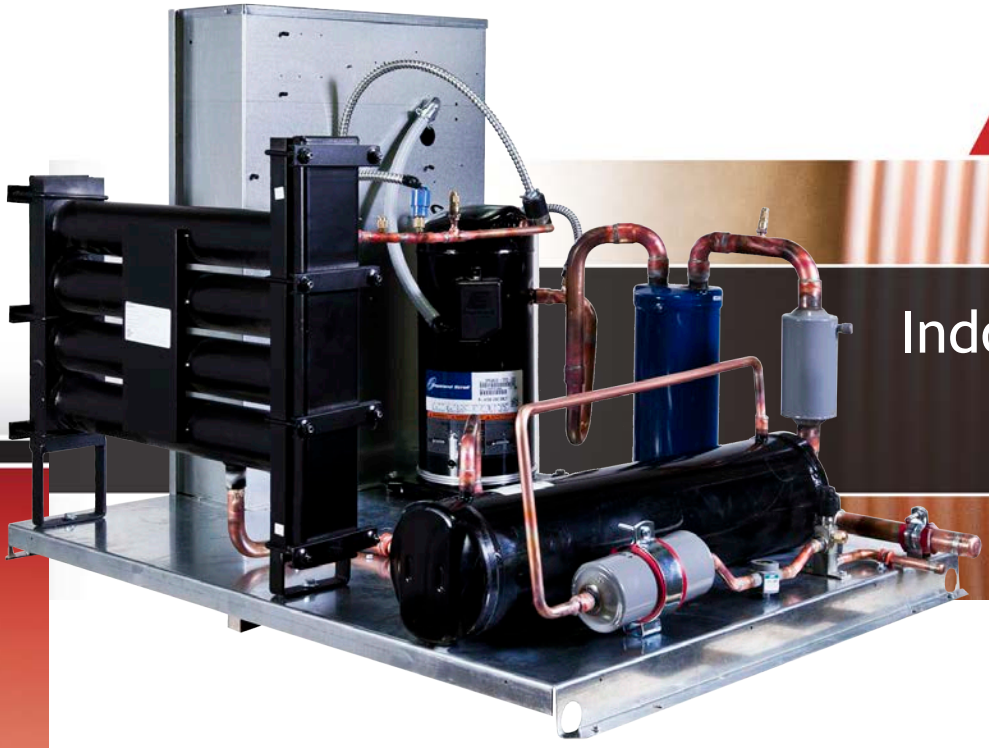


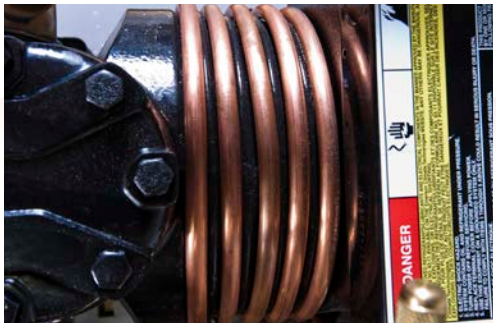
KW Series

Indoor Water Cooled Condensing Units

1/2 through 40 H.P.

The KW series of outdoor water cooled condensing units feature R-404A and R-22 refrigerants. Designed to be compact, yet serviceable, it offers a full selection of standard and optional features. Its narrow profile allows it to easily fit through doorways and it's small footprint maximizes use of premium floor space. An optional stacking rack can further enhance floor space utilization on multiple unit installations.

KRAMER



c UL us

Standard Features:

- Discus, Semi-hermetic, Hermetic or Scroll compressor
- Suction and discharge service valves *(as required)*
- Compressor spring mounts *(as required)*
- High and Low pressure controls
- Coaxial condenser for base mounted units
- Cleanable shell and tube condenser for rail mount units
- Contactor box
- Compressor contactor or start kit *(as required)*

Optional Features:

- Large electrical control panel
- Crankcase heater
- Liquid line assembly *(sight glass and filter)*
- Suction line assembly *(filter and vibration absorber)*
- Suction Accumulator
- Oil Separator
- Air or Electric Defrost provisions *(requires optional control panel)*
- Pumpdown toggle switch
- Water regulating valve
- Two tier stacking rack

