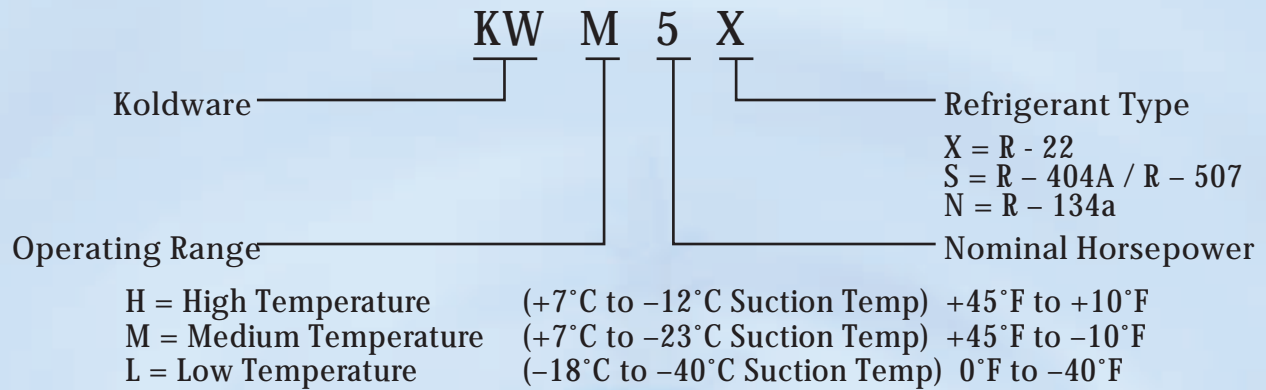


# Koldware Industries

AIR COOLED CONDENSING UNITS  
FROM 1 HP TO 20 HP



# MODEL NUMBER NOMENCLATURE



	FEATURES AT A GLANCE	STANDARD	OPTION
ELECTRICAL COMPONENTS	Crankcase heater Oil failure control-as required High-Low pressure control-manual (high)/automatic (low) rest Compressor contractor Control circuit breaker Power terminal block	• • • •	•    •
CONDENSER	Copper tubes with Aluminum fins Subcooling circuit Fan motor-overload protection Fan blade- individually balanced Fan guard- split for easy motor access	• • • • •	
PIPING COMPONENTS	Suction line filter Suction line vibration eliminator Liquid line filter/drier Sight glass/moister indicator Discharge line vibrator eliminator Inlet and outlet isolation valves	• •	• • • •
RECEIVER	Fusible plug	•	
HOUSING	Weather resistance Control panel with hinged door Raised galvanized steel base	• •	•
LOW AMBIENT CONTROLS	Pressure fan cycling control-not available on 1HP-3 HP and 5 HP Flooded Condenser		• •
TESTING	Leak deduction, Dielectric and test run Dry nitrogen holding charge	• •	

### OTHER OPTION:-

- 1 Year compressor warranty.
- Air defrost time clock.
- Compressor unloading.
- Copper or coated condenser fins.
- Crankcase pressure regulator.
- Electric Defrost with heater contactors, timer, block out relay.
- Evap sub circuit fusing.
- Fused disconnect.
- Heated and insulated receiver.

- Hot gas defrost components.
- Liquid line solenoid valve.
- Oil separator.
- Oversized receiver.
- Phase loss monitor.
- Spring loaded relief valve.
- Stainless steel hoses.
- Suction line accumulator.
- Non-fused disconnect

# UNIT SELECTION

110°F AMBIENT

R-22 HIGH TEMPERATURE

Model	Suction Temp	+45°F	+40°F	+35°F	+25°F	+20°F	+10°F
KWH5X	BTU/hr	65075	59375	53960	43985	39425	30875
KWH7X		89965	82175	74860	61655	55670	45030
KWH8X		112385	102695	93575	76760	69160	55195
KWH10X		130720	119605	109250	90155	81510	65835
KWH12X		145635	132240	119605	100415	89965	72010
KWH15X		174420	159885	146395	121505	109915	88635

110°F AMBIENT

R-22 LOW TEMPERATURE

Model	Suction Temp	0°F	-10°F	-20°F	-25°F	-30°F	-40°F
KWL3X	BTU/hr	23085	17480	13110	11210	9500	6460
KWL5X		29925	23275	17290	14725	12350	8455
KWL7X		43415	34105	26125	22515	19475	13965
KWL10X		58615	45885	34485	30020	25745	17670
KWL15X		82175	64600	49400	42750	36385	25175
KWL20X		97185	75525	58425	51015	44080	30495

110°F AMBIENT

R-404A / R-507 HIGH / MEDIUM TEMPERATURE

Model	Suction Temp	+45°F	+35°F	+25°F	+20°F	+10°F	0°F	-10°F
KWM5S	BTU/hr	58330	49495	41135	37240	30020	23845	18715
KWM7S		84455	71155	59185	53770	43985	35340	28025
KWM10S		117610	99750	83790	76380	62795	50825	40185
KWM15S		153140	130815	110295	100700	83125	67640	53865

