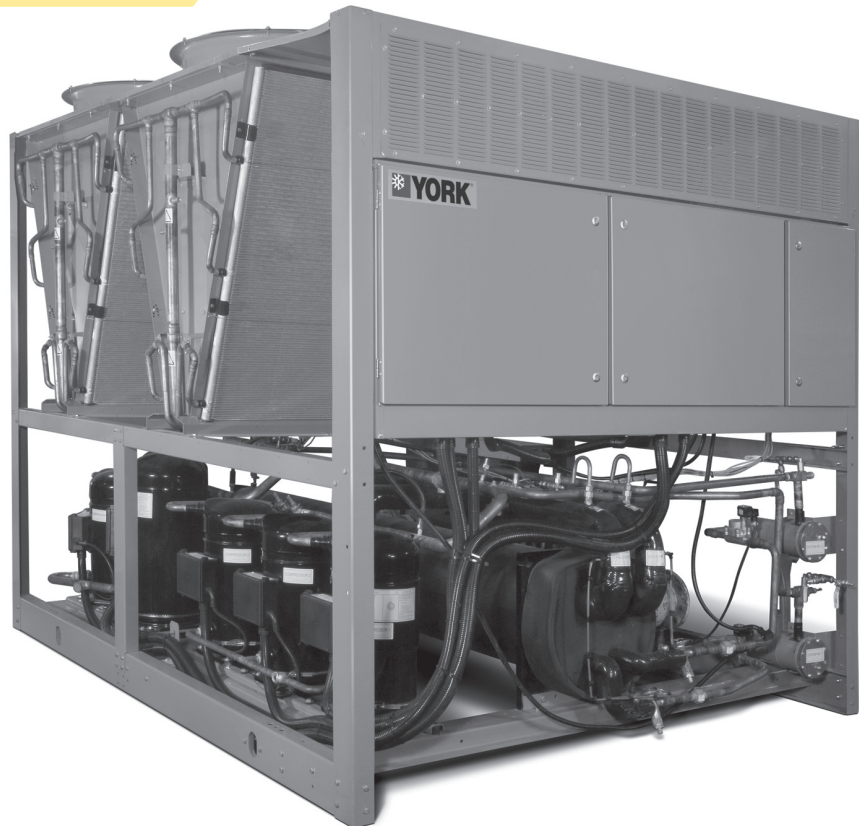




BY JOHNSON CONTROLS

Model #: YLAA0120SE46XAASXTXHTXBLXCXX44SXXXXXH

Serial #: 2GTM001338



2008
120 Ton

L: 11' 11"
W: 7' 4"
H: 7' 10"