201 Thomas French Drive, Scottsboro, AL 35769 PHONE (770) 788-5800 FAX (770) 788-5820 **kramer.htpgusa.com**

Performance @ 105° F Condensing Temperature

	REF. TYPE	MODEL NUMBER	NOM H.P.	CAPACITY (BTUH) AT SUCTION TEMPERATURE (°F)										Gallons per Minute	Press. Drop (P.S.I.)
				40°	30°	25°	20°	10°	0°	-10°	-20°	-30°	-40°		
HERMETIC	MED TEMP 404A	KWH050M44	1/2	----	----	6300	5500	4060	2950	2100	----	----	----	1.7	1.5
		KWH075M44	3/4	----	----	9900	8700	6790	5190	3770	1600	----	----	2.2	2.8
		KWH101M44	1	----	----	13320	11850	9230	6970	4980	3200	----	----	4.1	2.4
		KWH150M44	1 1/2	----	----	17440	15280	11500	8330	5640	----	----	----	5.1	3.5
		KWH201M44	2	----	----	25900	22990	17600	12730	8350	----	----	----	5.7	2.8
		KWH300M44	3	----	----	29380	25510	19120	14130	10050	----	----	----	8.9	5.9
		KWH400M44	4	----	43570	38580	33790	24930	17330	11300	7160	----	----	12.4	7.1
		KWH500M44	5	----	50840	44990	39640	30320	22580	16150	----	----	----	13.4	6.1
	LOW TEMP 404A	KWH050L44	1/2	----	----	----	5500	4060	2950	2100	1450	----	----	1.0	0.5
		KWH075L44	3/4	----	----	----	8700	6800	5200	3750	2030	----	----	1.3	1.0
		KWH100L44	1	----	----	----	11800	9220	6960	4980	2350	----	----	2.4	2.6
		KWH165L44	1 1/2	----	----	----	----	14600	11400	8550	6010	3930	2350	3.0	4.5
		KWH215L44	2	----	----	----	----	23700	17200	12450	8816	6040	3690	3.9	2.2
		KWH315L44	3	----	----	----	39600	30300	22570	16150	10750	----	----	5.2	3.2
	HIGH TEMP 22	KWH051H22	1/2	6380	5020	4430	3890	2960	2240	----	----	----	----	2.5	2.7
		KWH075H22	3/4	9790	7740	6830	5980	4460	3090	----	----	----	----	2.2	2.2
		KWH100H22	1	14220	11310	10020	8810	6600	4550	----	----	----	----	3.5	5.9
		KWH151H22	1 1/2	20200	15500	13400	11600	8330	5760	----	----	----	----	4.8	3.2
		KWH201H22	2	26100	20100	17500	15100	10900	7520	----	----	----	----	6.9	5.5
		KWH251H22	2 1/2	33800	26700	23500	20500	15050	10190	----	----	----	----	7.8	4.7
		KWH301H22	3	41200	32300	28300	24600	18300	----	----	----	----	----	10.0	4.8
		KWH401H22	4	53700	42400	37300	31700	24600	17900	----	----	----	----	14.1	6.6
		KWH500H22	5	63800	51110	45400	40100	30500	21700	----	----	----	----	12.7	5.5
SEMI-HERMETIC	MED TEMP 404A	KWS100M44	1	----	----	9900	9000	7200	5600	----	----	----	----	2.2	2.8
		KWS200M44	2	----	----	16400	14500	11600	9200	----	----	----	----	4.0	2.4
		KWS300M44	3	----	----	30000	26800	21100	16400	----	----	----	----	6.8	5.4
	MED / HIGH TEMP	KWS075H22	3/4	9460	7430	6540	5720	4270	3050	----	----	----	----	2.7	3.1
		KWS100H22	1	12800	10270	9150	8130	6340	4890	----	----	----	----	3.2	5.1
		KWS150H22	1 1/2	16620	13330	11850	10480	8040	5950	----	----	----	----	4.1	2.4
		KWS200H22	2	22600	18200	16200	14400	11100	7880	----	----	----	----	6.2	4.9
		KWS300H22	3	36700	29400	26200	23200	17900	13600	----	----	----	----	11.0	8.4
	LOW TEMP 404A	KWS050L44	1/2	----	----	----	----	----	3600	2700	1900	1200	710	0.7	0.4
		KWS075L44	3/4	----	----	----	----	----	5800	4300	3100	2200	1390	1.8	1.2
		KWS100L44	1	----	----	----	----	----	7800	6000	4500	3200	2210	1.6	1.4
		KWS150L44	1 1/2	----	----	----	----	----	11400	8900	6700	4900	3550	2.0	2.4
		KWS200L44	2	----	----	----	----	----	15400	11800	8800	6300	4270	3.8	6.8
		KWS300L44	3	----	----	----	----	----	25600	18870	13550	9140	5670	6.1	4.7
	LOW TEMP 22	KWS050L22	1/2	----	----	----	----	----	3430	2480	1680	1030	536	1.1	0.6
		KWS075L22	3/4	----	----	----	----	----	5430	4070	2960	2030	1270	1.4	0.8
		KWS100L22	1	----	----	----	----	----	7200	5460	4000	2820	1920	2.1	2.1
		KWS200L22	2	----	----	----	----	----	8350	6180	4500	3190	2130	1.8	2.1
		KWS201L22	2	----	----	----	----	----	11800	8770	6260	4200	2540	3.4	5.7
		KWS202L22	2	----	----	----	----	----	14800	12900	7800	5350	3800	3.2	5.2
		KWS300L22	3	----	----	----	----	----	23000	17200	12000	7960	5270	5.3	3.7
SCROLL	MED TEMP 404A /22†	KWO200M44	2	25700	21400	19400	17700	14400	11700	----	----	----	----	7.4	6.2
		KWO250M44	2 1/2	31700	26600	23900	21700	17800	14500	----	----	----	----	6.9	3.8
		KWO300M44	3	35200	29300	26600	24100	19800	16100	----	----	----	----	9.0	6
		KWO301M44	3	43800	36400	33000	30000	24500	20000	----	----	----	----	10.9	5.6
		KWO400M44	4	50000	42400	38600	35000	28500	22900	----	----	----	----	11.7	4.8
		KWO600M44	6	62400	52000	47200	42800	35000	28500	----	----	----	----	15.4	5.3
		KWO650M44	6 1/2	----	61900	56300	51100	41900	34000	----	----	----	----	15.2	5.2
	LOW TEMP 404A	KWO200L44	2	----	----	----	----	----	11400	9200	7400	5800	4400	3.3	5.3
		KWO250L44	2 1/2	----	----	----	----	----	14500	11700	9400	7400	5700	4.4	2.6
		KWO300L44	3	----	----	----	----	----	16300	13200	10500	8300	6400	4.4	2.8
		KWO301L44	3	----	----	----	----	----	20200	16200	12900	10200	7900	6.8	5.9
		KWO400L44	4	----	----	----	----	----	23800	19100	15000	11480	8600	8.1	7.2
		KWO500L44	5	----	----	----	----	----	28900	23300	18500	14500	11100	7.5	4.4
		KWO600L44	6	----	----	----	----	----	34500	27700	22000	17300	13300	8.8	3.9
DISCUS	404A MED	KWD500M44	5	77200	62600	56000	49800	39100	----	----	----	----	----	17.4	9.8
		KWD600M44	6	94000	76200	68300	61000	48200	----	----	----	----	----	22.0	1.2
	LOW TEMP 404A	KWD300L44	3	----	----	----	----	----	32800	25300	19000	13900	9570	6.0	3
		KWD400L44	4	----	----	----	----	----	39200	30400	23100	17000	11890	8.1	5
		KWD500L44	5	----	----	----	----	----	44300	34700	26600	19900	14090	8.8	3.9
	R-22	KWD500H22	5	73400	58900	52500	46600	36000	----	----	----	----	----	16.2	7.3
	LOW TEMP 22	KWD300L22	3	----	----	----	----	----	30200	22100	16000	11200	7180	7.2	5.9
		KWD400L22	4	----	----	----	----	----	35400	26700	19300	13300	8660	6.4	3.4
		KWD500L22	5	----	----	----	----	----	41200	31000	22500	15600	10200	12.1	6.8

GPM & P.S.I. @ Highest Evap. Rating 85° Ewt.

† - DEDUCT 2% FOR R-22 MED. SCROLL UNIT TO ACHIEVE APPROXIMATE CAPACITY.

