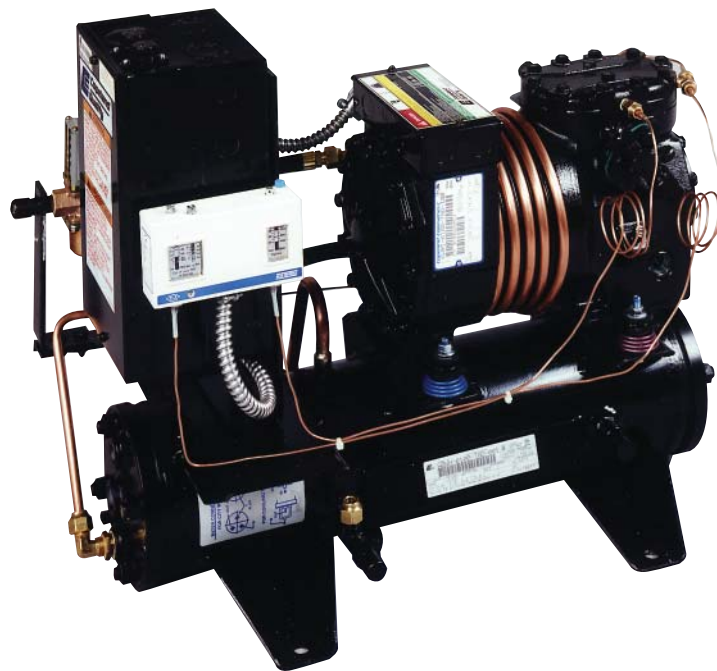


# W-Line

Semi-hermetic water-cooled condensing units



## Product Information

Horsepower:	3/4 – 30
Temperature Applications:	Ultra-Low/Low/Medium/High
Refrigerants:	R-12, R-22, R-134a, R-404A, R-407A & R-407C
Installation Applications:	A variety of applications including walk-in boxes and industrial air dryers



# Nomenclature • Semi-Hermetic Condensing Units

Temperature Application	
Description	Code
High Temperature	H
Medium Temperature	M
Low Temperature	L
Extended Medium Temp.	F
Extra Low Temp.	E
High Temperature	B
R22/404A LT & R134a HT	G
R22 HT & R404A MT	J
R404A LT & R134a HT	K
Two Stage	U
Two Stage	T

Compressor Motor Types		
Phase	Description	Code
1	Capacitor Run – Capacitor Start	C
1	Induction Run – Capacitor Start	I
1	Induction Run – Split Phase	S
1	Capacitor Run – Permanent Split Capacitor	P
3	Three Phase	T
3	Wye (star) Delta	E
3	6 Lead Part Winding or Across the Line – except 575V	F

Product Variations	
Numbers will be assigned as follows:	
1.	Number –100 is standard compressor used in Copeland® condensing units.
2.	Number –200 indicates a STANDARD compressor parts B/M and model no.
3.	Number –201 and larger will be assigned for all other variations of a given model.
4.	Number –800 indicates a standard replacement compressor and Component Parts B/M and model no. –240 volt control.
5.	Number –801 indicates a standard replacement compressor and component parts B/M and model no. –120 volt control.



Refrigerant	
R404A/507	J/4
R134a	T/2
R12	B/7
R22	3/M/L/C
Multiple	F
R22/407C	G
R22	9
R134a/404A/22	N
R134a/404A	P
R404A/22	8

Air Cooled Steel Base	A
Air Cooled Copevap Base	E
Water Cooled Steel Base	W
Custom Base	C
Discus	D

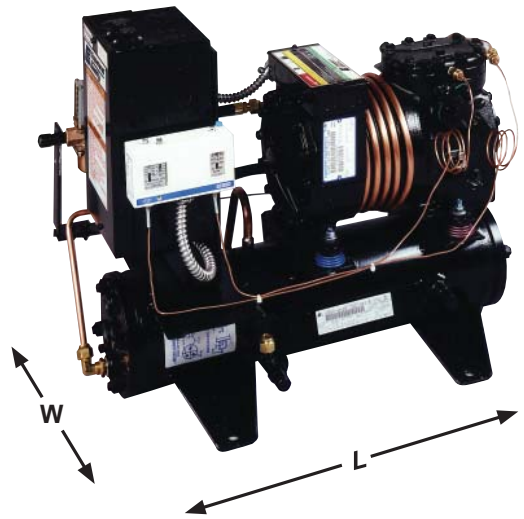
Comp. Motor Rating	
Nominal (HP)	Code
1/2	0050
3/4	0075
1	0100
1-1/2	0150
2	0200
3	0300
4	0400
5	0500
6	0600
7-1/2	0750
9	0900
10	1000
15	1500
20	2000
22	2200
25	2500
27	2700
30	3000
40	4000
50	5000
60	6000
70	7000
80	8000

