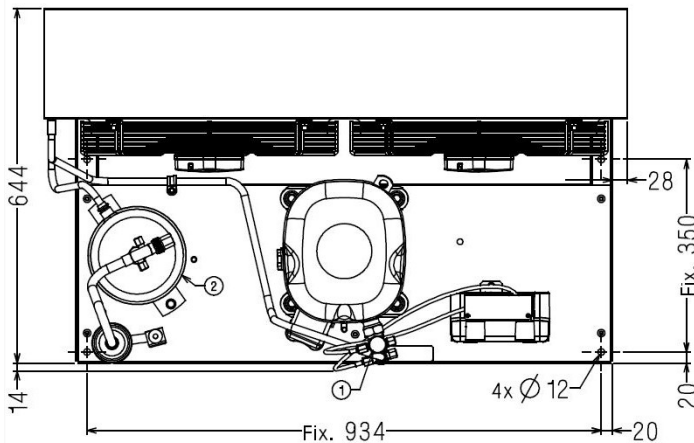
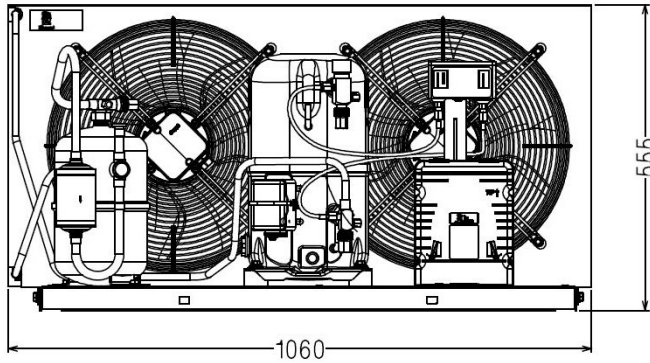


**Condensing unit**  
**Voltage Code : TZ**

# TAGT4581ZHR-TZ

**High Temp. Commercial (HP)**
**400V 3~ 50Hz / 440V 3~ 60 Hz**
**R452A / R404A / R448A / R449A**
**TAGT4581ZHR-TZ**

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz / 60 Hz	10636 / 11901	36268 / 40583	86 dBA
EN13215 / R404A	50 Hz / 60 Hz	11386 / 12432	38825 / 42394	86 dBA
EN13215 / R448A	50 Hz / 60 Hz	9726 / 10935	33167 / 37287	86 dBA
EN13215 / R449A	50 Hz / 60 Hz	9732 / 10941	33185 / 37308	86 dBA



\* EN13215 : T°Ambient 32.0°C / T°Evap. -10.0°C / T°Return gas temp.. 20.0°C  
 T°Subcooling. 3.0K

<b>Net Weight (Kg)</b>	107.0
<b>Expansion device</b>	Expansion_Valve
<b>Air Flow (m³/h)</b>	6000 / 6800
<b>Compo Data Sheet</b>	227MU-T
<b>Elec Comp Type</b>	TRI
<b>Current (Amp)</b>	
Load Rated Amp	15.3   16.9
Max Cont Current	23.1   24.4
Lock Rotor Amp	89   91
<b>Fan</b>	
Speed (rpm)	1360 / 1520
Power (W)	280.0
Diameter (mm)	420
Protection	Overload
IP Level	IP54
<b>Condenser</b>	B420P/45000
<b>Liquid Receiver</b>	
Capacity (L)	6.0
Maximum Pressure (Bars)	32.0
<b>Suction Line</b>	
Suction Type	Vanne Orientable
For Tubing Out Diam	28.6 (1"1/8)
Suction Connection Type	Brased
<b>Liquid Line</b>	
Liquid Line Type	Vanne Orientable
For Tubing Out Diam	15.9 (5/8")
Liquid Connecton Type	Brased
<b>Connection Type</b>	VR
<b>Fan Guard</b>	maille < à 8mm

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<b>TAGT4581ZHR-TZ</b>	<b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

<b>50 Hz R452A</b>											
											<b>N°6724</b>
5   T ambience	6   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>25</b>	1   P frigorifique	(Watt)	6028	7763	9691	11795	14047	16416	18873	21408	24046
	2   P absorbée	(W)	3816	4357	4906	5481	6098	6769	7505	8315	9208
	3   I absorbée	(A)	9.26	9.80	10.4	11.1	11.9	12.9	13.9	15.1	16.4
	4   Tc	(°C)	27.9	29.3	31.2	33.4	35.9	38.7	41.5	44.5	47.5
<b>32</b>	1   P frigorifique	(Watt)		6837	8669	10636	12715	14883	17118	19420	21838
	2   P absorbée	(W)		4390	4994	5613	6264	6964	7724	8555	9466
	3   I absorbée	(A)		9.85	10.5	11.3	12.2	13.1	14.2	15.4	16.7
	4   Tc	(°C)		35.4	37.0	39.0	41.3	43.8	46.5	49.4	52.2
<b>43</b>	1   P frigorifique	(Watt)			6972	8734	10559	12436	14364	16376	18600
	2   P absorbée	(W)			5031	5745	6471	7231	8040	8912	9857
	3   I absorbée	(A)			10.6	11.5	12.4	13.5	14.6	15.9	17.3
	4   Tc	(°C)			46.4	47.9	49.9	52.0	54.4	56.9	59.5