COMP. TYPE	REF TYPE	MODEL NUMBER	COMPR. NUMBER	AMPS @ 230/1/60 *			AMPS @ 208/230/3/60			AMPS @ 460/3/60		
				COMPRESSOR		MCA	COMPRESSOR		MCA	COMPERSSOR		MCA
				RLA	LRA		RLA	LRA		RLA	LRA	
HERMETIC	MED TEMP 404A	KWH050M44	RST45C1E	5.4	24.1	15	----	----	----	----	----	----
		KWH075M44	RST70C1E	7.0	34.2	15	4.7	31.0	15	----	----	----
		KWH101M44	RST97C1E	11.0	51.0	15	7.0	35.0	15	----	----	----
		KWH150M44	CS12K6E	10.9	56.0	15	7.5	51.0	15	----	----	----
		KWH201M44	CS18K6E	16.0	82.0	22	10.4	65.0	15	----	----	----
		KWH300M44	CS20K6E	18.0	96.0	30	11.4	75.0	20	----	----	----
		KWH400M44	CS27K6E	23.9	95.4	35	15.3	82.0	25	----	----	----
		KWH500M44	CS33K6E	30.7	125.0	40	20.7	90.0	27	8.6	45.0	15
	LOW TEMP 404A	KWH050L44	RST43C1E	5.4	24.1	15	----	----	----	----	----	----
		KWH075L44	RST70C1E	7.0	34.2	15	4.7	31.0	15	----	----	----
		KWH100L44	RST97C1E	11.0	51.0	15	7.0	35.0	15	----	----	----
		KWH165L44	CF06K6E	11.4	59.2	16	7.0	52.0	15	----	----	----
		KWH215L44	CF09K6E	16.7	87.0	22	10.2	72.2	30	----	----	----
		KWH315L44	CF12K6E	20.5	105.0	27	12.3	85.0	30	5.9	42.0	15
	HIGH TEMP 22	KWH051H22	ART82C1	5.9	30.0	15	----	----	----	----	----	----
		KWH075H22	RSE-0075	7.1	35.5	15	----	----	----	----	----	----
		KWH100H22	RS70C1	7.0	34.2	15	4.7	31.0	15	----	----	----
		KWH151H22	CR18KQ	9.0	41.0	15	6.0	49.0	15	----	----	----
		KWH201H22	CR24KQ	13.5	70.5	18	7.5	40.0	15	----	----	----
		KWH251H22	CR33KQ	16.0	75.0	22	10.6	69.0	15	4.7	31.6	15
		KWH301H22	CR41KQ	19.4	109.6	26	13.1	80.0	18	8.9	42.0	15
		KWH401H22	CR53KQ	29.0	140.0	38	18.0	107.0	24	9.1	55.0	15
		KWH500H22	CRN-0500	34.3	142.0	44	21.4	130.0	28	9.6	50.0	15
SEMI-HERMETIC	MED TEMP 404A	KWS100M44	KAR-010E	7.4	40.0	15	4.3	27.0	15	----	----	----
		KWS200M44	KAK-021E	10.6	55.0	15	6.8	50.0	15	----	----	----
		KWS300M44	ERF-031E	----	----	----	12.4	82.0	17	5.8	41.0	15
	MED / HIGH TEMP R-22	KWS075H22	KAN-0075	6.1	36.0	15	3.5	19.9	15	----	----	----
		KWS100H22	KAR-010E	7.4	40.0	15	4.3	27.0	15	----	----	----
		KWS150H22	KAG-0150	9.6	55.0	15	5.5	35.5	15	----	----	----
		KWS200H22	KAK-020E	10.5	55.0	15	6.8	50.0	15	----	----	----
		KWS300H22	ERF-031E*	17.0	86.0	25	12.4	82.0	17	5.8	41.0	15
	LOW TEMP 404A	KWS050L44	KAN-005E	3.6	24.0	20	2.2	13.2	20	----	----	----
		KWS075L44	KAM-007E	5.6	36.0	20	3.2	19.9	20	----	----	----
		KWS100L44	KAJ-010E	6.9	40.0	25	4.5	27.0	25	----	----	----
		KWS150L44	KAL-015E	9.9	55.0	30	6.6	50.0	30	----	----	----
		KWS200L44	EAV-021E	14.7	102.0	30	7.4	50.0	30	----	----	----
		KWS300L44	LAH-032E*	16.7	105.0	30	12.8	112.0	30	6.0	56.0	15
	LOW TEMP 22	KWS050L22	KAN-005E	3.6	24.0	20	----	----	----	----	----	----
		KWS075L22	KAM-007E	5.6	36.0	20	3.2	19.9	20	----	----	----
		KWS100L22	KAJ-010E	6.9	40.0	25	3.4	27.0	25	----	----	----
		KWS200L22	KAK-021E	10.6	55.0	30	6.8	50.0	30	----	----	----
		KWS201L22	EAD-020E	8.4	58.0	30	6.8	46.0	30	----	----	----
		KWS202L22	EAV-021E*	14.7	102.0	30	7.4	50.0	30	----	----	----
		KWS300L22	LAH-032E*	16.7	105.0	31	12.8	112.0	30	6.0	56.0	15
SCROLL	LOW TEMP	KWO200M44/22	ZS15K4E	13.6	61.0	18	9.3	55.0	15	4.3	27.0	15
		KWO250M44/22	ZS19K4E	16.4	73.0	22	9.7	63.0	15	5.0	31.0	15
		KWO300M44/22	ZS21K4E	16.4	88.0	22	11.1	77.0	15	5.7	39.0	15
		KWO301M44/22	ZS26K4E	20.7	109.0	27	13.6	88.0	18	7.1	44.0	15
		KWO400M44/22	ZS30K4E	26.8	129.0	35	15.0	99.0	20	8.2	49.5	15
		KWO600M44/22	ZS38K4E	31.8	169.0	41	21.4	123.0	28	9.6	62.0	15
		KWO650M44/22	ZS45K4E	31.8	169.0	41	21.4	123.0	28	9.6	62.0	15
	LOW TEMP	KWO200L44	ZF06K4E	13.6	61.0	18	9.3	55.0	15	4.3	27.0	15
		KWO250L44	ZF08K4E	16.4	73.0	22	9.7	63.0	15	5.0	31.0	15
		KWO300L44	ZF09K4E	16.4	88.0	22	11.1	77.0	15	5.7	39.0	15
		KWO301L44	ZF11K4E	20.7	109.0	27	13.6	88.0	18	7.1	44.0	15
		KWO400L44	ZF13K4E	26.8	129.0	35	15.0	99.0	20	8.2	49.5	15
		KWO500L44	ZF15K4E	31.5	169.0	41	21.4	123.0	28	9.6	62.0	15
		KWO600L44	ZF18K4E	----	----	----	23.9	156.0	31	9.3	70.0	15
DISCUS	404A MED	KWD500M44	2DD-R63KE	----	----	----	22.3	120.0	29	10.5	60.0	15
		KWD600M44	2DL-R78KE	----	----	----	31.6	169.0	44	13.8	85.0	20
	LOW TEMP 404A	KWD300L44	2DF-F16KE	----	----	----	16.8	102.0	31	8.1	52.0	15
		KWD400L44	2DL-F20KE	----	----	----	26.3	161.0	47	10.2	60.0	20
		KWD500L44	2DA-F23KE	----	----	----	28.8	161.0	54	10.2	60.0	22
	R-22	KWD500H22	2DD-R63KE	----	----	----	22.3	120.0	29	10.5	60.0	15
	LOW TEMP R-22	KWD300L22	2DF-F16KE	----	----	----	16.8	102.0	31	8.1	52.0	15
		KWD400L22	2DL-F20KE	----	----	----	26.3	161.0	47	10.2	60.0	20
		KWD500L22	2DA-F23KE	----	----	----	28.8	161.0	54	10.2	60.0	22