Note: Left position may be a letter indicating a revision change

Compressor Motor Protection	
Type Protection	Code
External Inherent Protection-One Protector, (Line Break) Use with Contactor	A
Internal Inherent Protection-One Protector (Line Break) Use with Contactor	F
Internal Thermal Protectors-Electronic Sensors; and Control Module External Use with Contactor	S

Electrical Codes		
60 Hz.	50 Hz.	Code
115-1	100-1	A
230-1	-	B
208/230-3	200/220-3	C
460-3	-	D
575-3	-	E
-	230-1	G
-	380/420-3	M
208/230-1	200-1	V
-	220-3	W
-	220/240-1	Z

Note: When applicable, specific 50 Hz ratings (not necessarily identical to typical shown above) will be shown as alternate on 60 Hz rated models.



## Bill of Materials Matrix

BOM	Options					UL	
	Suction Valve	Liquid Valve	Conduit	Pressure Controls	Head Cooling Fan	Listed	Recognized
001	X	X	X	X		X	
007/050	X	X	X	X	X	X	

# Semi-hermetic water-cooled condensing units

Features	Benefits
Copeland™ Semi-hermetic Compressor Copeland Discus™ Compressor with Unique 'Discus' Valve Design	Reliability High Energy Efficiency
Modular Components	Replacement Serviceability
Positive Displacement Oil Pump	Oil Lubrication Under All Operating Conditions Lower Service & Maintenance Cost
Low Re-expansion Volumes	Decreases Energy Costs Greater Capacity
Lower Operating Speeds	Reduces Operating Component Stress Low Sound Lower Maintenance Costs
Wide Range of Available Models from 0.75 HP to 30 HP For HCFC and HFC Refrigerants	Application Flexibility

Register for more product information



For more information, visit [EmersonClimate.com](http://EmersonClimate.com) and login to the Customer Portal to view Online Product Information

## Semi-hermetic water-cooled condensing units

BTU/H at 105° condensing, 85° water inlet - evaporator temp (°F)

Water flow (GPM) at evaporator temp (°F)

Capacities rated at 65°F return gas, 5°F subcooling

### R-404A Ultra Low Temp

Unit Model	Compressor	-60	-55	-50	-45	-40	-35	-30	-25	-60	-40	-25
WJWU-0500	9TK2-050E	7110	8700	10400	12300	14200	16100	18100	20000	2.5	4.83	6.61

### R-404A Low Temp

Unit Model	Compressor	-40	-35	-30	-25	-20	-15	-10	-5	0	-40	-20	0
WJWL-0100	KWJ*-011E	2300	2800	3360	3980	4660	5420	6250	7170	8180	0.91	1.46	2.28
WJWL-0151	KWL*-016E	3450	4200	5020	5920	6900	7960	9130	10410	11800	1.28	2.19	3.28
WJWL-A201	EAV*-021E	4440	5460	6580	7810	9170	10700	12300	14100	16100	1.44	2.68	4.43
WJWL-0303	LAHA-032E	5890	7570	9500	11700	14100	16700	19600	22700	26100	1.76	3.93	7.02
WJDL-0302	2DF3-030E / 2DF3F16KE	9950	12100	14440	17000	19810	22910	26310	30050	34150	3.35	5.86	9.02
WFDP-0300	2DF3F16KE	10300	12600	15000	17700	20600	23800	27300	31200	35500	3.1	5.7	9.4
WFDP-0350	2DL3F20KE	12300	14800	17600	20600	23900	27500	31500	35800	40600	3.06	5.73	9.37
WJDL-0401	2DL3-040E	12360	14900	17660	20700	24020	27660	31640	36000	40760	4.09	6.96	10.68
WFDP-0400	2DA3F23KE	14600	17500	20600	23900	27600	31600	35900	40700	45900	3.57	6.55	10.65
WJDL-0604	2DA3-060E	14650	17570	20680	24050	27710	31710	36090	40890	46160	4.75	8.02	12.12
WFDP-0500	3DA3F28KE	18000	21300	24800	28800	33100	37900	43100	48800	55000	4.2	7.55	12.06
WJDL-0603	3DA3A060E	18090	21350	24950	28920	33280	38060	43300	49020	55260	5.85	9.66	14.49
WFDP-0550	3DB3F33KE	21400	25300	29600	34200	39300	44800	50800	57500	64900	5.19	9.05	14.44
WJDL-0751	3DB3A075E / 3DB3F33KE	21400	25300	29600	34200	39200	44800	51000	57500	65000	6.15	10.78	17.11
WFDP-0600	3DF3F40KE	26100	30800	35900	41600	47900	55000	62500	70500	79500	7.3	12.8	20.5
WJDL-0901	3DF3F40KE	26180	30920	36130	41850	48130	55040	62620	70920	80010	8.46	13.86	21.02
WFDP-0700	3DS3F46KE	30400	35700	41400	47600	54500	61500	69500	78500	88000	8.4	14.6	22.8
WJDL-1001	3DS3A100E / 3DS3F46KE	29850	35220	41090	47500	54480	62050	70250	79120	88680	9.55	15.67	23.37
WJDL-1501	4DL3F63KE / 4DL3A150E	41400	49300	57400	65800	74800	84400	94800	106600	119600	11.6	20.31	31.49
WFDP-1500	4DHN63KE	39300	47500	56000	64500	74000	84000	95000	107000	120000	11.2	19.9	30.9
WJDL-2701	6DL3F93KE	59500	70700	83200	96900	111700	127800	145000	163400	183000	19.08	32.1	48.11