Shipping Weight: 5,921 lbs
Operating Weight: 6,473 lbs

**Model YLAA Air-Cooled Scroll Chillers
Style A**



70 – 175 TON
246 – 527 kW
60 Hz
R-410A

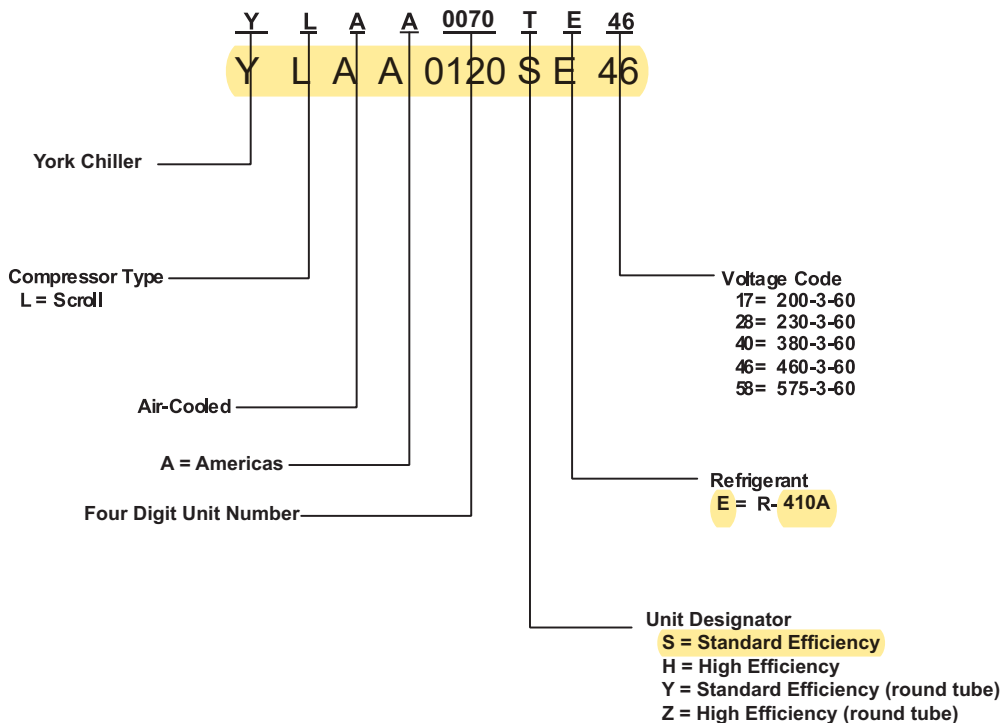


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NOMENCLATURE

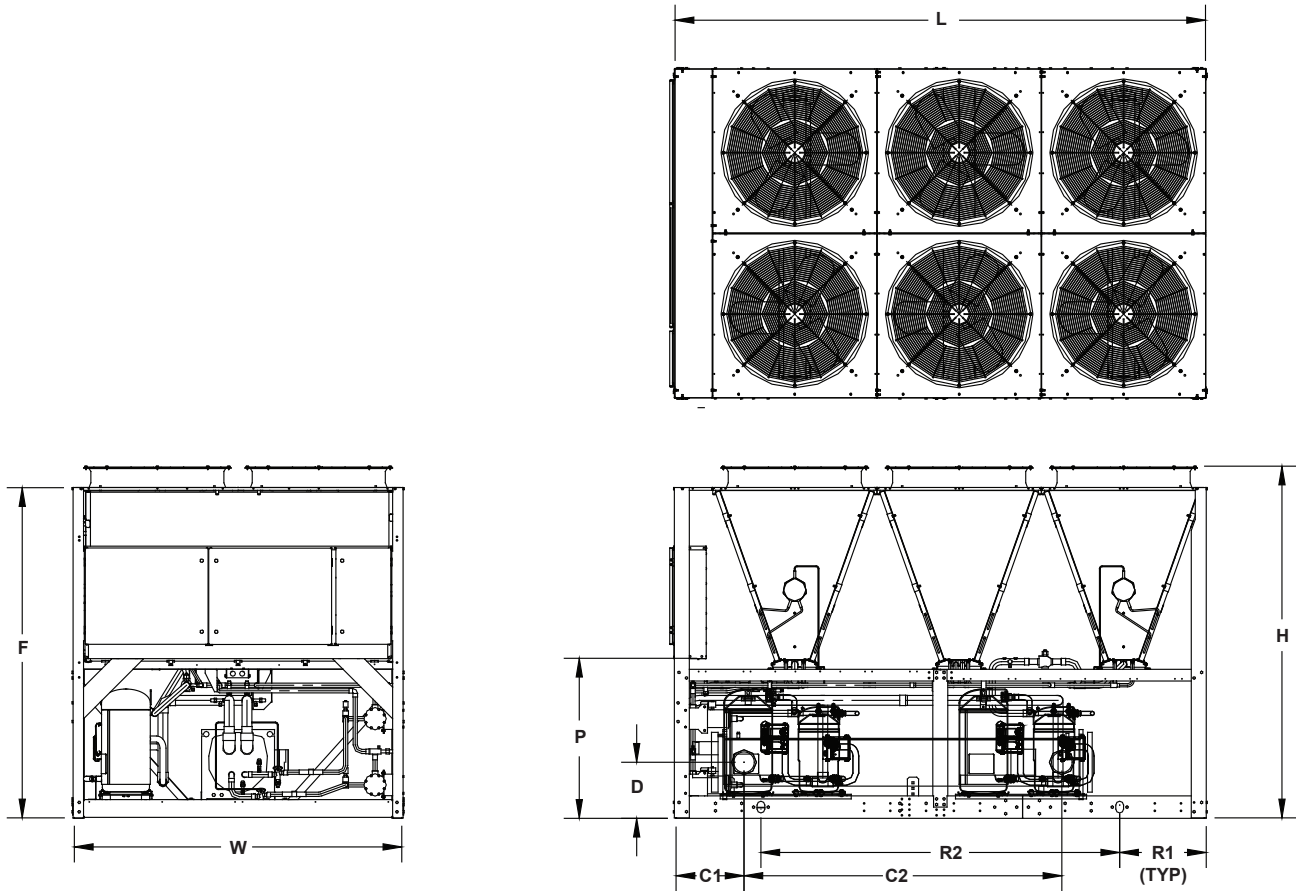
The model number denotes the following characteristics of the unit:



Physical Data - English

Refrigerant R-410A	Model Number YLAA									
	STANDARD EFFICIENCY UNITS									
	0070SE	0080SE	0090SE	0100SE	0115SE	0120SE	0135SE	0150SE	0155SE	0170SE
General Unit Data										
Nominal Tons, R-410A	71.8	77.7	85.8	95.8	113.9	119.7	127.3	140.4	143.1	167.9
Length	116.1	116.1	116.1	142.7	142.7	142.7	187.7	187.7	187.7	232.7
Width	88	88	88	88	88	88	88	88	88	88
Height	94.2	94.2	94.2	94.2	94.2	94	94.2	94.2	94.2	94.2
Number of Refrigerant Circuits	2	2	2	2	2	2	2	2	2	2
Refrigerant Charge, Operating										
R-410A, ckt1 / ckt2, lbs	51 / 50	54 / 52	57 / 57	55 / 58	62 / 58	65 / 62	81 / 71	81 / 73	83 / 76	90 / 87
Oil Charge, ckt1 / ckt2, gallons	2.58 / 2.58	3.28 / 2.58	3.28 / 2.76	3.28 / 3.33	3.33/3.33	3.33/3.33	4.99 / 2.76	4.99 / 3.33	4.99 / 3.33	4.99 / 4.99
Shipping Weight	4112	4541	4949	5407	5644	5921	6803	6958	7152	7972
Operating Weight	4450	4948	5435	5835	6072	6473	7260	7415	7705	8429
Compressors, scroll type										
Compressors per circuit	3/3	3/3	3/2	3/2	2/2	3/2	3/2	3/2	3/2	3/3
Compressors per unit	6	6	5	5	4	4	5	5	5	6
Nominal Tons per compressor										
Circuit 1	13	15	15	15	32	32	32	32	32	32
Circuit 2	13	13	15/32	32	32	32	15/32	32	32	32
Condenser										
Total Face Area ft ²	106.9	106.9	106.9	133.6	160.3	160.3	213.8	213.8	213.8	267.2
Number of Rows	1	1	1	1	1	1	1	1	1	1
Fins per Inch	20	20	20	20	20	20	20	20	20	20
Condenser Fans, Low Sound										
Number of Fans, ckt1./ckt2.	2/2	2/2	2/2	3/2	3/3	3/3	4/4	4/4	4/4	5/5
Fan hp	2	2	2	2	2	2	2	2	2	2
Fan RPM	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160
Total Chiller CFM	62400	62400	62400	78000	93600	93600	124800	124800	124800	156000
Evaporator										
Water Volume, gallons	40	49	58	51	51	66	55	55	66	55
Maximum Water Side Pressure, PSIG	150	150	150	150	150	150	150	150	150	150
Maximum Refrigerant Side Pressure, PSIG	450	450	450	450	450	450	450	450	450	450
Minimum Chiller Water Flow Rate, gpm	60	100	140	100	100	150	120	120	150	120
Maximum Chiller Water Flow Rate, gpm	285	355	625	385	385	625	625	625	625	625
Water Connections Size, inches	6	6	8	6	6	8	8	8	8	8

Dimensions - Six Fan Units



YLAA Model	L (length)	W (width)	H (height)	F	P	D	C1	C2	R4	R3	R2	R1
YLAA0091HE	143.5	88.3	94.2	88.5	42.8	15	18.6	85	NA	NA	96	23
YLAA0101HE	143.5	88.3	94.2	88.5	42.8	15	18.6	85	NA	NA	96	23
YLAA0115SE	143.5	88.3	94.2	88.5	42.8	15	18.6	85	NA	NA	96	23
YLAA0120SE	143.5	88.3	94.2	88.5	42.8	17.3	22	102	NA	NA	96	23

NOTE:

Placement on a level surface of free of obstructions (including snow, for winter operation) or air circulation ensures rated performance, reliable operation, and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable airflow patterns and possible diminished performance. Johnson Controls's unit controls will optimize operation without nuisance high-pressure safety cutouts; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall – 6'; rear to wall – 6'; control panel to end wall – 4'0"; top – no obstructions allowed; distance between adjacent units – 10'. No more than one adjacent wall may be higher than the unit.