Performance @ 105° F Condensing Temperature

NOM. H.P.	REF. TYPE	MODEL NUMBER	BTUH CAPACITY AT SUCTION TEMPERATURE (°F)									
			40°	30°	25°	20°	10°	0°	-10°	-20°	-30°	-40°
3	22	KWS3H22	36700	29400	26200	23200	17900	13600	-----	-----	-----	-----
5	22	KWD5H22	73400	58900	52500	46600	36000	-----	-----	-----	-----	-----
7.5	22	KWD7H22	101300	81300	72400	64400	50800	-----	-----	-----	-----	-----
7.5	22	KWD8H22	123800	100700	90500	81100	64400	-----	-----	-----	-----	-----
10	22	KWD10H22	143900	117800	106300	95600	76900	-----	-----	-----	-----	-----
15	22	KWD15H22	191200	155500	139500	124700	98000	-----	-----	-----	-----	-----
20	22	KWD20H22	210500	171100	153400	137000	107900	-----	-----	-----	-----	-----
25	22	KWD25H22	275000	224000	200500	164500	127500	-----	-----	-----	-----	-----
30	22	KWD30H22	325500	261000	234000	209000	163500	-----	-----	-----	-----	-----
35	22	KWD35H22	390500	317000	285500	255500	204500	-----	-----	-----	-----	-----
40	22	KWD40H22	468500	384500	346500	311000	248000	-----	-----	-----	-----	-----
3	404A	KWS3M44	-----	-----	30000	26800	21000	16400	-----	-----	-----	-----
5	404A	KWD5M44	77200	62600	56000	49800	39100	30200	23200	-----	-----	-----
6	404A	KWD6M44	94000	76200	68300	61000	48300	37700	29200	-----	-----	-----
7.5	404A	KWD7M44	107600	87600	78800	70700	56600	44800	34900	-----	-----	-----
7.5	404A	KWD8M44	126100	102700	92400	82800	66100	52200	40700	-----	-----	-----
10	404A	KWD10M44	148700	121600	109600	98700	79400	63000	49100	-----	-----	-----
12	404A	KWD12M44	203800	166100	149450	134200	107400	85200	66900	-----	-----	-----
15	404A	KWD15M44	204700	167200	150600	135400	108700	86300	67700	-----	-----	-----
20	404A	KWD20M44	218200	179000	161000	144200	114100	88700	67100	-----	-----	-----
25	404A	KWD25M44	272400	226300	204600	183800	146250	114900	91200	-----	-----	-----
30	404A	KWD30M44	333550	273000	245800	220500	175400	137500	106150	-----	-----	-----
35	404A	KWD35M44	422100	343600	309000	277300	221650	175200	136400	-----	-----	-----
40	404A	KWD40M44	482800	398900	360900	325500	261950	208100	163350	-----	-----	-----
3	22	KWS3L22	-----	-----	-----	-----	-----	23000	17200	12000	7960	5300
3	22	KWD3L22	-----	-----	-----	-----	-----	30200	22100	16000	11200	7200
4	22	KWD4L22	-----	-----	-----	-----	-----	35400	26700	19300	13300	8700
5	22	KWD5L22	-----	-----	-----	-----	-----	41200	31000	22500	15600	10200
6	22	KWD6L22	-----	-----	-----	-----	-----	49300	37200	27300	19400	13000
7.5	22	KWD8L22	-----	-----	-----	-----	-----	59100	45200	33800	24500	16700
9	22	KWD9L22	-----	-----	-----	-----	-----	71800	55000	40700	28800	19500
10	22	KWD10L22	-----	-----	-----	-----	-----	77700	59400	44100	31500	21200
12	22	KWD12L22	-----	-----	-----	-----	-----	85200	64300	46700	32000	19500
15	22	KWD15L22	-----	-----	-----	-----	-----	106900	82200	61400	43800	29200
22	22	KWD22L22	-----	-----	-----	-----	-----	125900	95500	72300	53400	35900
27	22	KWD27L22	-----	-----	-----	-----	-----	157000	121000	91400	66200	43400
30	22	KWD30L22	-----	-----	-----	-----	-----	188000	143400	108300	79600	53900
3	404A	KWS3L44	-----	-----	-----	-----	-----	25100	18900	13500	9100	5700
3	404A	KWD3L44	-----	-----	-----	-----	-----	32800	25300	19000	13900	9600
4	404A	KWD4L44	-----	-----	-----	-----	-----	39200	30400	23100	17000	11900
5	404A	KWD5L44	-----	-----	-----	-----	-----	44300	34700	26600	19900	14100
6	404A	KWD6L44	-----	-----	-----	-----	-----	53100	41600	32000	24000	17400
7.5	404A	KWD8L44	-----	-----	-----	-----	-----	62700	49100	37900	28600	20600
9	404A	KWD9L44	-----	-----	-----	-----	-----	76900	60200	46300	34700	25200
10	404A	KWD10L44	-----	-----	-----	-----	-----	85200	67500	52400	39500	28700
12	404A	KWD12L44	-----	-----	-----	-----	-----	88700	69500	54000	40800	28200
15	404A	KWD15L44	-----	-----	-----	-----	-----	114900	91100	71800	55200	39800
22	404A	KWD22L44	-----	-----	-----	-----	-----	138000	110200	86400	65400	46300
27	404A	KWD27L44	-----	-----	-----	-----	-----	175800	139400	107400	80000	57180
30	404A	KWD30L44	-----	-----	-----	-----	-----	198200	155900	120300	90300	64860

NOTES: 1. Increase (decrease) capacity 3% for each 5°F lower (higher) condensing temperature.

