



Condensing unit  
Voltage Code : TZ

# SILAGD4612Z-TZ

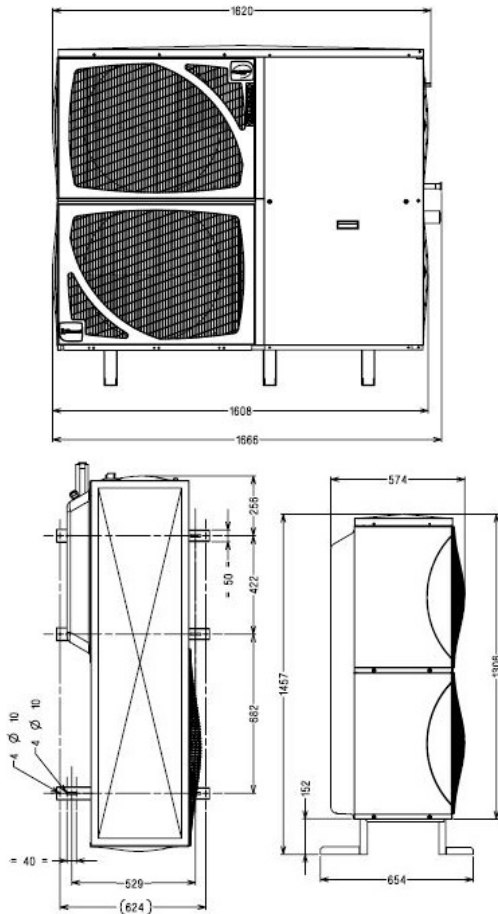
High Temp. Commercial (HP)

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

R452A / R404A / R448A / R449A

# SILAGD4612Z-TZ

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz / 60 Hz	24949 / 28741	85075 / 98007	79 dBA
EN13215 / R404A	50 Hz / 60 Hz	25467 / 29232	86842 / 99680	79 dBA
EN13215 / R448A	50 Hz / 60 Hz	24032 / 28001	81948 / 95483	79 dBA
EN13215 / R449A	50 Hz / 60 Hz	24047 / 28019	82000 / 95545	79 dBA



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

<b>Net Weight (Kg)</b>	253.0
<b>Expansion device</b>	Expansion_Valve
<b>Air Flow (m³/h)</b>	6600 / 6600
<b>Compo Data Sheet</b>	227GU-T
<b>Elec Comp Type</b>	TRI
<b>Current (Amp)</b>	
Load Rated Amp	19.6   20
Max Cont Current	32   31
Lock Rotor Amp	101   105
<b>Fan</b>	
Speed (rpm)	870 / 870
Power (W)	180.0
Diameter (mm)	500
Protection	Thermostat
IP Level	IP44
<b>Condenser</b>	2x500/20200
<b>Liquid Receiver</b>	
Capacity (L)	12.0
Maximum Pressure (Bars)	32.0
<b>Suction Line</b>	
Suction Type	Tube / Tube
For Tubing Out Diam	34.9 (1 3/8)
Suction Connection Type	Brased
<b>Liquid Line</b>	
Liquid Line Type	Tube
For Tubing Out Diam	22.2 (7/8")
Liquid Connecton Type	Brased
<b>Connection Type</b>	TT
<b>Fan Guard</b>	maille < à 8mm

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<b>SILAGD4612Z-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°5805</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)	8047	10703	13749	17144	20804	24592	28319	31734	34559
	2   P absorbée	(W)	4861	5678	6509	7383	8328	9372	10544	11875	13394
	3   I absorbée	(A)	10.7	11.6	12.6	13.8	15.1	16.5	18.2	20.0	22.2
	4   Tc	(°C)	28.1	29.6	31.3	33.3	35.7	38.5	41.8	45.8	50.4
<b>32</b>	1   P frigorifique	(Watt)		9014	11795	14858	18146	21559	24949	28126	30895
	2   P absorbée	(W)		5666	6590	7540	8543	9628	10825	12165	13680
	3   I absorbée	(A)		11.6	12.7	13.9	15.3	16.8	18.5	20.4	22.5
	4   Tc	(°C)		36.1	37.8	39.7	41.9	44.4	47.4	50.9	55.0
<b>43</b>	1   P frigorifique	(Watt)			8666	11256	14004	16867	19772	22634	
	2   P absorbée	(W)			6489	7606	8745	9934	11203	12583	
	3   I absorbée	(A)			12.7	14.1	15.6	17.2	19.0	20.9	
	4   Tc	(°C)			48.1	49.9	51.8	53.9	56.3	59.1	

