NON REVERSING HEAT PUMP – Unit configured for optional operating mode controlled by leaving condenser water temperature. Temperature setpoint user adjustable from 86°F – 122°F (30°C – 50°C), default 122°F (50°C). While operating in this mode, chiller will stage compressors to maintain heating setpoint provided there is sufficient cooling demand. Unit can be changed from heat pump to chiller mode locally or through BAS. Unit leaving evaporator water temperature will float based on heating output while in this mode, making this option ideal for applications that do not require a constant evaporator leaving temperature or for multiple (series) chiller installations. Option requires factory startup and adds one day startup labor for field configuration. Requires evaporator leaving temperature above 40°F (4°C) while heat pump is in operation. **(Factory-Mounted)**

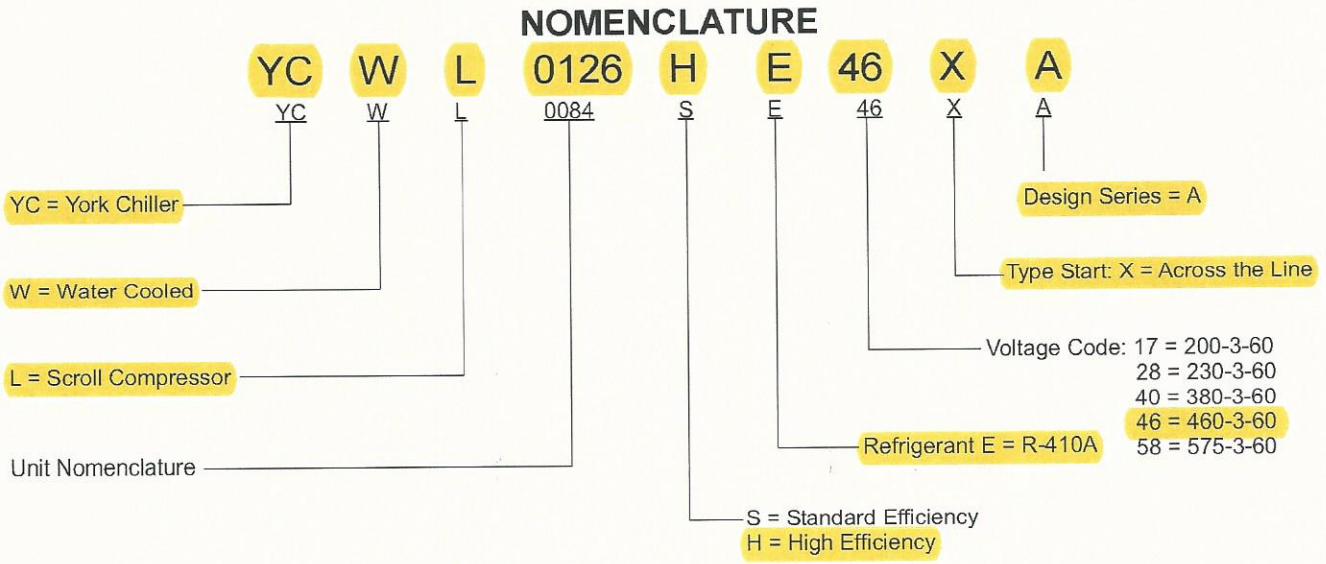
VIBRATION ISOLATION:

Elastomeric Isolation – Recommended for normal installations. Provides very good performance in most applications for the least cost. **(Field-mounted)**

1" Spring Isolators – Level adjustable, spring and cage type isolators for mounting under the unit base rails. 1" nominal deflection may vary slightly by application. **(Field-Mounted)**

2" Seismic Isolators – Restrained Spring-Flex Mountings incorporate a rugged welded steel housing with vertical and horizontal limit stops. Housings designed to withstand a minimum 1.0g accelerated force in all directions to 2". Level adjustable, deflection may vary slightly by application. **(Field-Mounted)**