### R-404A Med Temp

Unit Model	Compressor	-5	0	5	10	15	20	25	30	35	40	45	-5	25	45
WJWM-0075	KWN*-007E	3140	3670	4270	4940	5660	6450	7280					0.95	1.9	
WJWM-0100	K*R*-010E	4890	5650	6410	7210	8090	9090	10260					1.42	2.74	
WJWM-0152	K*G*-010E	5860	6740	7650	8640	9740	11000	12400					1.74	3.19	
WJWM-0202	K*KA-020E	8440	9750	11000	12300	13800	15400	17400					2.71	4.65	
WJWM-0203	ERCA-02*E	10000	11600	13300	15100	17100	19200	21600					3.11	5.64	
WJWM-0300	ERFA-031E	14800	17000	19400	22000	24800	27800	31200					4.48	8.07	
WFDP-0451	2DC3R53KE	22400	25700	29400	33500	38000	42900	48300	54100	60400	67300	74600	6.03	12.02	17.66
WFDP-0501	2DD3R63KE	27400	31200	35600	40400	45800	51700	58000	64900	72200	80100	88500	7.31	14.38	20.91
WFDP-0751	2DA3R89KE	41100	46400	52500	58500	65500	73500	81500					10.6	19.9	
WFDP-1001	3DB3R12ME	57800	65300	73400	82200	91800	102300	113700	126100	139600	154300	170300	15.07	27.81	39.82
WFDP-2511	4DK3R22ME	106000	119000	134000	151000	170000	191000	212000					27.2	52	
WFDP-3011	4DRNR28ME	125000	142000	161000	182000	204000	229000	255000					32.8	62.8	

## Semi-hermetic water-cooled condensing units

BTU/H at 105° condensing, 85° water inlet - evaporator temp (°F)

Water flow (GPM) at evaporator temp (°F)

Capacities rated at 65°F return gas, 5°F subcooling

### R-407A

Unit Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45	-10	25	45
WFDP-1001	3DB3R12ME	43900	51100	59000	67500	76800	86900	97900	109900	123000	137100	152400	168900	11.8	26.82	39.2

### R-407C High Temp

Unit Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45	-10	25	45
WFDP-0451	2DC3R53KE	16900	19200	21900	25200	28900	33200	38100	43600	49600	56300	63700	71700	4.66	10.8	17.1
WFDP-0501	2DD3R63KE	20500	23000	26100	29700	34000	38900	44400	50700	57600	65300	73700	82800	5.61	12.5	19.7
WFDP-0751	2DA3R89KE		32600	37400	42900	49000	56000	63500	72000						17.7	
WFDP-1001	3DB3R12ME	43000	49800	57100	65000	73600	83000	93200	104300	116500	129700	144200	159900	11.38	25.4	37.1
WFDP-2511	4DK3R22ME		89500	103000	118000	134000	153000	174000	198000						48.6	
WFDP-3011	4DRNR28ME		106000	123000	140000	159000	180000	204000	231000						57.1	

