

COMMERCIAL
REFRIGERATION

wintsys
BY TECUMSEH

NEW GENERATION OF READY TO USE HOUSED UNITS

TECUMSEH INNOVATION

The economic solution
for outdoor installations

- Pre-equipped - Ready to use
- Ergonomic - Easy to install
- Reliable - l'Unité Hermétique know how

The broadest range on the market,
available near you



 Tecumseh



The new generation of Wintsys housed condensing units meets all installer and client expectations in terms of on-site timesaving, compact size, productivity and economic operation.

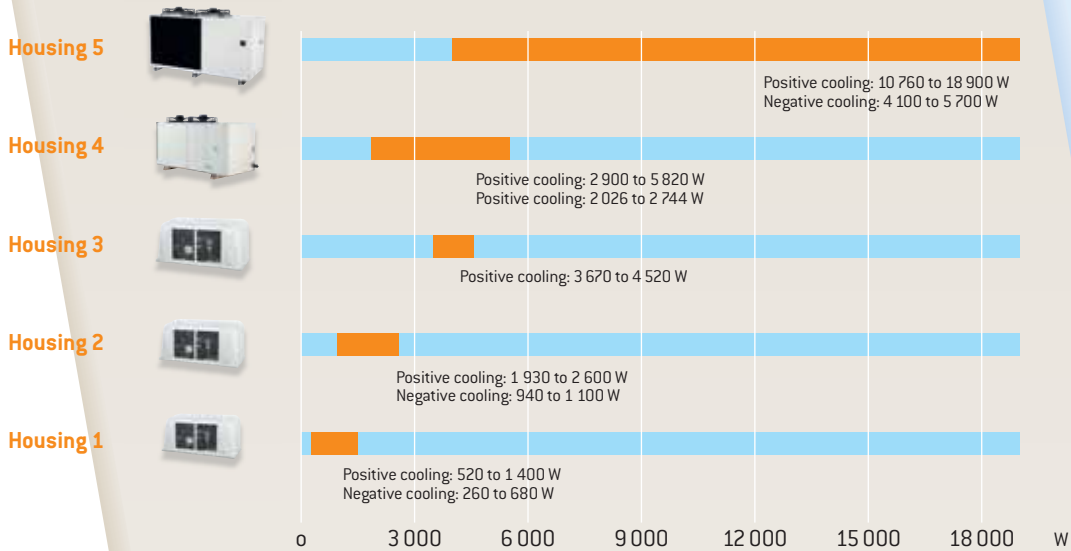
This new range is the broadest on the market and has been designed for outdoor installations in:

- restaurants, pub-restaurants, fast-food outlets,
- corner shops, small supermarkets, service stations, warehouses and logistics platforms,
- public and private buildings...



2 COMPLETE RANGES FOR COMMERCIAL REFRIGERATION

- 46 models designed for ambient temperatures up to 32°C
- 47 models designed for high ambient temperatures (43°C)
- R404A and R134a refrigerant



EN 13215 [positive cooling at -10°C, negative cooling at -35°C/ Ambient temperature at 32°C – return gas temperature 20°C sub-cooling 0 K] for operation with R404A and R134a refrigerants



Easier installation and maintenance Time and money saved on your installation work!



FAST START-UP AND MAINTENANCE

Pre-equipped and pre-set at the factory with a pre-wired electrical box, the Wintsys house condenser units from Tecumseh are quick to install and commission.

For maintenance, easy and complete access on 3 sides or to the compartments, depending on the model.

DO YOUR CALCULATION, YOU WIN



AESTHETIC AND ERGONOMIC

- Light, recyclable ABS housing
- Modern design, neutral colour to blend in everywhere

- 1 Fast access to the unit** and its components from all 3 sides for Cabinets 1, 2 and 3

pre-equipped and pre-wired


- 2** External main isolater
- 3** Mini HP safety pressure switch
- 4** Liquid line (filter drier and sight glass)
- 5** Compressor contactor and DIN rail
- 6** Tecumseh compressor with crankcase heater

New equipment

- 7** "Pump down" kit as an option



RELIABLE AND ROBUST

- Experience and expertise  L'UNITE HERMETIQUE
- Asercom certified compressor performance
- Durable hensing for outdoor installations and floor, wall or roof mountings: Impact-resistant and UV protected ABS or corrosion resistant epoxy-painted sheet steel, depending on the model