<b>60 Hz R452A</b>											
											<b>N°5805</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)	10030	13039	16576	20474	24530	28504	32111	35033	37021
	2   P absorbée	(W)	5966	7059	8202	9414	10717	12138	13704	15444	17389
	3   I absorbée	(A)	11.5	12.9	14.5	16.1	18.0	20.0	22.2	24.6	27.2
	4   Tc	(°C)	28.9	30.9	33.1	35.6	38.4	41.7	45.6	50.3	55.7
<b>32</b>	1   P frigorifique	(Watt)		11050	14230	17790	21546	25281	28741	31668	33950
	2   P absorbée	(W)		6972	8214	9508	10875	12338	13927	15670	17597
	3   I absorbée	(A)		12.8	14.5	16.2	18.1	20.1	22.3	24.7	27.3
	4   Tc	(°C)		37.4	39.5	41.8	44.3	47.3	50.7	54.8	59.6
<b>43</b>	1   P frigorifique	(Watt)			10510	13453	16671	19994	23238		
	2   P absorbée	(W)			7945	9424	10940	12515	14175		
	3   I absorbée	(A)			14.3	16.2	18.1	20.2	22.5		
	4   Tc	(°C)			49.7	51.7	53.8	56.2	58.9		

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

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<b>SILAGD4612Z-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°5384</b>											
5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	8775	11498	14601	18028	21681	25409	29001	32191	34676
	2   P absorbée	(W)	5139	5971	6817	7703	8656	9702	10868	12179	13663
	3   I absorbée	(A)	11.2	12.2	13.2	14.3	15.6	17.0	18.7	20.5	22.6
	4   Tc	(°C)	31.0	32.4	34.1	36.1	38.4	41.1	44.4	48.2	52.6
<b>32</b>	1   P frigorifique	(Watt)		9722	12544	15622	18887	22223	25467	28410	30828
	2   P absorbée	(W)		5989	6926	7885	8893	9975	11160	12476	13951
	3   I absorbée	(A)		12.1	13.3	14.5	15.9	17.4	19.0	20.9	23.0
	4   Tc	(°C)		38.8	40.5	42.3	44.4	46.9	49.7	53.1	57.0
<b>43</b>	1   P frigorifique	(Watt)			9274	11858	14560	17322	20056	22653	
	2   P absorbée	(W)			6879	8000	9137	10316	11564	12911	
	3   I absorbée	(A)			13.3	14.7	16.2	17.8	19.5	21.4	
	4   Tc	(°C)			50.4	52.1	53.9	55.9	58.2	60.8	

<b>60 Hz R404A</b>											
<b>N°5384</b>											
5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	10916	14016	17611	21520	25526	29373	32756	35334	36803
	2   P absorbée	(W)	6322	7443	8611	9843	11160	12585	14142	15855	17749
	3   I absorbée	(A)	12.0	13.5	15.1	16.8	18.7	20.7	22.8	25.2	27.7
	4   Tc	(°C)	31.8	33.8	35.9	38.3	41.1	44.3	48.0	52.5	57.7
<b>32</b>	1   P frigorifique	(Watt)		11902	15134	18698	22398	26000	29232	31805	33528
	2   P absorbée	(W)		7389	8655	9967	11342	12805	14379	16090	17963
	3   I absorbée	(A)		13.5	15.1	16.9	18.8	20.8	23.0	25.3	27.9
	4   Tc	(°C)		40.1	42.1	44.3	46.8	49.6	52.9	56.8	61.3
<b>43</b>	1   P frigorifique	(Watt)			11264	14195	17339	20507	23495		
	2   P absorbée	(W)			8451	9941	11458	13023	14659		
	3   I absorbée	(A)			15.1	16.9	18.9	21.0	23.2		
	4   Tc	(°C)			52.0	53.8	55.9	58.1	60.6		