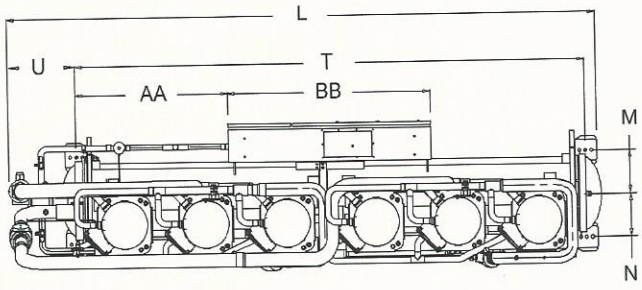
Nomenclature

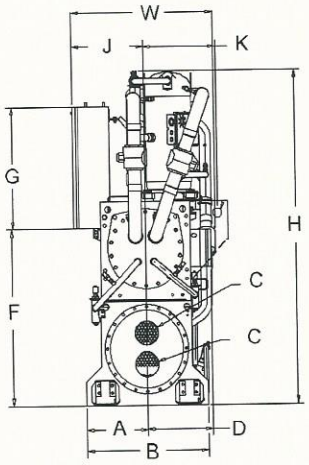


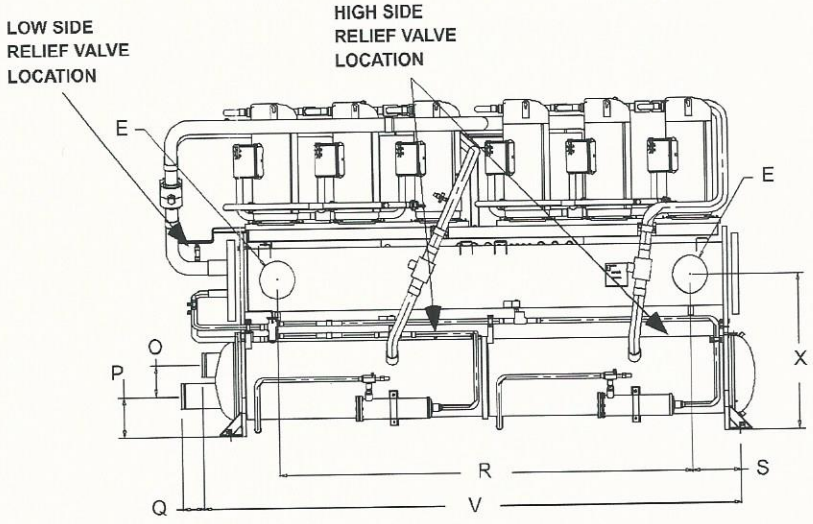
NOTES:

1. Recommended service clearances.
   - Rear to wall: 20" (508mm)
   - Front to wall: 36" (915mm)
   - Top: 43" (1092mm)
   - Tube cleaning and removal: 132" (3353 mm) either end

2. Relief valve connection sizes.
   - Low side (suction line): 1/2" flare
   - High side (condenser): 5/8" NPTI







Unit Dimensions - English - Five & Six Compressor

	Standard Efficiency (SE)		
YCWL	0156SE	0177SE	0198SE
W	34 13/16	34 13/16	34 13/16
H	76 17/32	77 9/32	77 9/32
H*	–	–	–
H**	–	76	76
L	143 7/16	143 7/16	143 7/16
A	15	15	15
B	30	30	30
C	5 9/16	5 9/16	5 9/16
D	16 1/32	16 1/32	16 1/32
E	8 5/8	8 5/8	8 5/8
F	41	41	41
G	29	29	29
J	17 11/16	17 11/16	17 11/16
K	17 25/32	17 25/32	17 25/32
M	10 3/8	10 3/8	10 3/8
N	10 3/8	10 3/8	10 3/8
O	8 5/8	8 5/8	8 5/8
P	8 1/2	8 1/2	8 1/2
Q	5 3/16	5 3/16	5 3/16
R	102	102	102
S	11 29/32	11 29/32	11 29/32
T	125 13/16	125 13/16	125 13/16
U	14 7/8	14 7/8	14 7/8
V	132 23/32	132 23/32	132 23/32
X	36 1/4	36 1/4	36 1/4
AA	35 17/32	37 21/32	37 21/32
BB	50	50	50