### R-134a HighTemp

Unit Model	Compressor	0	5	10	15	20	25	30	35	40	45	0	25	45
WTWH-0100	KWJ*-011E	4140	4890	5700	6580	7540	8580	9730	11000	12400	13900	1.14	2.18	3.43
WTWH-A201	EAV*-021E	8360	9880	11500	13300	15200	17300	19700	22200	25000	28000	2.25	4.4	6.86
WTWM-0300	LAHA-031E	13200	15500	18100	20900	24000	27300					3.58	6.95	
WFDP-0300	2DF3F16KE	19600	22700	26100	29700	33700	38100	42900	48100	53800	60100	5.2	9.4	14.2
WFDP-0400	2DA3F23KE	24500	28300	32500	37100	42200	47700	53800	60400	67600	75400	6.4	11.8	17.8
WFDP-0500	3DA3F28KE	29600	34300	39300	44800	50800	57400	64500	72300	80800	90100	7.79	14.26	21.34
WFDP-0550	3DB3F33KE	34600	40100	46100	52600	59600	67300	75800	85100	95200	106300	9	16.5	24.9
WFDP-0600	3DF3F40KE	41000	47800	55000	62500	70500	79500	89500	100000	112000	124000	10.7	19.6	29.4
WFDP-0700	3DS3F46KE	45200	52500	60500	68500	78000	88000	98500	111000	124000	138000	11.8	21.7	32.6

## Semi-hermetic water-cooled condensing units

BTU/H at 105° condensing, 85° water inlet - evaporator temp (°F)

Water flow (GPM) at evaporator temp (°F)

Capacities rated at 65°F return gas, 5°F subcooling

### R-22 High Temp

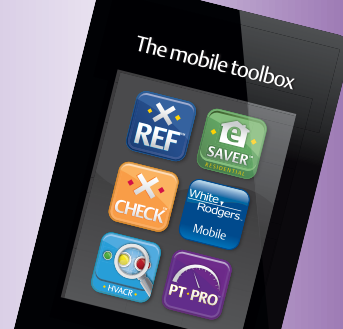
Unit Model	Compressor	-5	0	5	10	15	20	25	30	35	40	45	0	25	45
W2WH-0075	KWN1-0075		3450	3980	4570	5230	5960	6750	7610	8550	9570	10700	1.06	1.74	2.52
W2WM-0075	KWE*-0075	3680	4260	4880	5550	6290	7110	8040					1.36	2.14	
W2WH-0100	KWR*-0100		5050	5800	6640	7570	8590	9700	10900	12200	13600	15000	1.53	2.58	3.73
W3WM-0100	KWM*-0100		5730	6700	7750	8890	10100	11400					1.63	2.87	
W2WH-0201	ERA*-0200		2960	5420	7890	10400	13000	15700	18600	21600	24800	28200	1.04	4.17	6.64
W3WM-0201	KWK*-0200	7260	8690	10200	11700	13400	15100	17000					2.56	4.37	
W2WM-0202	ERC1-0200	8180	9530	11100	12800	14800	17000	19400					2.76	4.95	
W2WH-0300	ERF*-0310		14800	17100	19700	22400	25500	28800	32400	36200	40400	44900	4.3	7.45	10.7
WFDP-0451	2DC3R53KE	19400	23100	27000	31300	35800	40800	46100	51900	58100	64900	72200	6.07	11.34	16.9
WFDP-0501	2DD3R63KE	23200	27400	31900	36700	41900	47600	53600	60200	67300	75000	83300	7.18	13.17	19.52
WFDP-0751	2DA3R89KE				53000	60500	68000	76500						18.7	
WFDP-1001	3DB3R12ME	54700	62100	70200	78900	88400	98700	109900	122000	135100	149200	164500	16.03	26.81	38.35
W3DD-1502	3DS3A1500				102930	116170	130360	145600	161970	179560	198450	218750		36.17	52.5
W3DD-1502	3DS3R17M0				102930	116170	130360	145600	161970	179560	198450	218750		36.17	52.5
W3DH-1512	3DT3A1500		81700	92500	104300	116900	130700	145600	161700	179200	198200	218600	22.5	36.11	50.6
W3DD-2002	4DA3R18M0		84800	96500	109400	123700	139400	156600	175600	196400	219200	244000	23.16	38.7	55.97
W3DH-2512	4DK3R22M0		108200	123500	141000	160500	181800	204700	228900	254400	280700	307900	29.85	50.52	71.1
W3DH-3012	4DR3R28M0				166400	188200	211900	237600	265200	294400	325400	357900		59.69	84.86