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<b>SILAGD4612Z-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°6854**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	6774	9312	12240	15544	19172	23029	26971	30805	34298
	2   P absorbée	(W)	4564	5339	6139	6989	7915	8945	10111	11447	12994
	3   I absorbée	(A)	10.2	11.0	12.0	13.1	14.4	15.8	17.5	19.4	21.5
	4   Tc	(°C)	28.4	29.9	31.6	33.7	36.1	38.9	42.3	46.2	50.9
<b>32</b>	1   P frigorifique	(Watt)		7802	10498	13515	16827	20367	24032	27671	31106
	2   P absorbée	(W)		5332	6225	7155	8146	9228	10431	11790	13343
	3   I absorbée	(A)		11.0	12.1	13.3	14.7	16.2	17.9	19.8	22.0
	4   Tc	(°C)		36.5	38.2	40.1	42.3	44.9	47.9	51.4	55.5
<b>43</b>	1   P frigorifique	(Watt)			7720	10348	13214	16300	19557		
	2   P absorbée	(W)			6116	7223	8367	9572	10868		
	3   I absorbée	(A)			12.1	13.5	15.0	16.6	18.4		
	4   Tc	(°C)			48.6	50.4	52.3	54.4	56.8		

### 60 Hz R448A (\*)

**N°6854**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	8498	11343	14754	18595	22702	26884	30915	34538	37488
	2   P absorbée	(W)	5593	6626	7723	8901	10182	11594	13169	14946	16972
	3   I absorbée	(A)	10.9	12.2	13.7	15.3	17.1	19.1	21.3	23.8	26.5
	4   Tc	(°C)	29.2	31.3	33.5	36.0	38.8	42.2	46.1	50.8	56.2
<b>32</b>	1   P frigorifique	(Watt)		9598	12678	16221	20077	24073	28001	31634	
	2   P absorbée	(W)		6551	7748	9012	10365	11830	13439	15229	
	3   I absorbée	(A)		12.2	13.7	15.4	17.3	19.3	21.5	24.0	
	4   Tc	(°C)		37.8	39.9	42.2	44.8	47.8	51.2	55.3	
<b>43</b>	1   P frigorifique	(Watt)				12387	15804	19474			
	2   P absorbée	(W)				8923	10445	12042			
	3   I absorbée	(A)				15.4	17.4	19.5			
	4   Tc	(°C)				52.2	54.3	56.6			

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(\*) 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>SILAGD4612Z-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 R449A (*)</b>											
											<b>N°5325</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)	6777	9316	12246	15552	19183	23043	26989	30827	34323
	2   P absorbée	(W)	4564	5339	6139	6989	7915	8945	10111	11447	12994
	3   I absorbée	(A)	10.2	11.0	12.0	13.1	14.4	15.8	17.5	19.4	21.5
	4   Tc	(°C)	28.4	29.9	31.7	33.7	36.1	38.9	42.3	46.2	50.8
<b>32</b>	1   P frigorifique	(Watt)		7805	10503	13523	16836	20380	24047	27689	31126
	2   P absorbée	(W)		5332	6225	7155	8146	9228	10431	11790	13343
	3   I absorbée	(A)		11.0	12.1	13.3	14.7	16.2	17.9	19.8	22.0
	4   Tc	(°C)		36.5	38.2	40.1	42.3	44.9	47.8	51.3	55.4
<b>43</b>	1   P frigorifique	(Watt)			7724	10353	13221	16308	19567		
	2   P absorbée	(W)			6116	7223	8367	9572	10868		
	3   I absorbée	(A)			12.1	13.5	15.0	16.6	18.4		
	4   Tc	(°C)			48.5	50.3	52.2	54.3	56.7		

<b>60 Hz R449A (*)</b>											
											<b>N°5325</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)	8501	11349	14762	18605	22716	26902	30937	34564	37514
	2   P absorbée	(W)	5593	6626	7723	8901	10182	11594	13169	14946	16972
	3   I absorbée	(A)	10.9	12.2	13.7	15.3	17.1	19.1	21.3	23.8	26.5
	4   Tc	(°C)	29.2	31.3	33.5	36.0	38.8	42.2	46.1	50.7	56.2
<b>32</b>	1   P frigorifique	(Watt)		9603	12685	16230	20089	24088	28019	31654	
	2   P absorbée	(W)		6551	7748	9012	10365	11830	13439	15229	
	3   I absorbée	(A)		12.2	13.7	15.4	17.3	19.3	21.5	24.0	
	4   Tc	(°C)		37.8	39.9	42.2	44.8	47.7	51.2	55.2	
<b>43</b>	1   P frigorifique	(Watt)				12393	15812	19484			
	2   P absorbée	(W)				8923	10445	12042			
	3   I absorbée	(A)				15.4	17.4	19.5			
	4   Tc	(°C)				52.2	54.3	56.6			

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