	High Efficiency (HE)		
0096HE	0126HE	0127HE	0156HE
35 1/16	34 13/16	34 13/16	34 13/16
72 5/32	77 19/32	77 19/32	77 9/32
–	–	–	–
76	76	76	76
143 3/8	145 7/32	145 7/32	143 7/16
15	15	15	15
30	30	30	30
5 9/16	5 9/16	5 9/16	5 9/16
16 1/32	16 1/32	16 1/32	16 1/32
8 5/8	8 5/8	8 5/8	8 5/8
41	41	41	41
29	29	29	29
17 11/16	17 11/16	17 11/16	17 11/16
17 25/32	17 25/32	17 25/32	17 25/32
10 3/8	10 3/8	10 3/8	10 3/8
10 3/8	10 3/8	10 3/8	10 3/8
8 5/8	8 5/8	8 5/8	8 5/8
8 1/2	8 1/2	8 1/2	8 1/2
5 3/16	5 3/16	5 3/16	5 3/16
102	102	102	102
11 29/32	11 29/32	11 29/32	11 29/32
125 13/16	125 13/16	125 13/16	125 13/16
14 13/16	16 21/32	16 21/32	14 7/8
132 23/32	132 23/32	132 23/32	132 23/32
36 1/4	36 1/4	36 1/4	36 1/4
37 21/32	34 31/32	34 31/32	37 21/32
50	50	50	50

H* - for 200/230 volt units, which require a larger electrical enclosure

H** - for multiple point circuit breaker units, 200/230 volt, which require a larger electrical enclosure

High Efficiency (HE)

YCWL	0064HE	0074HE	0084HE	0094HE	0096HE	0118HE	0126HE	0127HE	0156HE	0157HE
General Unit Data										
Nominal Unit Capacity (Tons)	62.4	72.7	82.6	89.4	94.6	117.2	123.7	132.1	144.9	148.5
Number of Independent Refrigerant Circuits	2	2	2	2	2	2	2	2	2	2
Refrigerant Charge, R-410A, Ckt 1/Ckt. 2 (lbs.)	65/65	90/90	90/90	155/155	170/170	155/155	180/180	180/180	195/195	195/195
Oil Charge, Ckt. 1/Ckt. 2, (gal.)	2.2/2.2	2.5/2.2	2.5/2.5	3.1/2.5	3.3/3.3	3.3/3.1	3.7/3.7	3.7/3.7	4.7/4.7	4.7/4.7
Shipping Weight (lbs.)	4533	4911	5089	5773	6253	5905	7087	7087	7889	7889
Operating Weight (lbs.)	4848	5406	5584	6412	6981	6544	7975	7975	8833	8833
Compressors, Scroll										
Quantity per Chiller	4	4	4	4	6	4	6	5	6	4
Nominal Size Ckt. 1/ Ckt. 2	15-15/15-15	20-20/15-15	20-20/20-20	25-25/20-20	15-15-15/ 15-15-15	32-32/25-25	20-20-20/ 20-20-20	20-20-20/ 32-32	25-25-25/ 25-25-25	35-35/ 35-35
Condenser										
Water Volume (gal.)	26.9	26.9	26.9	44.1	52.4	44.1	52.4	52.4	59.1	59.1
Maximum Water Side Pressure (psig)	150	150	150	150	150	150	150	150	150	150
Maximum Refrigerant Side Pressure (psig)	560	560	560	560	560	560	560	560	560	560
Dia. X Length (inches X feet)	14" X 8'	14" X 8'	14" X 8'	18" X 8'	18" X 10'	18" X 8'	18" X 10'	18" X 10'	18" X 10'	18" X 10'
Water Nozzle Connection Size, (inches)	4	4	4	5	5	5	5	5	5	5
Evaporator										
Water Volume (gals.)	37.3	59.8	59.8	59.8	57.6	59.8	77	77	77	77
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
Dia. X Length (inches X feet)	13" X 8'	16" X 8'	16" X 8'	16" X 8'	15" X 10'	16" X 8'	17" X 10'	17" X 10'	17" X 10'	17" X 10'
Water Nozzle Connection Size, (inches)	6	8	8	8	8	8	8	8	8	8