110°F AMBIENT

R-404A / R-507 LOW TEMPERATURE

Model	Suction Temp	0°F	-10°F	-15°F	-20°F	-25°F	-30°F	-40°F
KWL3S	BTU/hr	24795	20520	18145	15865	13775	11970	8550
KWL5S		35720	28785	25650	22705	19950	17290	12635
KWL7S		51490	41135	36385	32015	28215	24510	18240
KWL10S		65835	53485	46930	42275	37145	32395	23845
KWL15S		87970	76095	66405	60230	46455	44650	33155
KWL20S		104215	85215	76570	67735	60990	54055	41800

110°F AMBIENT

R-134A HIGH / MEDIUM TEMPERATURE

Model	Suction Temp	+45°F	+35°F	+25°F	+20°F	+10°F	0°F
KWL1N	BTU/hr	12900	10850	8745	7125	5750	4215
KWL2N		19650	16330	12840	10105	7910	6312
KWL3N		35115	29014	23240	18830	14510	10644
KWL5N		53112	44105	36114	29015	22810	17214
KWL7N		77950	65113	53210	42315	33150	25814
KWL10N		115219	96116	78613	63214	50199	38943
KWL15N		142119	118560	95114	75215	59214	45244
KWL20N		172144	145219	118321	95055	762144	600528

**NOTE:**

Add 6% for each 10°F drop in air temperature.

Subtract 6% for each 10°F rise in ambient temperature.

Product	Storing Conditions		Recommended Storing Time	Water Percentage %	Freezing Point °C
	Temperature °C	Humidity %			
<b>FRUITS</b>					
Apple	0 to +3	90 to 95	8 to 9 months	84	-1.1
Apricot	0 to +1	90 to 95	1 to 3 weeks	85	-1.2
Avocado	+3 to +4	85 to 90	2 to 8 months	65	-0.3
Banana	+13 to +14	85 to 95	-	75	-0.8
Blackberry	-0.5 to 0	90 to 95	3 days	85	-0.8
Small Melon	+2 to +4	95	5 to 15 days	92	-1.2
Sour Cherry	0	90 to 95	3 to 7 days	84	-1.7
Cherry	-1 to -0.5	90 to 95	2 to 3 weeks	80	-1.8
Coconut	0 to +1	90 to 95	3 to 5 months	82	-0.8
Small Grape	-5 to 0	90 to 95	1 to 4 weeks	85	-1
Date	-18 to 0	75	6 to 12 months	20	-16
Frozen Fruits	-24 to -18	90 to 95	18 to 24 months	-	-
Kiwi Fruit	0	90 to 95	3 to 5 months	82	-1.7
Lemon	+11 to +12	85 to 90	1 to 4 months	89	-1.4
Olive (Green)	+7 to +10	85 to 90	4 to 6 weeks	75	-1.4
Orange	+3 to +9	85 to 90	3 to 6 weeks	86	-1.3
Peach	-5 to 0	90 to 95	2 to 4 weeks	89	-0.9
Pear	-1.6 to -0.5	90 to 95	2 to 7 months	83	-1.6
Plum	-1 to 0	90 to 95	2 to 4 weeks	86	-0.8
Pomegranate	4	90 to 95	2 to 3 months	82	-3
Raspberry	-5 to 0	90 to 95	2 to 3 days	81	-1.1
Strawberry	-5 to 0	90 to 95	5 to 7 days	90	-0.8
Watermelon	+4 to +10	90	2 to 3 weeks	93	-0.4
<b>VEGETABLES</b>					
Asparagus	0 to +2	95 to 100	2 to 3 week	93	-0.6
Bean	+4 to +7	90 to 95	7 to 10 days	89	-0.7
Cabbage	0 to +1	98 to 100	5 to 6 months	92	-0.9
Carrot	0	98 to 100	4 to 6 weeks	88	-1.4
Cauliflower	0 to +1	95 to 98	3 to 4 weeks	92	-0.8
Corn	0	95 to 98	4 to 8 days	74	-0.6
Frozen Vegetables	-23 to -18	-	6 to 12 months	61	-
Dried Garlic	0	65 to 70	6 to 7 months	61	-0.8
Fresh Garlic	0	95 to 100	10 to 14 days	93	-0.3
Mushroom	0	95	3 to 4 days	91	-0.9
Onion (Green)	0	95 to 100	3 to 4 weeks	89	-0.9
Pea (Green)	0	95 to 98	1 to 2 weeks	74	-0.6
Green Pepper	+7 to +13	90 to 95	2 to 3 weeks	92	-0.7
Potato	+3 to +4	90 to 95	4 to 5 months	81	-0.6
Spinach	0	95 to 98	10 to 14 days	93	-
Tomato (Green)	+13 to +16	90 to 95	1 to 3 weeks	93	-0.6
Tomato (Red)	+7 to +10	90 to 95	4 to 7 days	94	-0.5
Turnip	0	95	4 to 5 months	92	-1.1
Watercress	0	95 to 100	3 to 4 weeks	93	-0.3
Lettuce	0 to +1	95 to 100	2 to 3 weeks	95	-0.2
<b>OTHER</b>					
Ice Cream	- 18 to -25	-	-	-	-
Yogurt	+2 to +5	-	-	-	-
Medicine	+2 to +8	-	-	-	-
Frozen Processed Food Product	-15 to -20	-	-	-	-
Frozen Fish	-29 to -18	90 to 95	6 to 12 months	-	-2.2

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Terms & Conditions Apply



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