



BY JOHNSON CONTROLS

Model #: YCIV0917VA46VAB
Serial #: SNWM-791050

Year: 2011
Size: 197 Tons

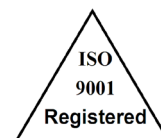


L: 22' 10" W: 7' 5" H: 7' 10"

***Air-Cooled Screw Liquid Chillers with Variable Speed Drive
Style A***



150-385 TONS (527-1354 kW) (60 Hz)
2 and 3 Compressor
150-440 TONS (527-1550 kW) (50 Hz)
2, 3 and 4 Compressor
ASHRAE 90.1 Compliant
HFC-134a

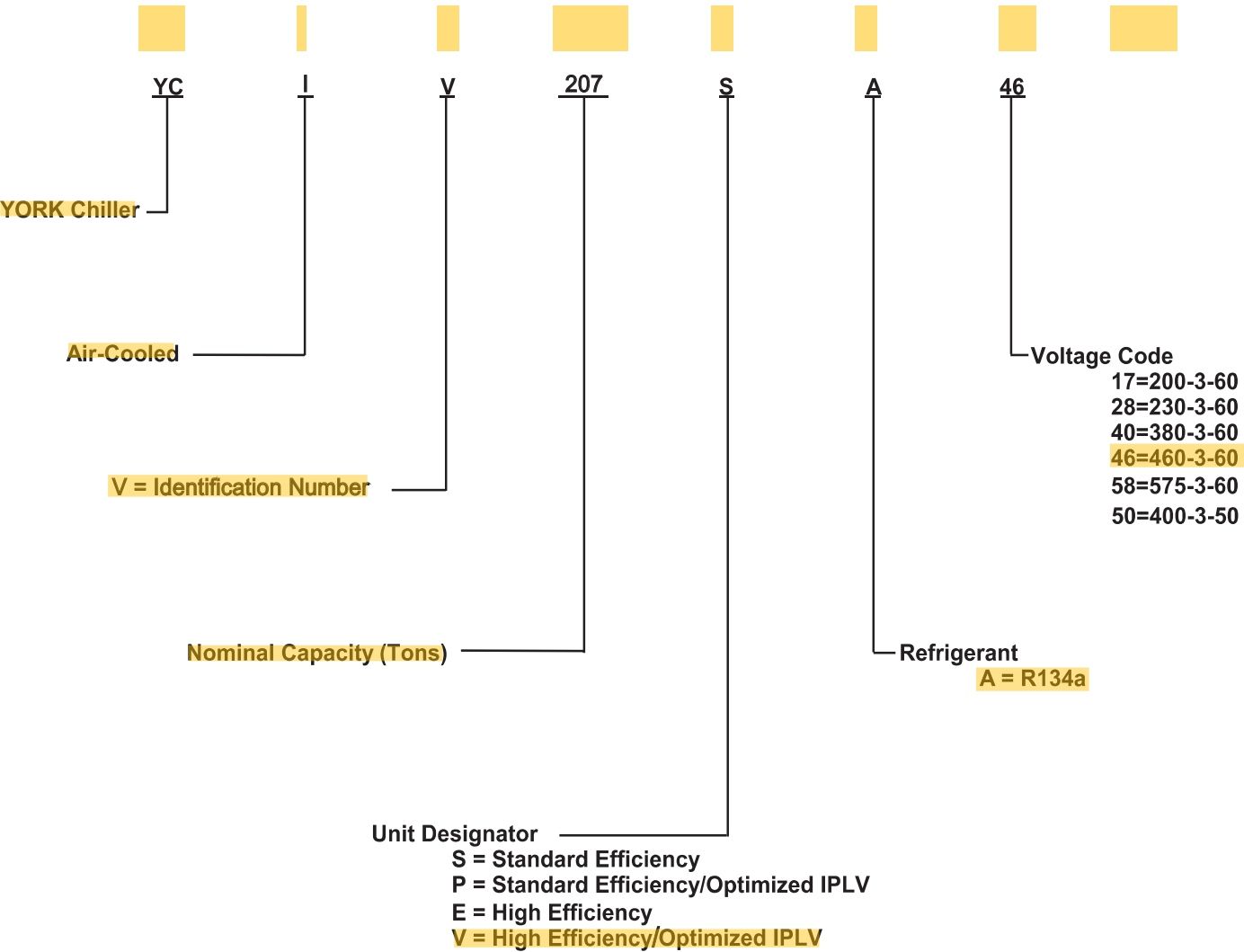


Products are produced at a facility whose quality-management systems are ISO9001 certified.