### R-12 High Temp

Unit Model	Compressor	-5	0	5	10	15	20	25	30	35	40	45	0	25	45
W7WB-0075	KWM1-0075		3260	3800	4400	5060	5780	6560	7390	8270	9220	10200	1.1	1.8	2.5
WSWM-0075	KWG1-0075	3130	3740	4340	4950	5600	6320	7130					1.1	1.9	
W7WB-0100	KWJ1-0100		4530	5120	5820	6610	7500	8460	9510	10600	11800	13000	1.3	2.2	3.2
WSWM-0100	KWK1-0100	4740	5430	6160	6940	7790	8740	9820					1.4	2.5	
WFDP-0300	2DF3F16KE	16500	19200	22200	25400	28900	32600	36700	41200	45900	51100	56600	5.2	9.3	13.6

# The mobile toolbox

Winner of the 2012 AHR Expo Innovation Award



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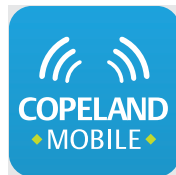
Sensi



WRMobile



Emerson X-Check™



Copeland™ Mobile



Copeland X-Ref™



Emerson PTPro™



## Application Engineering Bulletins

4-1094	Identification of port locations in heads of Copelometric Compressors
4-1135	Cooling Requirements for Copelometric and Discus Compressors
4-1166	Copeland oil pumps
4-1273	Factors to Consider in Converting Compressor Rated Capacity to Actual Capacity
4-1295	HFC-134A Refrigerant Guidelines
5-1174	Water flow requirement and water pressure drop for Copeland water cooled condensing units
8-1376	Electronic Unit Controller
11-1147	Suction Accumulators
11-1297	Liquid Line Filter-Driers
17-1260	Compressors Overheating
17-1268	Compression Ratio as it Affects Compressor Reliability
22-1182	Liquid Refrigerant Control in Refrigeration and Air Conditioning Systems

## Physical and Electrical Data

## Semi-hermetic water-cooled condensing units

MODEL	BOM	Compressor Electrical	Length	Width	Height	Liquid Connection	Suction Connection	Discharge Connection	Water Inlet	Water Outlet
W2WH-0075-TAC	001	KWN1-0075-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W2WH-0100-CAV	001	KWR2-0100-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W2WH-0100-TAC	001	KWR1-0100-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W2WH-0100-TAD	001	KWR1-0100-TAD	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W2WH-0201-CAB	001	ERA2-0200-CAB	34	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
W2WH-0201-TAC	001	ERA1-0200-TAC	34	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
W2WH-0201-TAD	001	ERA1-0200-TAD	34	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
W2WH-0300-TAC	001	ERF1-0310-TAC	30	17	24	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT
W2WH-0300-TAD	001	ERF1-0310-TAD	30	17	17	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT
W2WM-0075-CAV	001	KWE2-0075-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W2WM-0075-TAC	001	KWE1-0075-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W2WM-0202-TAC	001	ERC1-0200-TAC	34	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
W3DD-2002-TSD	001	4DA3R18M0-TSK	64	20.2	34.3	1-1/8 S	1-5/8 S	-	2" FPT	2" FPT
W3DH-1512-TFD	001	3DT3A1500-TFD	52	18	36.4	1-1/8 S	1-5/8 S	-	1 1/2 FPT	1 1/2 FPT
W3DH-2512-TSE	001	4DK3R22M0-TSE	64	20.5	33	1/8 S	1-5/8 S	-	2" FPT	2" FPT
W3WM-0100-CAV	001	KWM2-0100-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W3WM-0100-TAC	001	KWM1-0100-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W3WM-0100-TAD	001	KWM1-0100-TAD	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W3WM-0201-TAD	001	KWKA-0200-TAD	34.8	14.5	17.67	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
W7WB-0075-TAC	001	KWM1-0075-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W7WB-0100-TAC	001	KWJ1-0100-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
W7WB-0100-TAD	001	KWJ1-0100-TAD	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WFDP-0300-CFB	050	2DF3F16KE-CFB	39.87	17	36.5	1/2 S	1 1/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0300-TFC	050	2DF3F16KE-TFC	39.87	17	36.5	1/2 S	1 1/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0300-TFD	050	2DF3F16KE-TFD	39.87	17	36.5	1/2 S	1 1/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0300-TFE	050	2DF3F16KE-TFE	39.87	17	36.5	1/2 S	1 1/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0350-TFC	050	2DL3F20KE-TFC	39.87	17	36.5	1/2 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0350-TFD	050	2DL3F20KE-TFD	39.87	17	36.5	1/2 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0400-TFC	050	2DA3F23KE-TFC	39.87	17	36.5	1/2 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0400-TFD	050	2DA3F23KE-TFD	39.87	17	36.5	1/2 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0451-TFC	001	2DC3R53KE-TFC	39.87	17	28	1/2 S	1 3/8 S	-	1 1/4 FPT	2 1/4 FPT
WFDP-0451-TFD	001	2DC3R53KE-TFD	39.87	17	28	1/2 S	1 3/8 S	-	1 1/4 FPT	2 1/4 FPT
WFDP-0500-TFC	050	3DA3F28KE-TFC	46	17	38.62	5/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0500-TFD	050	3DA3F28KE-TFD	46	17	38.62	5/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0501-TFC	001	2DD3R63KE-TFC	39.87	17	28	1/2 S	1 3/8 S	-	1 1/4 FPT	2 1/4 FPT
WFDP-0550-TFC	050	3DB3F33KE-TFC	46	17	38.62	5/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0550-TFD	050	3DB3F33KE-TFD	46	17	38.62	5/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0550-TFE	050	3DB3F33KE-TFE	46	17	38.62	5/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0600-TFC	050	3DF3F40KE-TFC	52	17	39.47	7/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0600-TFD	050	3DF3F40KE-TFD	52	17	38.65	7/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0700-TFC	050	3DS3F46KE-TFC	52	17	39.47	7/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0700-TFD	050	3DS3F46KE-TFD	52	17	38.65	7/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0700-TFE	050	3DS3F46KE-TFE	52	17	38.65	7/8 S	1 3/8 S	-	1 1/4 FPT	1 1/4 FPT
WFDP-0751-TFC	001	2DA3R89KE-TFC	46	17	31.41	5/8 S	1 3/8 S	-	1-1/4 FPT	1-1/4 FPT