**YOU ARE SET FOR YEARS OF PEACE
OF MIND!**

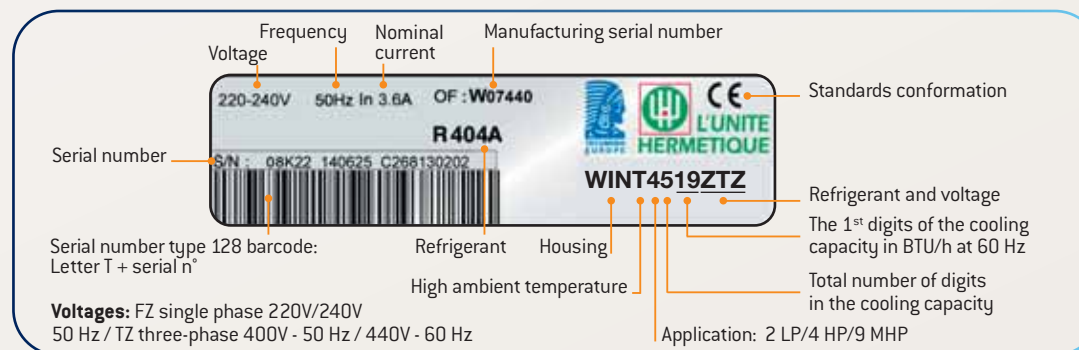




DESCRIPTION AND PERFORMANCE

COMMERCIAL LOW TEMPERATURE REFRIGERATION

R404A / R507



Housing	Models	Voltage	Cooling power (W)*							Cooling power (W)**	Absorbed power (W)**	Sound pressure (dBA)***	Net weight (kg)	Receiver volume (L)	Pipe diameter (inch)		Small cold rooms and refrigerated cabinets	Cold room	Food preparation and storage	Retail store and super-markets
			-40 °C	-35 °C	-30 °C	-23,3 °C	-20 °C	-15 °C	-10 °C						Suction	Liquid outlet				
1	WIN2424Z	FZ	305	410	535	670	820	980	1 155	330	480	29	32	0,75	3/8	1/4	●		●	●
	WIN2428Z	FZ	235	330	440	565	700	845	995	260	440	29	39				●		●	●
	WIN2428Z	TZ	235	330	440	565	700	845	995	270	438	29	39				●		●	●
	WIN2432Z	FZ	310	445	600	780	975	1 195	1 425	355	481	30	39				●		●	●
	WIN2440Z	FZ	350	480	630	810	990	1 220	1 450	375	566	31	40				●		●	●
	WIN2446Z	TZ	490	660	860	1 100	1 340	1 570	1 835	530	678	32	41				●		●	●
	WIN2446Z	FZ	490	660	860	1 100	1 340	1 570	1 835	530	682	32	41				●		●	●
2	WIN2464Z	TZ	610	830	1 050	1 315	1 600	1 890	2 170	680	881	32	42	2,35	5/8	3/8	●		●	●
	WIN2464Z	FZ	610	830	1 050	1 315	1 600	1 890	2 170	680	861	32	42				●		●	●
	WIN2480Z	FZ	810	1 140	1 505	1 900	2 375	2 865	3 410	940	1 394	41	68				●	●	●	●
	WIN2480Z	TZ	810	1 140	1 505	1 900	2 375	2 865	3 410	940	1 064	41	68				●	●	●	●
4	WIN2511Z	TZ	1 000	1 450	1 850	2 465	3 040	3 555	4 065	1 100	1 748	45	68	10	7/8	1/2	●		●	●
	WIN2511Z	FZ	1 000	1 450	1 850	2 465	3 040	3 555	4 065	1 100	1 486	45	68				●		●	●
5	WIN2516Z	TZ	2 100	2 634	3 406	4 792	5 590	6 865	8 212	2 026	2 105	46	155	12	1 1/8	5/8	●		●	●
	WIN2522Z	TZ	2 970	3 567	4 455	6 088	7 037	8 563	10 179	2 744	2 581	46	175				●		●	●
	WIN2532Z	TZ	4 386	5 320	6 750	10 062	10 999	13 503	16 118	4 092	3 951	53	258	12	1 1/8	5/8	●		●	●
	WIN2544Z	TZ	6 314	7 415	9 144	12 734	14 243	17 657	21 182	5 704	4 871	53	258				●		●	●

