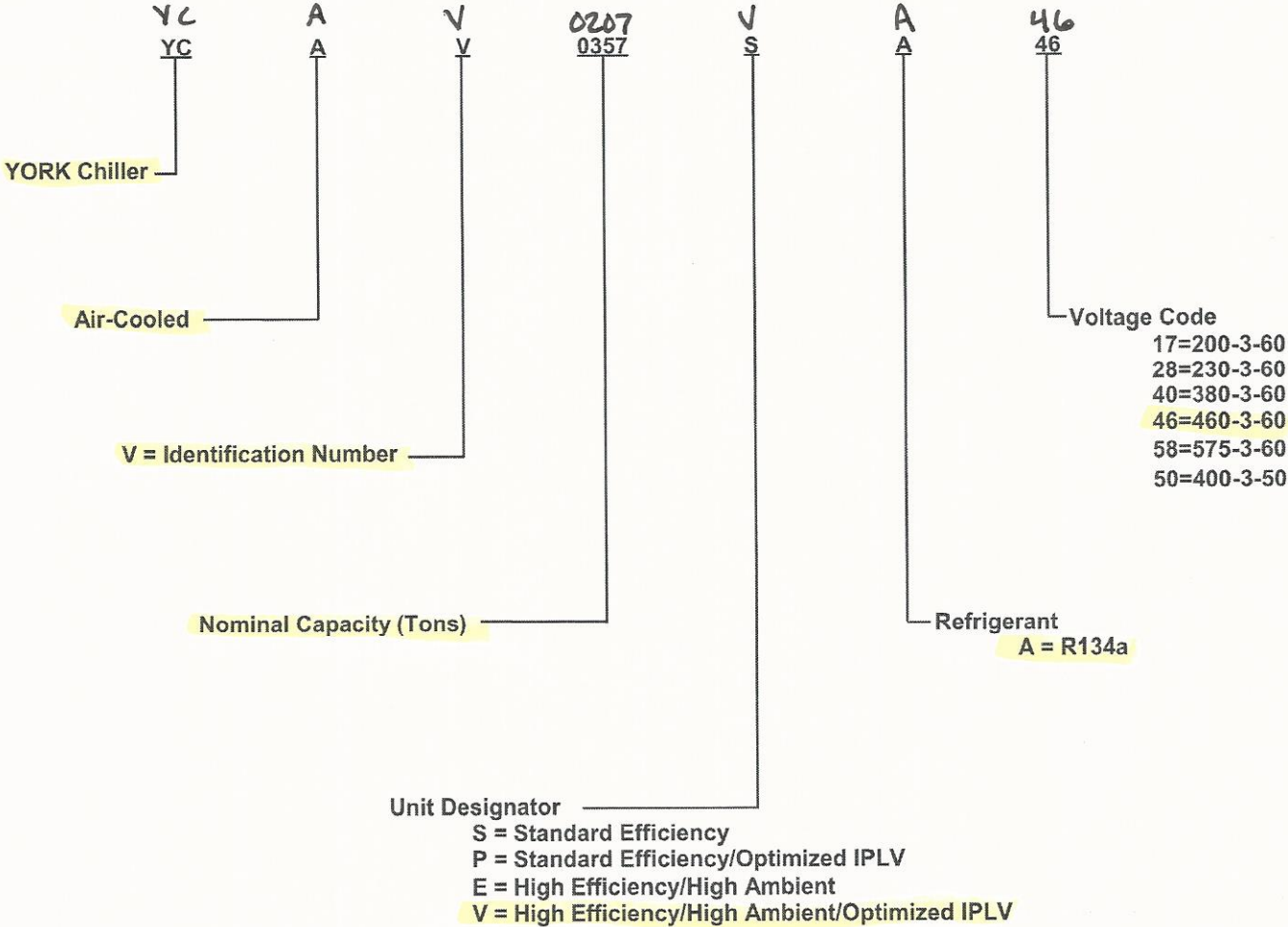
150 - 385 TONS & 385 - 515 TONS
527 - 1354 kW & 1354 - 1804 kW
60 Hz 50 & 60 Hz
ASHRAE 90.1 Compliant