<b>60 Hz R452A</b>											
											<b>N°6724</b>
5   T ambience	6   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>25</b>	1   P frigorifique	(Watt)		8695	10882	13228	15714	18318	21024	23836	26811
	2   P absorbée	(W)		5498	6224	6993	7824	8737	9746	10866	12107
	3   I absorbée	(A)		10.7	11.6	12.5	13.6	14.8	16.1	17.6	19.2
	4   Tc	(°C)		32.4	34.2	36.3	38.7	41.4	44.2	47.1	50.0
<b>32</b>	1   P frigorifique	(Watt)		7613	9704	11901	14195	16571	19023	21574	24322
	2   P absorbée	(W)		5521	6321	7147	8023	8972	10011	11157	12421
	3   I absorbée	(A)		10.7	11.7	12.7	13.8	15.1	16.5	17.9	19.6
	4   Tc	(°C)		38.7	40.2	42.1	44.3	46.8	49.4	52.1	54.9
<b>43</b>	1   P frigorifique	(Watt)			7710	9681	11689	13741	15860	18134	
	2   P absorbée	(W)			6314	7271	8251	9281	10385	11583	
	3   I absorbée	(A)			11.8	12.9	14.1	15.5	16.9	18.4	
	4   Tc	(°C)			49.9	51.4	53.2	55.3	57.6	60.0	

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

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<b>TAGT4581ZHR-TZ</b>	<b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

<b>50 Hz R404A</b>											
											<b>N°6723</b>
5   T ambience	6   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>25</b>	1   P frigorifique	(Watt)	6870	8595	10520	12619	14859	17195	19580	21973	24350
	2   P absorbée	(W)	3719	4270	4831	5413	6031	6696	7419	8209	9078
	3   I absorbée	(A)	9.67	10.2	10.8	11.5	12.3	13.3	14.3	15.4	16.7
	4   Tc	(°C)	30.1	31.9	34.0	36.2	38.6	41.3	44.1	47.0	50.1
<b>32</b>	1   P frigorifique	(Watt)	6002	7651	9453	11386	13422	15526	17661	19799	21940
	2   P absorbée	(W)	3709	4322	4935	5560	6213	6906	7650	8457	9337
	3   I absorbée	(A)	9.68	10.3	11.0	11.7	12.6	13.5	14.6	15.7	17.0
	4   Tc	(°C)	36.1	37.8	39.7	41.8	44.1	46.5	49.1	51.9	54.7
<b>43</b>	1   P frigorifique	(Watt)			7719	9393	11115	12865	14623	16393	18235
	2   P absorbée	(W)			5007	5720	6445	7197	7988	8831	9737
	3   I absorbée	(A)			11.1	12.0	12.9	13.9	15.0	16.2	17.5
	4   Tc	(°C)			48.6	50.5	52.6	54.8	57.1	59.5	62.1

<b>60 Hz R404A</b>											
											<b>N°6723</b>
5   T ambience	6   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>25</b>	1   P frigorifique	(Watt)	7328	9335	11512	13842	16299	18849	21454	24081	26729
	2   P absorbée	(W)	5045	5768	6509	7289	8124	9031	10025	11121	12333
	3   I absorbée	(A)	10.3	11.1	12.0	13.0	14.1	15.3	16.6	18.0	19.5
	4   Tc	(°C)	33.3	35.0	36.9	39.0	41.4	43.9	46.6	49.5	52.4
<b>32</b>	1   P frigorifique	(Watt)		8236	10284	12432	14662	16948	19263	21597	23982
	2   P absorbée	(W)		5820	6629	7464	8343	9284	10305	11421	12647
	3   I absorbée	(A)		11.2	12.1	13.2	14.3	15.5	16.9	18.3	19.9
	4   Tc	(°C)		41.0	42.8	44.8	47.0	49.3	51.9	54.5	57.3
<b>43</b>	1   P frigorifique	(Watt)			8250	10107	11981	13862	15751	17684	
	2   P absorbée	(W)			6677	7630	8607	9626	10709	11872	
	3   I absorbée	(A)			12.3	13.4	14.7	16.0	17.4	18.9	
	4   Tc	(°C)			52.0	53.8	55.8	57.9	60.1	62.4	

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

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<b>TAGT4581ZHR-TZ</b>	<b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

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### 50 Hz R448A (\*)

