

Condensing unit

Voltage Code : TZ

TAGDT4590ZHR-TZ

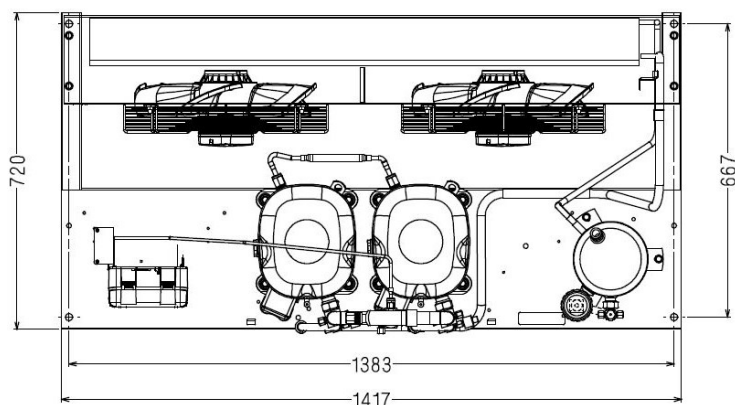
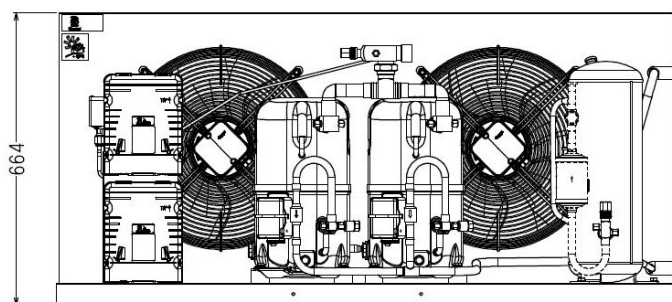
High Temp. Commercial (HP)

400V 3~ 50Hz / 440V 3~ 60 Hz

R452A / R404A / R448A / R449A

TAGDT4590ZHR-TZ

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz	20727	70681	88 dBA
EN13215 / R404A	50 Hz	21192	72264	88 dBA
EN13215 / R448A	50 Hz	19872	67763	87 dBA
EN13215 / R449A	50 Hz	19884	67805	87 dBA



* EN13215 : T°Ambient 32.0°C / T°Evap. 5.0°C / T°Return gas temp.. 20.0°C
T°Subcooling. 3.0K

Net Weight (Kg)	175.0
Expansion device	Expansion_Valve
Air Flow (m³/h)	8270 / 9400
Compo Data Sheet	227CU-T
Elec Comp Type	TRI
Current (Amp)	
Load Rated Amp	16.3 17.4
Max Cont Current	28.9 27.6
Lock Rotor Amp	90 92
Fan	
Speed (rpm)	1360 / 1520
Power (W)	280.0
Diameter (mm)	420
Protection	Overload
IP Level	IP54
Condenser	B420G/50000
Liquid Receiver	
Capacity (L)	9.5
Maximum Pressure (Bars)	32.0
Suction Line	
Suction Type	Vanne Orientable
For Tubing Out Diam	28.6 (1"1/8)
Suction Connection Type	Brased
Liquid Line	
Liquid Line Type	Vanne Orientable
For Tubing Out Diam	15.9 (5/8")
Liquid Connection Type	Brased
Connection Type	VR
Fan Guard	maille < à 8mm

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

TAGDT4590ZHR-TZ	Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz
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Les performances sont données dans les conditions EN13215 :	Gaz aspirés : 20.0 °C
Condition Dew	Sous refroidissement : 3.0 K
The performance data are in EN13215 conditions :	Return gas : 20.0 °C
Dew Condition	Subcooling : 3.0 K

50 Hz R452A											
											N°6084
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	6101	8247	10742	13562	16669	20005	23498	27063	30612
	2 P absorbée	(W)	3936	4604	5271	5949	6652	7392	8185	9045	9987
	3 I absorbée	(A)	9.73	10.6	11.5	12.4	13.4	14.5	15.7	16.9	18.3
	4 Tc	(°C)	26.8	28.6	30.5	32.7	35.1	37.8	40.7	43.9	47.3
32	1 P frigorifique	(Watt)		6901	9180	11739	14547	17562	20727	23980	27261
	2 P absorbée	(W)		4546	5290	6038	6801	7595	8432	9328	10297
	3 I absorbée	(A)		10.5	11.5	12.5	13.6	14.7	15.9	17.3	18.7
	4 Tc	(°C)		34.7	36.6	38.6	40.9	43.4	46.1	49.0	52.2
43	1 P frigorifique	(Watt)			6800	8943	11283	13797	16459	19246	22167
	2 P absorbée	(W)			5150	6029	6911	7807	8733	9700	10724
	3 I absorbée	(A)			11.3	12.4	13.7	14.9	16.2	17.6	19.1
	4 Tc	(°C)			46.2	48.1	50.1	52.3	54.6	57.2	60.0

