



tecumseh

FHT4538ZHR-XG

380-420V 3~ 50Hz

Condensing unit

3H73920234

HBP

R-452A / R-404A

Voltage Code : GB

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ	5492	18728
R-404A	50HZ	5878	20042
R-448A	50HZ	5449	18582
R-449A	50HZ	5434	18532

(*) 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)	43 (109)

Mechanical

Fan Qty	1
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Electrical

Current RLA 50Hz (A)	7.2
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Dimensions

Weight	64.6 kg (142 lb)
Length	643 mm (25.3 in)
Width	592 mm (23.3 in)
Height	540 mm (21.3 in)

Note : Tecumseh reserves the right to change information contained in this document without notification.



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380-420V 3~ 50Hz

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)	13355	16885	20617	24507	28516	32622
	Power Input	(W)	2249	2563	2886	3219	3563	3916
	Amps	(A)	5.33	5.77	6.22	6.7	7.21	7.75
	Condensing	(°F)	110	114	119	124	129	134
100	Refrig. Capacity	(Btu/h)	11806	15103	18550	22125	25810	29618
	Power Input	(W)	2288	2623	2968	3321	3683	4051
	Amps	(A)	5.37	5.86	6.35	6.86	7.4	7.96
	Condensing	(°F)	118	122	127	131	136	140
115	Refrig. Capacity	(Btu/h)	9462	12412	15442	18557	21783	25194
	Power Input	(W)	2329	2699	3077	3461	3850	4242
	Amps	(A)	5.38	5.95	6.51	7.08	7.67	8.26
	Condensing	(°F)	131	134	138	142	146	150

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50HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	14669	18198	21929	25796	29740	33722
	Power Input	(W)	2312	2607	2908	3217	3531	3850
	Amps	(A)	5.48	5.87	6.28	6.71	7.16	7.65
	Condensing	(°F)	105	109	114	119	124	129
100	Refrig. Capacity	(Btu/h)	13072	16333	19740	23247	26821	30459
	Power Input	(W)	2364	2679	3002	3330	3662	3998
	Amps	(A)	5.54	5.97	6.42	6.89	7.37	7.88
	Condensing	(°F)	114	118	122	126	131	136
115	Refrig. Capacity	(Btu/h)	10631	13496	16426	19410	22456	25626
	Power Input	(W)	2433	2779	3132	3490	3850	4210
	Amps	(A)	5.61	6.12	6.62	7.14	7.67	8.21
	Condensing	(°F)	126	130	134	138	142	146



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380-420V 3~ 50Hz

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)	12787	16550	20712	25253	30143	35345
	Power Input	(W)	2121	2406	2703	3012	3334	3670
	Amps	(A)	5.08	5.48	5.89	6.34	6.81	7.33
	Condensing	(°F)	108	112	116	120	125	130
100	Refrig. Capacity	(Btu/h)	11409	14949	18837	23064	27614	32465
	Power Input	(W)	2169	2476	2797	3130	3477	3837
	Amps	(A)	5.14	5.58	6.04	6.53	7.04	7.6
	Condensing	(°F)	117	120	124	128	133	137
115	Refrig. Capacity	(Btu/h)	9318	12534	16019	19784	23832	28166
	Power Input	(W)	2231	2571	2928	3299	3683	4080
	Amps	(A)	5.2	5.72	6.25	6.8	7.37	7.98
	Condensing	(°F)	129	132	136	140	144	148

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50HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	12761	16509	20650	25163	30019	35181
	Power Input	(W)	2123	2409	2707	3018	3343	3682
	Amps	(A)	5.09	5.48	5.9	6.35	6.83	7.35
	Condensing	(°F)	108	112	116	121	126	131
100	Refrig. Capacity	(Btu/h)	11381	14907	18773	22973	27489	32303
	Power Input	(W)	2170	2478	2801	3136	3485	3848
	Amps	(A)	5.14	5.58	6.05	6.53	7.06	7.61
	Condensing	(°F)	117	120	124	128	133	138
115	Refrig. Capacity	(Btu/h)	9288	12489	15954	19692	23708	28009
	Power Input	(W)	2232	2573	2931	3304	3691	4091
	Amps	(A)	5.21	5.72	6.25	6.8	7.39	8
	Condensing	(°F)	129	133	136	140	144	149

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