**N°7050**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	5084	6747	8637	10755	13094	15637	18353	21207	24155
	2   P absorbée	(W)	3600	4118	4648	5202	5795	6438	7146	7934	8819
	3   I absorbée	(A)	8.83	9.35	9.95	10.6	11.4	12.3	13.3	14.5	15.8
	4   Tc	(°C)	28.3	30.0	31.8	33.8	36.0	38.5	41.2	44.2	47.5
<b>32</b>	1   P frigorifique	(Watt)		5953	7742	9726	11905	14265	16787	19441	22197
	2   P absorbée	(W)		4151	4736	5339	5974	6654	7395	8210	9118
	3   I absorbée	(A)		9.42	10.1	10.8	11.7	12.6	13.7	14.9	16.2
	4   Tc	(°C)		35.9	37.6	39.5	41.6	44.0	46.5	49.3	52.3
<b>43</b>	1   P frigorifique	(Watt)			6304	8088	10025	12111	14338	16694	
	2   P absorbée	(W)			4775	5478	6200	6956	7761	8632	
	3   I absorbée	(A)			10.2	11.1	12.0	13.0	14.2	15.4	
	4   Tc	(°C)			46.9	48.6	50.5	52.5	54.8	57.3	

### 60 Hz R448A (\*)

**N°7050**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)		7563	9722	12103	14710	17536	20561	23760	27104
	2   P absorbée	(W)		5213	5913	6655	7455	8334	9311	10406	11640
	3   I absorbée	(A)		10.2	11.1	12.0	13.1	14.2	15.5	17.0	18.6
	4   Tc	(°C)		33.1	34.8	36.7	38.9	41.3	43.9	46.8	49.9
<b>32</b>	1   P frigorifique	(Watt)		6633	8692	10935	13369	15995	18803	21776	24899
	2   P absorbée	(W)		5235	6010	6817	7673	8600	9618	10748	12012
	3   I absorbée	(A)		10.3	11.2	12.2	13.3	14.6	15.9	17.4	19.0
	4   Tc	(°C)		39.3	40.9	42.7	44.7	46.9	49.4	52.0	55.0
<b>43</b>	1   P frigorifique	(Watt)				9051	11218	13539			
	2   P absorbée	(W)				6940	7919	8951			
	3   I absorbée	(A)				12.5	13.7	15.0			
	4   Tc	(°C)				52.0	53.8	55.8			

**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 reflux 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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<b>TAGT4581ZHR-TZ</b>	<b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

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**50 Hz R449A (\*)**

**N°6822**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	5086	6750	8641	10761	13102	15647	18366	21223	24175
	2   P absorbée	(W)	3600	4118	4648	5202	5795	6438	7146	7934	8819
	3   I absorbée	(A)	8.83	9.35	9.95	10.6	11.4	12.3	13.3	14.5	15.8
	4   Tc	(°C)	28.3	30.0	31.8	33.8	36.1	38.5	41.2	44.2	47.5
<b>32</b>	1   P frigorifique	(Watt)		5956	7746	9732	11912	14274	16798	19454	22212
	2   P absorbée	(W)		4151	4736	5339	5974	6654	7394	8210	9118
	3   I absorbée	(A)		9.42	10.1	10.8	11.7	12.6	13.7	14.9	16.2
	4   Tc	(°C)		35.9	37.6	39.5	41.6	43.9	46.5	49.3	52.3
<b>43</b>	1   P frigorifique	(Watt)			6307	8092	10030	12117	14346	16703	
	2   P absorbée	(W)			4775	5478	6200	6956	7761	8632	
	3   I absorbée	(A)			10.2	11.1	12.0	13.0	14.2	15.4	
	4   Tc	(°C)			46.8	48.5	50.4	52.5	54.7	57.2	

**60 Hz R449A (\*)**

**N°6822**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)		7567	9728	12111	14719	17547	20576	23778	27125
	2   P absorbée	(W)		5213	5913	6655	7455	8334	9311	10406	11640
	3   I absorbée	(A)		10.2	11.1	12.0	13.1	14.2	15.5	17.0	18.6
	4   Tc	(°C)		33.1	34.8	36.8	38.9	41.3	43.9	46.8	49.9
<b>32</b>	1   P frigorifique	(Watt)		6637	8697	10941	13377	16005	18815	21790	24915
	2   P absorbée	(W)		5235	6010	6817	7673	8600	9618	10748	12012
	3   I absorbée	(A)		10.3	11.2	12.2	13.3	14.6	15.9	17.4	19.0
	4   Tc	(°C)		39.3	40.9	42.7	44.7	46.9	49.3	52.0	54.9
<b>43</b>	1   P frigorifique	(Watt)				9055	11224	13546			
	2   P absorbée	(W)				6940	7919	8951			
	3   I absorbée	(A)				12.5	13.7	15.0			
	4   Tc	(°C)				52.0	53.8	55.7			

**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 reflux 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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