50 Hz R404A											
											N°5120
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	6669	8881	11431	14286	17395	20692	24092	27499	30815
	2 P absorbée	(W)	4156	4839	5518	6203	6907	7643	8424	9262	10173
	3 I absorbée	(A)	10.2	11.1	11.9	12.9	13.9	15.0	16.1	17.3	18.7
	4 Tc	(°C)	29.7	31.5	33.4	35.5	37.9	40.5	43.3	46.3	49.7
32	1 P frigorifique	(Watt)	5409	7456	9783	12367	15167	18131	21192	24274	27307
	2 P absorbée	(W)	4032	4800	5556	6310	7074	7861	8684	9555	10489
	3 I absorbée	(A)	10.0	11.0	12.0	13.0	14.1	15.2	16.4	17.7	19.0
	4 Tc	(°C)	35.8	37.5	39.3	41.3	43.5	45.9	48.5	51.3	54.3
43	1 P frigorifique	(Watt)			7276	9435	11753	14199	16737	19328	21964
	2 P absorbée	(W)			5449	6334	7214	8101	9008	9946	10929
	3 I absorbée	(A)			11.8	13.0	14.2	15.4	16.7	18.1	19.5
	4 Tc	(°C)			48.6	50.4	52.3	54.4	56.6	59.0	61.6

1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature

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TAGDT4590ZHR-TZ	Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz
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Les performances sont données dans les conditions EN13215 :	Gaz aspirés : 20.0 °C
Condition Dew	Sous refroidissement : 3.0 K
The performance data are in EN13215 conditions :	Return gas : 20.0 °C
Dew Condition	Subcooling : 3.0 K

50 Hz R448A (*)											
											N°6965
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	5114	7144	9525	12254	15318	18684	22311	26142	30116
	2 P absorbée	(W)	3690	4325	4970	5633	6327	7063	7856	8721	9675
	3 I absorbée	(A)	9.22	10.0	10.9	11.8	12.8	13.9	15.1	16.3	17.8
	4 Tc	(°C)	27.1	28.9	30.9	33.1	35.5	38.2	41.1	44.3	47.8
32	1 P frigorifique	(Watt)		5953	8135	10630	13432	16523	19872	23439	27182
	2 P absorbée	(W)		4274	4992	5725	6483	7278	8123	9033	10024
	3 I absorbée	(A)		9.96	10.9	11.9	13.0	14.1	15.4	16.7	18.2
	4 Tc	(°C)		35.1	37.0	39.1	41.3	43.8	46.5	49.5	52.7
43	1 P frigorifique	(Watt)			6039	8172	10570	13233	16151		
	2 P absorbée	(W)			4853	5721	6604	7513	8459		
	3 I absorbée	(A)			10.7	11.9	13.1	14.4	15.8		
	4 Tc	(°C)			46.7	48.5	50.6	52.8	55.1		

50 Hz R449A (*)											
											N°5703
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	5117	7147	9530	12261	15327	18696	22326	26160	30137
	2 P absorbée	(W)	3690	4325	4970	5633	6327	7063	7856	8721	9675
	3 I absorbée	(A)	9.22	10.0	10.9	11.8	12.8	13.9	15.1	16.3	17.8
	4 Tc	(°C)	27.1	28.9	30.9	33.1	35.5	38.2	41.1	44.3	47.8
32	1 P frigorifique	(Watt)		5956	8139	10636	13440	16533	19884	23454	27199
	2 P absorbée	(W)		4274	4992	5725	6483	7278	8123	9033	10024
	3 I absorbée	(A)		9.96	10.9	11.9	13.0	14.1	15.4	16.7	18.2
	4 Tc	(°C)		35.1	37.0	39.0	41.3	43.8	46.5	49.4	52.6
43	1 P frigorifique	(Watt)			6042	8176	10575	13239	16160		
	2 P absorbée	(W)			4853	5721	6604	7513	8459		
	3 I absorbée	(A)			10.7	11.9	13.1	14.4	15.8		
	4 Tc	(°C)			46.6	48.5	50.5	52.7	55.1		

1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature											
(*) Veuillez vous référer strictement aux Recommandations d'Utilisation et Bulletins Marketing Tecumseh du fait de la température de refoulement élevée pour les applications LBP.											
(*) Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.											
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