## Physical and Electrical Data

## Semi-hermetic water-cooled condensing units

MODEL	Receiver Capacity (Lbs @ 90% Volume)						MCA	Max Fuse	Ship Weight
	R-12	R-22	134a	404A	407A	407C			
W2WH-0075-TAC			26.5				4.4	15	166
W2WH-0100-CAV			26.5				9.3	15	170
W2WH-0100-TAC			26.5				5.4	15	205
W2WH-0100-TAD			26.5				2.8	15	170
W2WH-0201-CAB			35.9				13.0	20	296
W2WH-0201-TAC			35.9				8.3	15	294
W2WH-0201-TAD			35.9				4.4	15	305
W2WH-0300-TAC			61				14.6	25	330
W2WH-0300-TAD			61				8.0	15	330
W2WM-0075-CAV			26.5				6.8	15	166
W2WM-0075-TAC			26.5				4.3	15	166
W2WM-0202-TAC			35.9				8.5	15	308
W3DD-2002-TSD		260					41.3	70	1160
W3DH-1512-TFD		204					36.3	60	946
W3DH-2512-TSE		248					43.0	70	950
W3WM-0100-CAV		26.2					9.4	15	170
W3WM-0100-TAC		26.2					5.6	15	170
W3WM-0100-TAD		26.2					2.8	15	170
W3WM-0201-TAD		32					3.8	15	233
W7WB-0075-TAC	28.9						3.4	15	166
W7WB-0100-TAC	28.9						4.3	15	172
W7WB-0100-TAD	28.9						2.6	15	172
WFDP-0300-CFB	76			60			33.4	50	491
WFDP-0300-TFC	76			60			22.2	35	491
WFDP-0300-TFD	76			60			10.9	15	490
WFDP-0300-TFE	76			60			9.5	15	491
WFDP-0350-TFC				60			34.0	50	320
WFDP-0350-TFD				60			13.5	20	320
WFDP-0400-TFC			70	60			37.2	60	250
WFDP-0400-TFD			70	60			13.5	20	250
WFDP-0451-TFC		69		60	66	65	27.9	50	489
WFDP-0451-TFD		69		60	66	65	41.3	70	489
WFDP-0500-TFC	143		132	113			39.0	60	636
WFDP-0500-TFD	143		132	113			17.9	30	643
WFDP-0501-TFC		69		60	66	65	27.9	50	480
WFDP-0550-TFC	143		132	113			40.5	70	640
WFDP-0550-TFD	143		132	113			20.9	35	640
WFDP-0550-TFE	143		132	113			14.9	20	640
WFDP-0600-TFC	160		147	127			49.9	80	719
WFDP-0600-TFD	160		147	127			21.9	35	719
WFDP-0700-TFC	160		147	127			53.7	90	728
WFDP-0700-TFD	160		147	127			24	40	728
WFDP-0700-TFE	160		147	127			22.2	35	728
WFDP-0751-TFC		129		113	122	122	40	70	574