Nomenclature

NOMENCLATURE

The Model Number denotes the following characteristics of the unit:



Physical Data (English - High Efficiency)

FORM 201.21-EG1 (209)

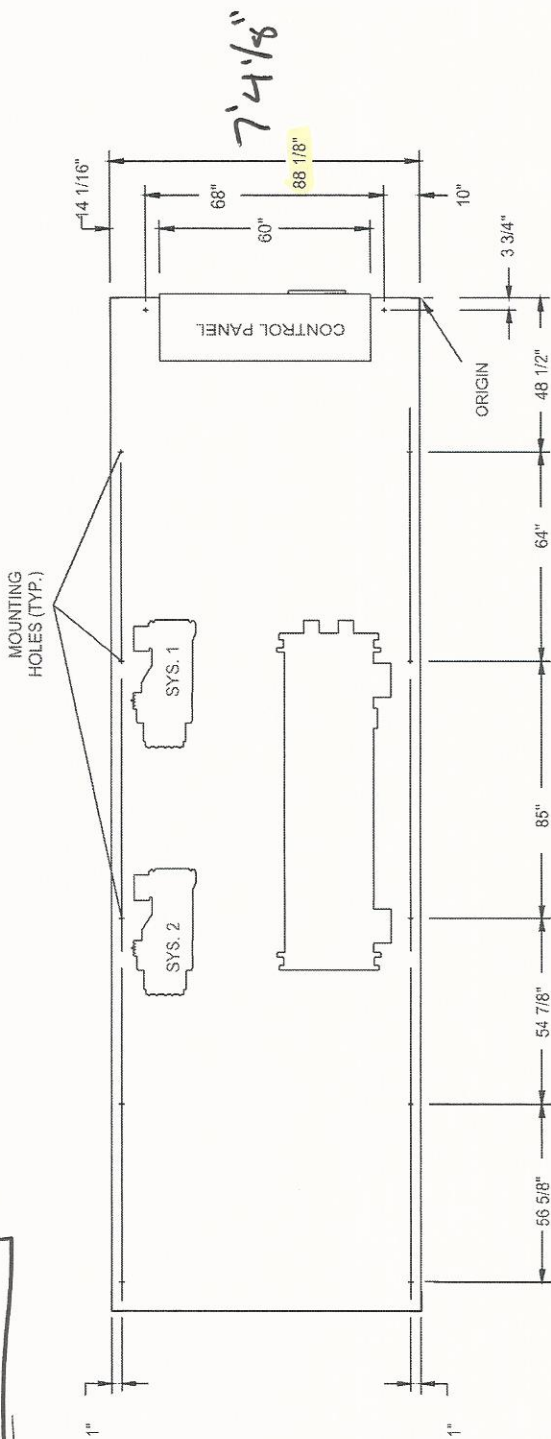
Refrigerant R-134a	HIGH EFFICIENCY						
	MODEL NUMBER (YCAV				E/M)		
General Unit Data	YCAV0157	YCAV0177	YCAV0187	YCAV0197	YCAV0207	YCAV0227	YCAV0247
Number of Independent Refrigerant Circuits	2	2	2	2	2	2	2
Refrigerant Charge, R-134a, Ckt.-1/Ckt.-2, lbs	170/170	185/170	185/185	192/192	225/192	225/225	230/230
Oil Charge, Ckt.-1/Ckt.-2, gal.	5/5	5/5	5/5	5/5	5/5	5/5	5/5
Compressors, Semi-hermetic Screw Qty per Chiller	2	2	2	2	2	2	2
Condensers, High Efficiency Fin/Tube with Integral Subcooler							
Total Chiller Coil Face Area, ft ²	235	264	293	293	323	352	352
Number of Rows	3	3	3	3	3	3	3
Fins per Inch	17	17	17	17	17	17	17
Condenser Fans							
Number, Ckt.-1/Ckt.-2	4/4	5/4	5/5	5/5	6/5	6/6	6/6
Low Sound Fans							
Fan Motor, HP	2	2	2	2	2	2	2
Fan & Motor Speed, revs./min.	1140	1140	1140	1140	1140	1140	1140
Fan Diameter, inches	35.4	35.4	35.4	35.4	35.4	35.4	35.4
Fan Tip Speed, ft./min.	10575	10575	10575	10575	10575	10575	10575
Total Chiller Airflow, cfm	104000	117000	130000	130000	143000	156000	156000
Ultra Quiet Fans							
Fan Motor, HP	2	2	2	2	2	2	2
Fan & Motor Speed, revs./min.	838	838	838	838	838	838	838
Fan Diameter, inches	35.4	35.4	35.4	35.4	35.4	35.4	35.4
Fan Tip Speed, ft./min.	7774	7774	7774	7774	7774	7774	7774
Total Chiller Airflow, cfm	104000	117000	130000	130000	143000	156000	156000
Evaporator, Direct Expansion							
Water Volume, gals.	95.0	95.0	95.0	110.0	110.0	110.0	140.0
Maximum Water Side Pressure, psig ¹	150	150	150	150	150	150	150
Maximum Refrigerant Side Pressure, psig	235	235	235	235	235	235	235
Minimum Chilled Water Flow Rate, gpm	160	160	160	180	180	180	180
Maximum Chilled Water Flow Rate, gpm	750	750	750	750	750	750	800
Water Connections, inches	10	10	10	10	10	10	10