2. R-507 capacity ratings are similar to R-404A ratings. When ordering a R-507 model, change the model number suffix from 44 to 57

RUSSELL MODEL NUMBER	COMP. MODEL NUMBER	AMPS @ 208-230/3/60			AMPS @ 460/3/60			GPM REQ'D FOR 85°F EWT**	
		COMPRESSOR		MIN. CIRC	COMPRESSOR		MIN. CIRC	MAX	P.D.
		RLA	LRA	AMPACITY*	RLA	LRA	AMPACITY*	GPM	(PSI)
KWS3H22	ERF-0310	12.4	82.0	17	5.8	41.0	15	7.1	3.20
KWD5H22	2DD-R63KE	22.3	120.0	29	10.5	60.0	15	15.7	0.73
KWD7H22	2DA-R89KE	32.0	169.0	42	14.1	85.0	19	21.2	1.10
KWD8H22	3DA-R10ME	41.0	215.0	53	20.0	106.0	27	29.2	2.00
KWD10H22	3DB-R12ME	43.6	215.0	56	20.0	106.0	27	32.5	1.55
KWD15H22	3DS-R17ME	59.6	275.0	76	29.0	138.0	38	41.9	1.35
KWD20H22	4DA-R18ME	70.0	308.0	89	35.0	154.0	45	49.4	1.85
KWD25H22	4DH-R22ME	82.2	428.0	105	41.1	214.0	52	65.6	5.50
KWD30H22	4DJ-R28ME	94.0	470.0	120	47.0	235.0	60	48.6	1.45
KWD35H22	6DH-R35ME	107.0	565.0	136	53.5	283.0	68	66.7	2.65
KWD40H22	6DJ-R40ME	142.0	594.0	180	71.0	297.0	90	75.6	1.30
KWS3M44	ERF-031E	12.4	82.0	17	5.8	41.0	15	5.6	2.10
KWD5M44	2DD-R63KE	22.3	120.0	29	10.5	60.0	15	17.4	0.88
KWD6M44	2DA-R78KE	31.6	169.0	42	13.8	85.0	19	24.0	1.63
KWD7M44	2DA-R89KE	32.0	169.0	42	14.1	85.0	19	23.7	1.30
KWD8M44	3DA-R10ME	41.0	215.0	53	20.0	106.0	27	29.2	2.15
KWD10M44	3DB-R12ME	43.6	215.0	56	20.0	106.0	27	35.4	1.85
KWD12M44	3DF-R15ME	48.2	275.0	63	23.6	138.0	31	41.2	1.30
KWD15M44	3DS-R17ME	59.6	275.0	76	29.0	138.0	38	48.6	1.80
KWD20M44	4DA-R18ME	66.0	308.0	84	33.0	154.0	43	52.8	2.10
KWD25M44	4DH-R22ME	82.2	428.0	105	41.1	214.0	52	65.7	5.50
KWD30M44	4DJ-R28ME	94.0	470.0	120	45.0	235.0	58	52.8	1.70
KWD35M44	6DH-R35ME	107.0	565.0	136	55.0	260.0	70	71.0	3.00
KWD40M44	6DJ-R40ME	142.0	594.0	180	70.0	315.0	90	78.7	1.35
KWS3L22	LAH-0310/1	10.7	82.0	16	5.2	41.0	15	0.6	2.00
KWD3L22	2DF-F16KE	16.8	102.0	23	8.1	52.0	15	9.1	4.56
KWD4L22	2DL-F20KE	26.3	161.0	35	10.2	60.0	15	7.6	3.70
KWD5L22	2DA-F23KE	28.8	161.0	38	10.2	60.0	15	9.6	5.80
KWD6L22	3DA-F28KE	26.5	150.0	36	12.0	77.0	17	13.2	10.7
KWD8L22	3DB-F33KE	31.5	161.0	42	16.1	83.0	22	14.3	0.65
KWD9L22	3DF-F40KE	39.0	215.0	51	16.9	106.0	23	16.0	0.75
KWD10L22	3DS-F46KE	42.0	215.0	55	18.6	106.0	25	22.0	1.40
KWD12L22	4DA-F47KE	42.0	240.0	55	21.0	120.0	28	20.6	1.00
KWD15L22	4DL-F63KE	52.6	278.0	68	26.3	139.0	35	29.7	2.00
KWD22L22	4DT-F76KE	66.0	374.0	85	33.0	187.0	43	35.1	1.80
KWD27L22	6DL-F93KE	80.8	450.0	103	40.4	225.0	51	40.0	1.20
KWD30L22	6DT-F11ME	95.6	470.0	122	47.8	235.0	55	53.6	2.15
KWS3L44	LAH-032E	12.8	112.0	18	6.2	56.0	15	7.1	2.80
KWD3L44	2DF-F16KE	16.8	102.0	23	8.1	52.0	15	7.0	1.20
KWD4L44	2DL-F20KE	26.3	161.0	35	10.2	60.0	15	9.1	5.30
KWD5L44	2DA-F23KE	28.8	161.0	38	10.2	60.0	15	11.2	7.80
KWD6L44	3DA-F28KE	26.5	150.0	36	12.0	77.0	17	11.9	8.10
KWD8L44	3DB-F33KE	31.5	161.0	42	16.1	83.0	22	16.0	0.75
KWD9L44	3DF-F40KE	39.0	215.0	51	16.9	106.0	23	22.0	1.40
KWD10L44	3DS-F46KE	42.0	215.0	55	18.6	106.0	25	26.3	1.95
KWD12L44	4DA-F47KE	45.6	220.0	59	22.8	110.0	30	21.9	1.10
KWD15L44	4DL-F63KE	52.6	278.0	68	26.3	139.0	35	33.9	0.26
KWD22L44	4DT-F76KE	66.0	374.0	85	33.0	187.0	43	33.9	0.26
KWD27L44	6DL-F93KE	80.8	450.0	103	41.6	218.0	51	47.2	1.70
KWD30L44	6DT-F11ME	95.6	470.0	122	42.8	235.0	55	60.2	2.70

NOTES: * Minimum Circuit Ampactiy shown is for the condensing unit and control circuit only. No provisions for electric defrost or evaporator fan loads are included. Consult the unit nameplate for more specific information.

