



A JOHNSON CONTROLS COMPANY

Year: 2005
Size: 247 Tons

Model #: YCAV0247VA46VAACSTXXXXXLXXXX44SXXX
XXHXXVSAXXXXX5XXXXXNH5XXXX

Serial #: RAPM010465

LATITUDE™

**Air Cooled Screw Liquid Chillers
STYLE A**



Shipping Weight: 13,394 lbs

L: 26' 6 3/8"
W: 7' 4 1/8"
H: 8' 0"

R134a



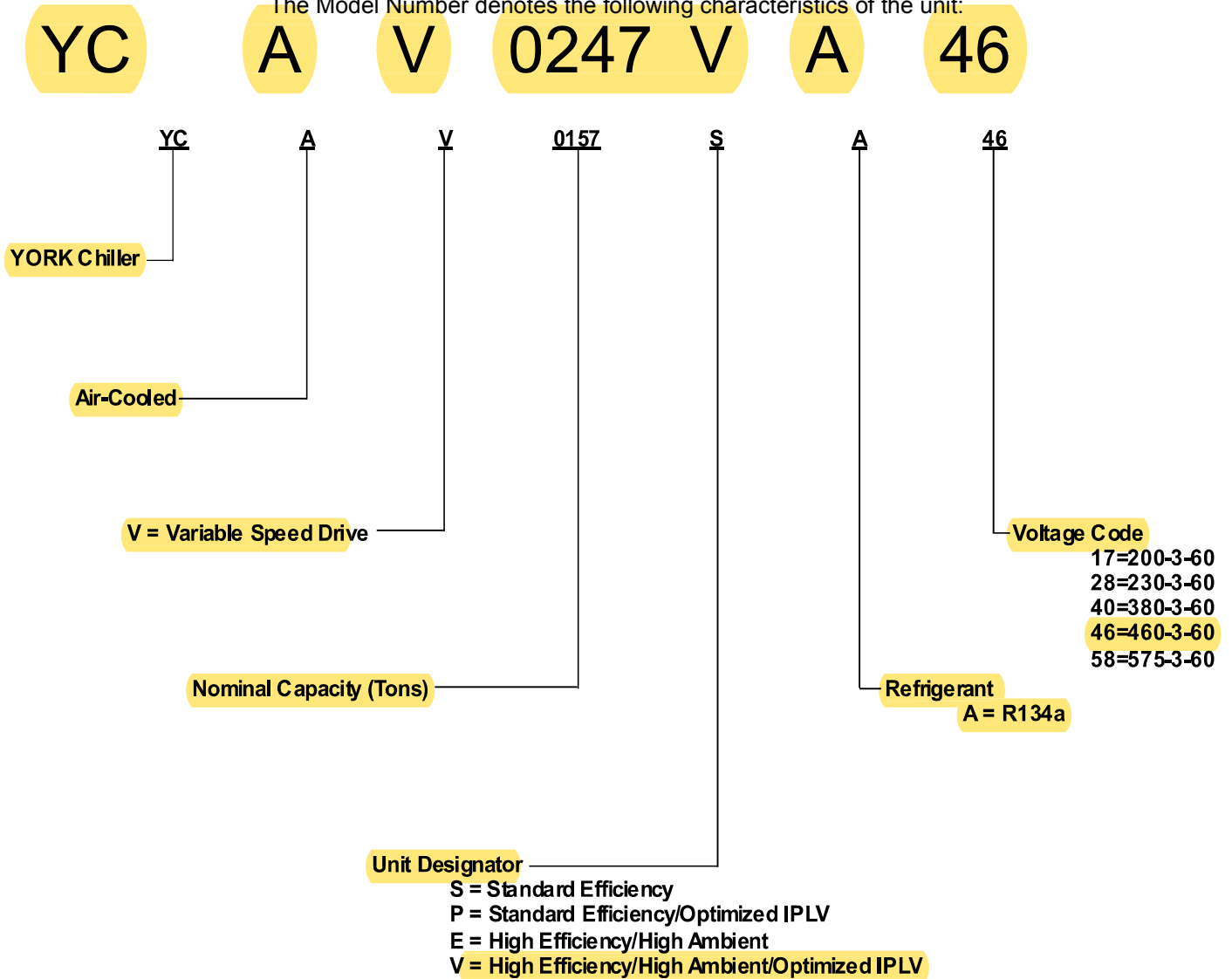
140-200 Tons

150 - 515 TONS
(527 - 1804 kW)
60 Hz
ASHRAE 90.1 Compliant



NOMENCLATURE

The Model Number denotes the following characteristics of the unit:



Physical Data (English - High Efficiency)

FORM 201.21-EG1 (206)

Refrigerant R-134a	HIGH EFFICIENCY						
	MODEL NUMBER (YCAV E/V)						
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, Semihermetic 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

Contact your nearest York Sales Office for weight data.

¹ Optional 300 PSIG Waterside available