¹ Optional 300 psig Waterside available

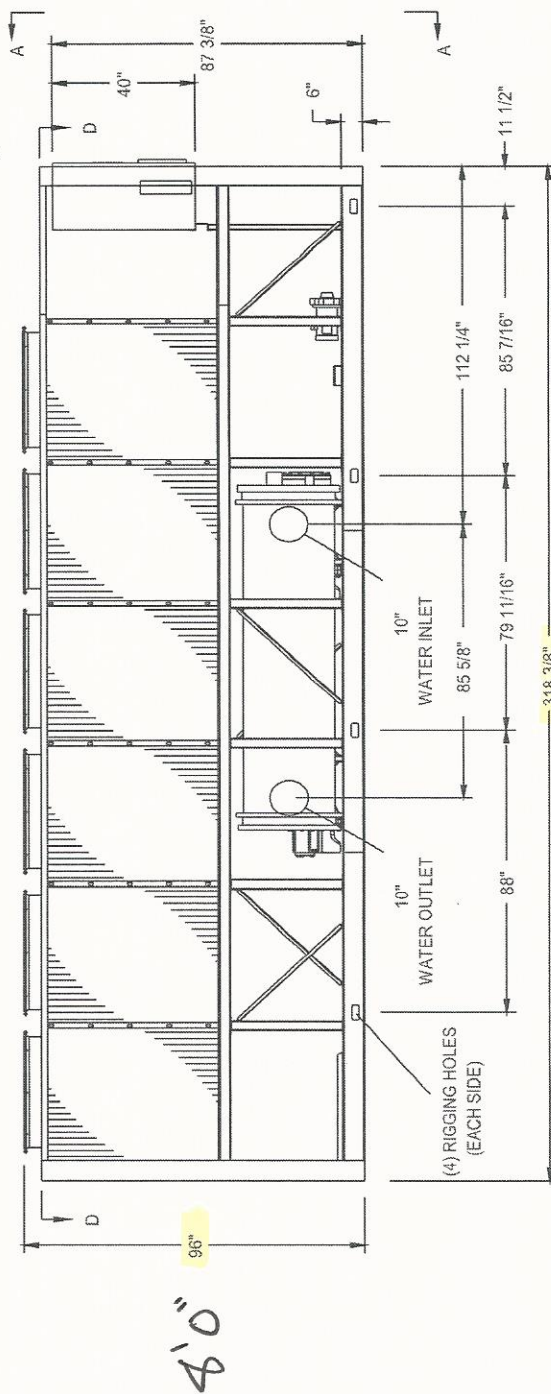
Contact your nearest Johnson Controls Sales Office for weight data.

WEIGHT: 14,437

JOHNSON CONTROLS



VIEW D-D



POWER: SINGLE POINT WITH TERMINAL BLOCK