** Max. GPM shown is for the highest suction rating and Min.

MODEL NUMBER	RECVR. CAP @ 90%	CONNECTIONS (IN) LIQ. ODS	SUCT. ODS	WATER ODS	FIG.	SHIP WT. (lbs.)
HERMETIC COMPRESSOR						
KWH050M44	5.1	3/8	5/8	1/2	1	105
KWH075M44	5.1	3/8	5/8	1/2	1	110
KWH101M44	5.1	3/8	5/8	1/2	2	115
KWH150M44	8.6	3/8	7/8	1/2	2	140
KWH201M44	8.6	3/8	7/8	5/8	2	160
KWH300M44	13.7	1/2	1-1/8	7/8	2	330
KWH400M44	24.3	1/2	1-1/8	7/8	3	340
KWH500M44	24.3	1/2	1-1/8	7/8	3	360
KWH050L44	5.1	3/8	5/8	1/2	1	105
KWH075L44	5.1	3/8	5/8	1/2	1	110
KWH100L44	5.1	3/8	5/8	1/2	1	115
KWH165L44	8.6	3/8	7/8	1/2	2	140
KWH215L44	8.6	3/8	7/8	1/2	2	160
KWH315L44	13.7	1/2	1-1/8	5/8	2	350
KWH051H22	6.0	3/8	5/8	1/2	1	105
KWH075H22	6.0	3/8	5/8	1/2	1	110
KWH100H22	6.0	3/8	5/8	1/2	1	115
KWH151H22	10.0	3/8	7/8	5/8	2	170
KWH201H22	10.0	3/8	7/8	5/8	2	190
KWH251H22	16.0	1/2	7/8	7/8	2	305
KWH301H22	16.0	1/2	7/8	7/8	2	330
KWH401H22	28.2	1/2	7/8	7/8	3	348
KWH500H22	28.2	1/2	7/8	7/8	3	360
SCROLL COMPRESSOR						
KWO200M44	13.7	1/2	7/8	3/4	2	315
KWO250M44	13.7	1/2	7/8	7/8	2	325
KWO300M44	13.7	1/2	7/8	7/8	2	325
KWO301M44	13.7	1/2	7/8	7/8	2	335
KWO400M44	24.3	1/2	7/8	1-1/8	3	335
KWO600M44	24.3	1/2	7/8	1-1/8	3	360
KWO650M44	24.3	5/8	7/8	1-1/8	3	360
KWO200L44	13.7	1/2	7/8	1/2	2	315
KWO250L44	13.7	1/2	7/8	1/2	2	330
KWO300L44	13.7	1/2	7/8	5/8	2	330
KWO301L44	13.7	1/2	7/8	5/8	2	340
KWO400L44	24.3	1/2	7/8	3/4	3	340
KWO500L44	24.3	1/2	7/8	7/8	3	355
KWO600L44	24.3	1/2	7/8	7/8	3	360
KWO200M22	13.7	1/2	7/8	3/4	2	315
KWO250M22	13.7	1/2	7/8	7/8	2	325
KWO300M22	13.7	1/2	7/8	7/8	2	325
KWO301M22	13.7	1/2	7/8	7/8	2	335
KWO400M22	28.2	1/2	7/8	1-1/8	3	335
KWO600M22	28.2	1/2	7/8	1-1/8	3	360
KWO650M22	28.2	5/8	7/8	1-1/8	3	360

See back page drawings and dimensional data.

MODEL NUMBER	RECVR. CAP @ 90%	CONNECTIONS (IN) LIQ. ODS	SUCT. ODS	WATER ODS	FIG.	SHIP WT. (lbs.)
SEMI-HERMETIC COMPRESSOR						
KWS100M44	5.1	3/8	5/8	1/2	1	170
KWS200M44	8.6	3/8	7/8	5/8	2	240
KWS300M44	13.7	1/2	1-1/8	7/8	2	430
KWS050L44	5.1	3/8	5/8	1/2	1	150
KWS075L44	5.1	3/8	5/8	1/2	1	160
KWS100L44	5.1	3/8	5/8	1/2	1	170
KWS150L44	8.6	3/8	7/8	1/2	2	200
KWS200L44	8.6	3/8	7/8	1/2	2	240
KWS300L44	13.7	1/2	1-1/8	5/8	2	430
KWS075H22	6.0	3/8	5/8	1/2	1	160
KWS100H22	6.0	3/8	5/8	1/2	1	170
KWS150H22	10.0	3/8	7/8	5/8	2	200
KWS200H22	10.0	3/8	7/8	5/8	2	240
KWS300H22	16.0	1/2	1-1/8	7/8	2	430
KWS400H22	28.2	1/2	1-1/8	7/8	3	500
KWS400M22	28.2	1/2	1-1/8	7/8	3	500
KWS500H22	28.2	1/2	1-1/8	7/8	3	520
KWS500M22	28.2	1/2	1-1/8	7/8	3	520
KWS050L22	6.0	3/8	5/8	1/2	1	150
KWS075L22	6.0	3/8	5/8	1/2	1	160
KWS100L22	6.0	3/8	5/8	1/2	1	170
KWS200L22	10.0	3/8	7/8	1/2	2	240
KWS201L22	10.0	3/8	7/8	1/2	2	240
KWS202L22	10.0	3/8	7/8	1/2	2	240
KWS300L22	16.0	1/2	1-1/8	5/8	2	430
DISCUS COMPRESSOR						
KWD500M44	24.3	1/2	1-1/8	7/8	3	540
KWD600M44	24.3	5/8	1-1/8	1-3/8	3	550
KWD300L44	16.8	1/2	1-1/8	7/8	3	510
KWD400L44	24.3	1/2	1-1/8	7/8	3	525
KWD500L44	24.3	1/2	1-1/8	7/8	3	540
KWD500H22	28.2	1/2	1-1/8	7/8	3	540
KWD300L22	19.6	1/2	1-1/8	3/4	3	510
KWD400L22	28.2	1/2	1-1/8	7/8	3	525
KWD500L22	28.2	1/2	1-1/8	7/8	3	540