## Physical and Electrical Data

## Semi-hermetic water-cooled condensing units

MODEL	BOM	Compressor Electrical	Length	Width	Height	Liquid Connection	Suction Connection	Discharge Connection	Water Inlet	Water Outlet
WFDP-0751-TFD	001	2DA3R89KE-TFD	46	17	31.41	5/8 S	1 3/8 S	-	1-1/4 FPT	1-1/4 FPT
WFDP-0751-TFE	001	2DA3R89KE-TFE	46	17	31.41	5/8 S	1 3/8 S	-	1-1/4 FPT	1-1/4 FPT
WFDP-1001-TFC	001	3DB3R12ME-TFC	52	17	31.15	7/8 S	1 3/8 S	-	1-1/4 FPT	1-1/4 FPT
WFDP-1001-TFD	001	3DB3R12ME-TFD	52	17	31.15	7/8 S	1-3/8 S	-	1-1/4 FPT	1-1/4 FPT
WFDP-1500-TSD	050	4DHN63KE-TSK	52.02	21.07	37.15	1 1/8 S	1 5/8 S	-	1 1/2 FPT	1 1/2 FPT
WFDP-2511-TSE	001	4DK3R22ME-TSE	64	21.68	32.77	1 1/8 S	1 5/8 S	1 1/8 S	2" FPT	2" FPT
WFDP-3011-TSE	001	4DRNR28ME-TSE	64	21.68	32.77	1 1/8 S	2 1/8 S	1 3/8 S	2" FPT	2" FPT
WJDL-1501-TSC	050	4DL3F63KE-TSK	52.02	19.04	37.61	1 1/8 S	1 5/8 S	-	1 1/2 FPT	1 1/2 FPT
WJDL-1501-TSD	050	4DL3F63KE-TSK	52.02	19.04	37.61	1 1/8 S	1 5/8 S	-	1 1/2 FPT	1 1/2 FPT
WJDL-2701-TSD	050	6DL3F93KE-TSK	64	22.44	42.97	1 1/8 S	2 1/8 S	1 3/8 S	2" FPT	2" FPT
WJWL-0100-CAV	001	KWJB-010E-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WJWL-0100-TAC	001	KWJA-011E-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WJWL-0100-TAD	001	KWJA-011E-TAD	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WJWL-0151-TAC	001	KWLA-016E-TAC	34.8	14.5	16.99	3/8 F	7/8 S	-	3/8 MPT	1/2 FPT
WJWL-0151-TAD	001	KWLA-016E-TAD	34.8	14.5	16.99	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
WJWL-0303-TAC	050	LAHA-032E-TAC	33.87	17	32.2	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT
WJWL-A201-CAV	001	EAVB-021E-CAV	35.33	14.5	20.4	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WJWL-A201-TAC	001	EAVA-021E-TAC	35.33	14.5	20.4	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WJWL-A201-TAD	001	EAVA-021E-TAD	35.33	14.5	20.4	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WJWL-A201-TAE	001	EAVA-021E-TAE	35.33	14.5	20.4	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WJWM-0075-CAV	001	KWNB-007E-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WJWM-0075-TAC	001	KWNA-007E-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WJWM-0100-CAV	007	KARB-010E-CAV	28.6	14.5	17	3/8 S	5/8 S	-	3/8 MPT	1/2 FPT
WJWM-0100-TAC	001	KWRA-010E-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WJWM-0100-TAD	007	KARA-010E-TAC	29.07	17.75	17.53	3/8 S	5/8 S	-	3/8 MPT	1/2 FPT
WJWM-0152-CAV	007	KAGB-010E-CAV	35	19	17.63	1/4 S	5/8 S	-	1/2 MPT	1/2 FPT
WJWM-0152-TAC	001	KWGA-010E-TAC	34.8	14.5	16.99	3/8 F	7/8 S	-	3/8 MPT	1/2 FPT
WJWM-0152-TAD	007	KAGA-010E-TAC	34.8	14.5	16.99	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WJWM-0202-TAC	001	KWKA-020E-TAC	34.8	14.5	17.67	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
WJWM-0203-TAC	001	ERCA-021E-TAC	34	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
WJWM-0203-TAD	001	ERCA-020E-TAD	34	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
WJWM-0300-TAC	001	ERFA-031E-TAC	30	17	24	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT
WJWM-0300-TAD	001	ERFA-031E-TAD	30	17	24	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT
WJWM-0300-TAE	001	ERFA-031E-TAE	30	17	24	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT
WJWU-0500-TFC	001	9TK2-050E-TFC	41.11	20.26	31.21	5/8 S	1-3/8 S	-	1-1/4 FPT	1-1/4 FPT
WSWM-0075-TAC	001	KWG1-0075-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WSWM-0100-TAC	001	KWK1-0100-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WTWH-0075-CAV	001	KWMB-007E-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WTWH-0100-CAV	001	KWJB-010E-CAV	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WTWH-0100-TAC	001	KWJA-011E-TAC	27.3	14.5	17.5	3/8 S	5/8 S	-	3/4 FPT	3/4 FPT
WTWH-A201-CAV	001	EAVB-021E-CAV	35.33	14.5	20.4	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WTWH-A201-TAC	001	EAVA-021E-TAC	35.64	18.75	21.11	3/8 S	7/8 S	-	1/2 MPT	1/2 FPT
WTWH-A201-TAD	001	EAVA-021E-TAD	35.33	14.5	20.4	3/8 S	7/8 S	-	1/2 FPT	1/2 FPT
WTWM-0300-TAC	050	LAHA-031E-TAC	33.87	17	32.2	1/2 S	1-1/8 S	-	1 1/4 FPT	1 1/4 FPT