NOMENCLATURE

The Model Number denotes the following characteristics of the unit:

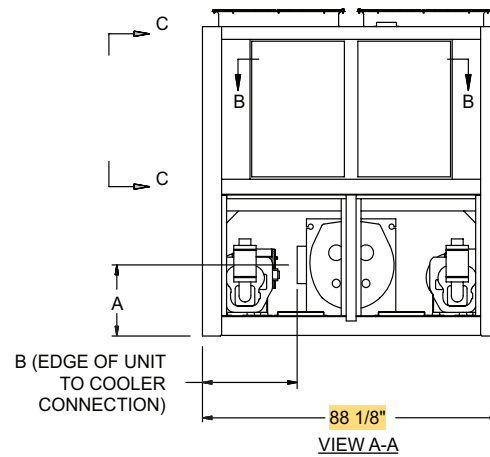
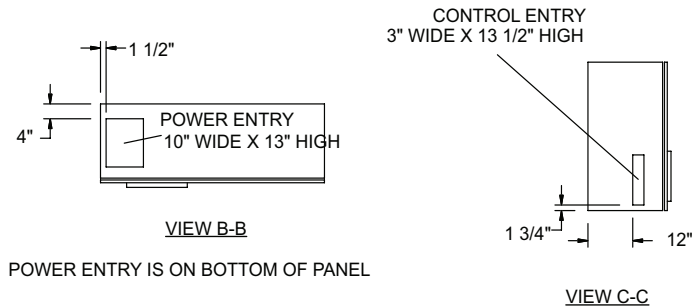


Physical Data (English - High Efficiency)

REFRIGERANT R-134A	HIGH EFFICIENCY							
	MODEL NUMBER (YCIV)							
GENERAL UNIT DATA	60Hz	0157	0177	0187	0197	0207	0227	0247
	50HZ	0590	0630	0700	0760	0800	0830	0930
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 NOISE FANS								
FAN MOTOR, HP		2	2	2	2	2	2	2
TOTAL CHILLER AIRFLOW, CFM		104000	117000	130000	130000	143000	156000	156000
ULTRA QUIET FANS								
FAN MOTOR, HP		2	2	2	2	2	2	2
TOTAL CHILLER AIRFLOW, CFM		104000	117000	130000	130000	143000	156000	156000
DUAL SPEED FANS - NORMAL SPEED								
FAN MOTOR, HP		2	2	2	2	2	2	2
TOTAL CHILLER, CFM		88000	99000	110000	110000	121000	132000	132000
DUAL SPEED FANS - LOWER SPEED								
FAN MOTOR, HP		2	2	2	2	2	2	2
TOTAL CHILLER, CFM		67200	75600	84000	84000	92400	100800	100800
HIGH STATIC FANS								
FAN MOTOR, HP		5	5	5	5	5	5	5
TOTAL CHILLER, 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

Dimensions - English - continued

Models **YCIV0197E/V**, YCIV0207S/P, and YCIV0227S/P



YCIV	A	B	C	D
0197E/V	20.4"	28.1"	85.6"	112.3"
0207S/P	22.2"	26.0"	79.1"	113.3"
0227S/P	22.2"	26.0"	79.1"	113.3"

Notes:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation, and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air patterns and possible diminished performance. Johnson Controls' unit controls will optimize the operation without nuisance high pressure safety cutouts; however, the system designer **MUST** consider potential performance degradation.

Access to the unit control center stipulates the unit is no higher than on spring isolators. Recommended minimum clearances: side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions whatsoever; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