NOM. H.P.	REF. TYPE	MODEL NUMBER	Pumpdown Cap. @ 90% (lbs)	FIG.	Dimensions (Inches)						CONNECTIONS (ODS)				Approx. Ship Wt. (lbs)
					† Approx. Overall			Mounting			DISCHARGE**		SUCTION**	WATER	
					L	W	H	A	B	C	w/o KIT	w/ KIT		(FPT)	
3	22	KWS3H22	29.6	4	34	29	26*	18.5	8.25	19.5	5/8	1/2	1 1/8	3/8	400
5	22	KWD5H22	29.3	4	42	29	31*	33.5	4.25	19.5	7/8	1/2	1 3/8	1	465
7.5	22	KWD7H22	80.0	4	48	29	31*	39.5	4.25	19.5	7/8	5/8	1 3/8	1 1/4	540
7.5	22	KWD8H22	80.0	4	48	29	31*	39.5	4.25	19.5	1 1/8	5/8	1 3/8	1 1/4	590
10	22	KWD10H22	68.0	4	48	29	34	36.5	5.75	19.5	1 1/8	7/8	1 3/8	1 1/4	780
15	22	KWD15H22	120.0	4	48	29	34	36.5	5.75	19.5	1 1/8	7/8	1 5/8	2	800
20	22	KWD20H22	120.0	4	48	32	35	36.5	5.75	22.5	1 3/8	7/8	1 5/8	2	835
25	22	KWD25H22	253.0	4	60	32	38	44.5	5.75	22.5	1 3/8	1 1/8	2 1/8	2	1050
30	22	KWD30H22	253.0	4	72	32	38	50.5	11.5	22.5	1 3/8	1 3/8	2 1/8	2	1105
35	22	KWD35H22	253.0	4	72	32	36	50.5	11.5	22.5	1 3/8	1 3/8	2 1/8	2	1150
40	22	KWD40H22	291.0	4	72	32	38	50.5	11.5	22.5	1 5/8	1 3/8	2 1/8	2 1/2	1200
3	404A	KWS3M44	25.4	4	34	29	26*	18.5	8.25	19.5	5/8	1/2	1 1/8	3/8	400
5	404A	KWD5M44	25.4	4	42	29	31*	33.5	4.25	19.5	7/8	1/2	1 3/8	1	465
6	404A	KWD6M44	69.0	4	42	29	31*	33.5	4.25	19.5	7/8	1/2	1 3/8	1	485
7.5	404A	KWD7M44	69.0	4	48	29	31*	39.5	4.25	19.5	7/8	5/8	1 3/8	1 1/4	540
7.5	404A	KWD8M44	69.0	4	48	29	31*	39.5	4.25	19.5	1 1/8	5/8	1 3/8	1 1/4	590
10	404A	KWD10M44	59.0	4	48	29	34	36.5	5.75	19.5	1 1/8	7/8	1 3/8	1 1/4	780
12	404A	KWD12M44	104.0	4	48	29	34	36.5	5.75	19.5	1 1/8	7/8	1 3/8	2	790
15	404A	KWD15M44	104.0	4	48	29	34	36.5	5.75	19.5	1 1/8	7/8	1 5/8	2	800
20	404A	KWD20M44	104.0	4	48	32	35	36.5	5.75	22.5	1 3/8	7/8	1 5/8	2	835
25	404A	KWD25M44	217.0	4	60	32	38	44.5	5.75	22.5	1 3/8	1 1/8	2 1/8	2	1050
30	404A	KWD30M44	217.0	4	72	32	38	50.5	11.5	22.5	1 3/8	1 3/8	2 1/8	2	1105
35	404A	KWD35M44	217.0	4	72	32	36	50.5	11.5	22.5	1 3/8	1 3/8	2 1/8	2	1150
40	404A	KWD40M44	251.0	4	72	32	38	50.5	11.5	22.5	1 5/8	1 3/8	2 1/8	2 1/2	1200
3	22	KWS3L22	19.7	4	34	29	35	18.5	8.25	19.5	5/8	1/2	1 1/8	3/8	375
3	22	KWD3L22	19.7	4	34	29	39	18.5	8.25	19.5	7/8	1/2	1 3/8	3/8	390
4	22	KWD4L22	29.9	4	34	29	39	18.5	8.25	19.5	7/8	1/2	1 3/8	3/8	465
5	22	KWD5L22	68.0	4	34	29	39	18.5	8.25	19.5	7/8	1/2	1 3/8	3/8	485
6	22	KWD6L22	29.3	4	34	29	39	18.5	8.25	19.5	1 1/8	1/2	1 3/8	3/8	530
7.5	22	KWD8L22	68.0	4	42	29	38	33.5	4.25	19.5	1 1/8	5/8	1 3/8	1	590
9	22	KWD9L22	129.0	4	42	29	38	33.5	4.25	19.5	1 1/8	5/8	1 3/8	1	620
10	22	KWD10L22	120.0	4	42	29	38	33.5	4.25	19.5	1 1/8	5/8	1 5/8	1	795
12	22	KWD12L22	80.0	4	48	32	36	39.5	4.25	19.5	1 1/8	7/8	1 5/8	1 1/4	820
15	22	KWD15L22	80.0	4	48	32	36	39.5	4.25	22.5	1 3/8	7/8	1 5/8	1 1/4	845
22	22	KWD22L22	120.0	4	48	32	38	36.5	5.75	22.5	1 3/8	7/8	1 5/8	1 1/4	1030
27	22	KWD27L22	120.0	4	60	32	44	44.5	5.5	22.5	1 3/8	1 1/8	2 1/8	2	1225
30	22	KWD30L22	120.0	4	60	32	46	44.5	5.5	22.5	1 3/8	1 1/8	2 1/8	2	1310
3	404A	KWS3L44	16.9	4	34	29	35	18.5	8.25	19.5	5/8	1/2	1 1/8	3/8	375
3	404A	KWD3L44	16.9	4	34	29	39	18.5	8.25	19.5	7/8	1/2	1 3/8	3/8	390
4	404A	KWD4L44	29.9	4	34	29	39	18.5	8.25	19.5	7/8	1/2	1 3/8	3/8	465
5	404A	KWD5L44	59.0	4	34	29	39	18.5	8.25	19.5	7/8	1/2	1 3/8	3/8	485
6	404A	KWD6L44	25.4	4	34	29	39	18.5	8.25	19.5	1 1/8	1/2	1 3/8	3/8	530
7.5	404A	KWD8L44	59.0	4	42	29	38	33.5	4.25	19.5	1 1/8	5/8	1 3/8	1	590
9	404A	KWD9L44	111.0	4	42	29	38	33.5	4.25	19.5	1 1/8	5/8	1 3/8	1	620
10	404A	KWD10L44	69.0	4	42	29	38	33.5	4.25	19.5	1 1/8	5/8	1 3/8	1	795
12	404A	KWD12L44	69.0	4	48	32	36	39.5	4.25	19.5	1 1/8	7/8	1 5/8	1 1/4	820
15	404A	KWD15L44	69.0	4	48	32	36	39.5	4.25	22.5	1 3/8	7/8	1 5/8	1 1/4	845
22	404A	KWD22L44	104.0	4	48	32	38	36.5	5.75	22.5	1 3/8	7/8	1 5/8	1 1/4	1030
27	404A	KWD27L44	104.0	4	60	32	44	44.5	5.5	22.5	1 3/8	1 1/8	2 1/8	2	1255
30	404A	KWD30L44	104.0	4	60	32	46	44.5	5.5	22.5	1 3/8	1 1/8	2 1/8	2	1310