## Physical and Electrical Data

## Semi-hermetic water-cooled condensing units

MODEL	Receiver Capacity (Lbs @ 90% Volume)						MCA	Max Fuse	Ship Weight
	R-12	R-22	134a	404A	407A	407C			
WFDP-0751-TFD		129		113	122	122	17.6	30	574
WFDP-0751-TFE		129		113	122	122	16.6	25	574
WFDP-1001-TFC		145		127	137	136	54.5	90	730
WFDP-1001-TFD		145		127	137	136	25	45	730
WFDP-1500-TSD				136			33.6	50	900
WFDP-2511-TSE		248		216	234	233	48.5	80	1100
WFDP-3011-TSE		248		216	234	233	61.6	110	1100
WJDL-1501-TSC				136			66.9	110	865
WJDL-1501-TSD				136			33.6	50	865
WJDL-2701-TSD				136			51.2	90	1195
WJWL-0100-CAV				22.8			8.6	15	177
WJWL-0100-TAC				22.8			5.8	15	200
WJWL-0100-TAD				22.8			2.6	15	189
WJWL-0151-TAC				28.4			8.3	15	214
WJWL-0151-TAD				28.4			4.3	15	224
WJWL-0303-TAC				52			17.2	25	405
WJWL-A201-CAV				30.7			19.0	30	314
WJWL-A201-TAC				30.7			9.9	15	308
WJWL-A201-TAD				30.7			5.4	15	325
WJWL-A201-TAE				30.7			4.5	15	325
WJWM-0075-CAV				22.8			6.8	15	174
WJWM-0075-TAC				22.8			3.8	15	177
WJWM-0100-CAV				22.8			9.9	15	198
WJWM-0100-TAC				22.8			5.4	15	201
WJWM-0100-TAD				22.8			6.0	15	210
WJWM-0152-CAV				28.4			10.0	15	225
WJWM-0152-TAC				28.4			5.4	15	178
WJWM-0152-TAD				28.4			6.0	15	232
WJWM-0202-TAC				30.7			8.5	15	225
WJWM-0203-TAC				30.7			11.0	15	270
WJWM-0203-TAD				30.7			4.4	15	306
WJWM-0300-TAC				52			15.5	25	326
WJWM-0300-TAD				52			7.3	15	326
WJWM-0300-TAE				52			6.5	15	326
WJWU-0500-TFC				60			25.4	45	566
WSWM-0075-TAC	28.9						3.3	15	166
WSWM-0100-TAC	28.9						4.1	15	202
WTWH-0075-CAV			26.5				7.0	15	178
WTWH-0100-CAV			26.5				8.6	15	176
WTWH-0100-TAC			26.5				5.8	15	176
WTWH-A201-CAV			35.9				19.0	30	311
WTWH-A201-TAC			35.9				9.9	15	311
WTWH-A201-TAD			35.9				5.4	15	320
WTWM-0300-TAC			61				11.8	15	376

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