

Condensing unit

HB40230202

HBP

R-452A / R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ	637	2171
R-404A	50HZ	660	2251
R-448A	50HZ	590	2011
R-449A	50HZ	590	2012

(*) Operating conditions ARI_90F : Dew / T°Ambient 90°F / T°Evap 20°F / T°Return gas temp. 65°F / T°Subcooling 5°F

General

Condensing Unit Type	INDOOR
Family Condensing Unit	Standard Air Cooled Unit
Design Ambient Temp °C (°F)	32 (90)

Mechanical

Fan Qty	1
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Electrical

Current RLA 50Hz (A)	3.2
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Dimensions

Weight	23 kg (51 lb)
Length	501 mm (19.7 in)
Width	346 mm (13.6 in)
Height	298 mm (11.7 in)



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AET4440ZHR-FZ

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI_90F
Conditions DEW

Return gas temp. : 65 °F
Subcooling : 5 °F

50HZ R-452A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1563	1959	2394	2867	3377	3924
	Power Input	(W)	352	384	418	452	488	524
	Amps	(A)	2.56	2.67	2.78	2.9	3.03	3.17
	Condensing	(°F)	107	111	114	119	123	127
100	Refrig. Capacity	(Btu/h)	1411	1775	2172	2600	3060	3555
	Power Input	(W)	360	396	433	471	511	551
	Amps	(A)	2.58	2.7	2.83	2.96	3.11	3.26
	Condensing	(°F)	116	119	122	126	130	135
115	Refrig. Capacity	(Btu/h)	1175	1494	1834	2198	2587	3008
	Power Input	(W)	372	413	455	499	544	590
	Amps	(A)	2.6	2.74	2.9	3.06	3.22	3.39
	Condensing	(°F)	128	131	134	138	141	145

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50HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1651	2042	2469	2926	3407	3904
	Power Input	(W)	366	399	431	464	498	532
	Amps	(A)	2.68	2.77	2.88	2.99	3.1	3.23
	Condensing	(°F)	106	110	114	118	122	127
100	Refrig. Capacity	(Btu/h)	1487	1844	2229	2638	3065	3504
	Power Input	(W)	376	412	448	484	521	559
	Amps	(A)	2.7	2.81	2.93	3.05	3.18	3.32
	Condensing	(°F)	115	118	122	126	130	135
115	Refrig. Capacity	(Btu/h)	1237	1543	1866	2203	2552	2908
	Power Input	(W)	390	431	472	514	556	600
	Amps	(A)	2.73	2.87	3.01	3.15	3.3	3.46
	Condensing	(°F)	128	131	134	138	142	146



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AET4440ZHR-FZ

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI_90F
Conditions DEW

Return gas temp. : 65 °F
Subcooling : 5 °F

50HZ R-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1393	1792	2244	2748	3301	3901
	Power Input	(W)	337	370	403	438	474	511
	Amps	(A)	2.44	2.55	2.67	2.79	2.93	3.08
	Condensing	(°F)	110	114	117	121	125	130
100	Refrig. Capacity	(Btu/h)	1259	1631	2049	2514	3025	3579
	Power Input	(W)	346	382	419	457	497	539
	Amps	(A)	2.46	2.59	2.72	2.86	3.02	3.18
	Condensing	(°F)	119	122	125	129	133	138
115	Refrig. Capacity	(Btu/h)	1058	1390	1759	2167	2615	3102
	Power Input	(W)	358	399	441	486	532	580
	Amps	(A)	2.49	2.64	2.8	2.97	3.14	3.33
	Condensing	(°F)	132	135	138	141	145	149

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50HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1394	1793	2244	2748	3303	3902
	Power Input	(W)	337	370	403	438	474	511
	Amps	(A)	2.44	2.55	2.67	2.79	2.93	3.08
	Condensing	(°F)	110	114	117	121	125	130
100	Refrig. Capacity	(Btu/h)	1260	1632	2050	2515	3026	3581
	Power Input	(W)	346	382	419	457	497	539
	Amps	(A)	2.46	2.59	2.72	2.86	3.02	3.18
	Condensing	(°F)	119	122	125	129	133	138
115	Refrig. Capacity	(Btu/h)	1058	1391	1759	2168	2616	3105
	Power Input	(W)	358	399	441	486	532	580
	Amps	(A)	2.49	2.64	2.8	2.97	3.14	3.33
	Condensing	(°F)	132	135	138	141	145	149

* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.