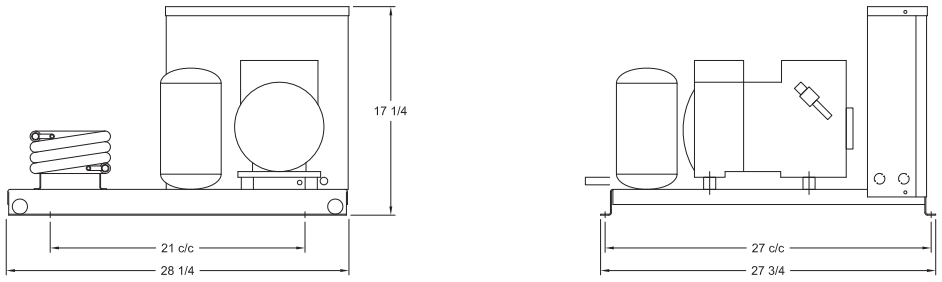
NOTES:

* Height is 32 inches with optional control panel.

** Connection size with or without factory installed liquid and/or suction line assembly.

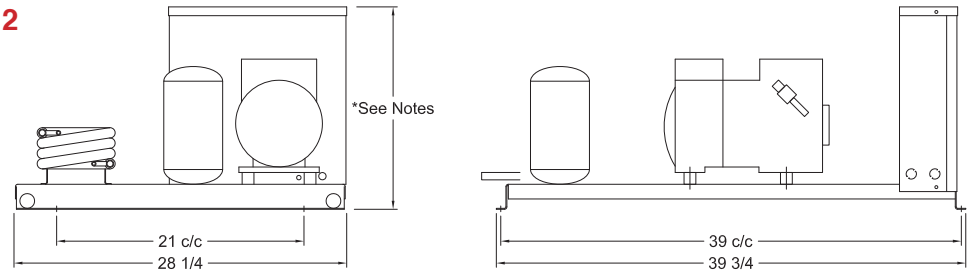
Overall dimensions may change if optional oil seperator and/or suction accumulator is installed.

Fig. 1



SIDE FRONT

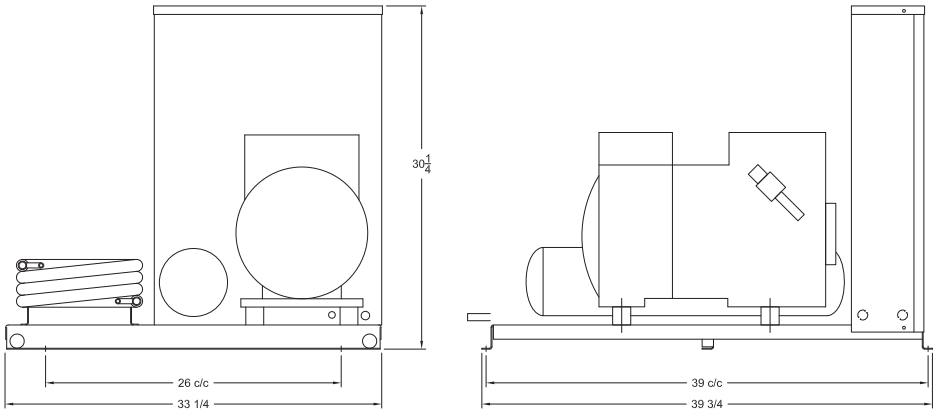
Fig. 2



* - 17¼" high for 1 to 2 HP models. 20¼" high for 2½ and 3 HP and all Scroll models.

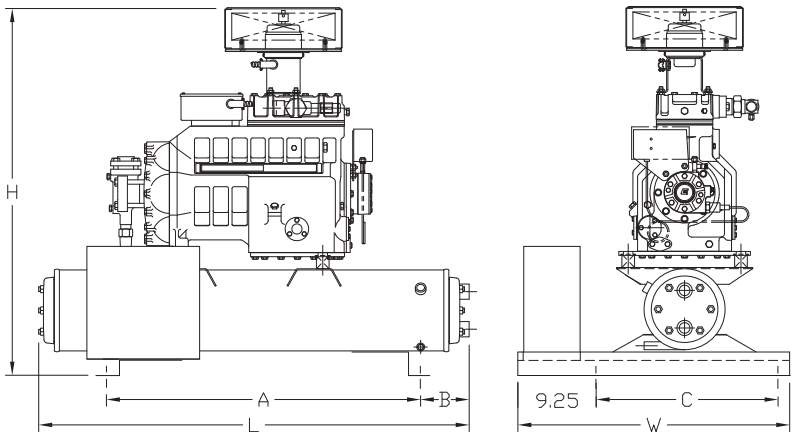
SIDE FRONT

Fig. 3



SIDE BACK

Fig. 4



All dimensions are in inches. All mounting holes are 3/8".

KM-KWX-1211A

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