COMMERCIAL HIGH TEMPERATURE REFRIGERATION

R404A / R507

Please consult us for models for high ambient temperatures and other approvals



Housing	Models	Voltage	Cooling power (W)*									Cooling power (W)**	Absorbed power (W)**	Sound pressure (dBA)***	Net weight (kg)	Receiver volume (L)	Pipe diameter (inch)		Small cold rooms and refrigerated cabinets	Cold room	Food preparation and storage	Retail store and super-markets			
			-25 °C	-20 °C	-15 °C	-10 °C	-5 °C	0 °C	5 °C	10 °C	15 °C						Suction	Liquid outlet							
1	WIN9450Z	FZ	375	485	610	745	890	1 050	1 220	1 400	1 590	660	484	31	31	0,75	3/8	1/4	●		●	●			
	WIN9460Z	FZ	455	600	750	910	1 080	1 260	1 445	1 640	1 835	810	584	30	32				●		●	●			
	WIN9470Z	FZ	565	720	890	1 065	1 250	1 440	1 640	1 840	2 040	940	705	31	32				●		●	●			
	WIN9480Z	FZ	620	795	980	1 190	1 410	1 640	1 870	2 110	2 350	1 040	761	33	40				●		●	●			
	WIN9480Z	TZ	620	795	980	1 190	1 410	1 640	1 870	2 110	2 350	1 040	783	33	40				●		●	●			
	WIN9510Z	FZ	760	975	1 190	1 430	1 675	1 930	2 190	2 445	2 695	1 250	918	33	41				1,5	5/8	3/8	●		●	●
	WIN9510Z	TZ	760	975	1 190	1 430	1 675	1 930	2 190	2 445	2 695	1 250	956	33	41							●		●	●
	WIN9513Z	TZ	800	1 040	1 300	1 570	1 860	2 150	2 430	2 650	2 940	1 400	1 067	34	42							●		●	●
WIN9513Z	FZ	800	1 040	1 300	1 570	1 860	2 150	2 430	2 650	2 940	1 400	1 060	34	42	●		●	●							

2	WIN4517Z	TZ				1 715	2 120	2 535	2 940	3 380	3 795	4 210	1 930	1 248	40	55		●	●	●	●		
	WIN4517Z	FZ				1 715	2 120	2 535	2 940	3 380	3 795	4 210	1 930	1 292	40	55		●	●	●	●		
	WIN4519Z	TZ				2 235	2 645	3 115	3 595	4 080	4 490	4 865	2 370	1 787	40	55	2,35	5/8	3/8	●	●	●	●
	WIN4519Z	FZ				2 235	2 645	3 115	3 595	4 080	4 490	4 865	2 370	1 639	40	55		●	●	●	●		
	WIN4524Z	FZ				2 370	2 950	3 420	3 950	4 530	5 190	5 620	2 520	1 933	43	65		●	●	●	●		
	WIN4524Z	TZ				2 370	2 950	3 420	3 950	4 530	5 190	5 620	2 520	1 859	43	65		●	●	●	●		
3	WIN4531Z	FZ				3 400	4 100	4 900	5 650	6 490	7 200	8 000	3 670	2 417	48	80			●	●	●		
	WIN4531Z	TZ				3 400	4 100	4 900	5 650	6 490	7 200	8 000	3 670	2 359	48	80	3,9	7/8	1/2	●	●	●	
	WIN4540Z	FZ				4 035	4 865	5 840	6 725	7 690	8 620	9 665	4 520	3 064	51	80			●	●	●		
	WIN4540Z	TZ				4 035	4 865	5 840	6 725	7 690	8 620	9 665	4 520	3 103	51	80			●	●	●		
4	WIN4546Z	TZ				5 355	6 401	7 624	9 186	10 512	11 764	12 890	5 819	3 324	49	145			●	●	●		
	WIN4553Z	TZ				5 420	6 719	8 349	9 915	11 762	13 241	14 478	6 108	3 722	49	146	10	5/8	3/8	●	●	●	
	WIN4561Z	TZ				6 823	8 220	10 046	11 860	13 692	15 858	17 466	7 473	4 220	49	148			●	●	●		
	WIN4568Z	TZ				7 601	9 108	10 764	12 552	14 343	15 214	18 222	8 280	4 720	49	148			●	●	●		
	WIN4573Z	TZ				8 455	10 194	11 923	14 131	15 978	17 623	19 790	9 267	5 168	49	150			●	●	●		
5	WIN4590Z	TZ				9 112	11 843	14 996	17 948	20 771	24 038	26 361	10 766	6 741	53	258			●	●	●		
	WIN4610Z	TZ				11 620	14 555	17 953	21 651	25 897	29 775	33 397	13 232	7 006	53	259	12	1 1/8	5/8	●	●	●	
	WIN4612Z	TZ				13 982	17 020	20 521	24 728	28 694	32 531	37 014	15 473	8 877	53	261			●	●	●		
	WIN4614Z	TZ				15 001	17 890	21 488	24 989	29 234	33 212	38 223	16 264	10 015	53	264			●	●	●		
	WIN4615Z	TZ				17 566	20 776	24 990	29 002	33 886	37 834	41 253	18 887	10 330	53	265			●	●	●		

COMMERCIAL HIGH TEMPERATURE REFRIGERATION R134a

Housing	Models	Voltage	Cooling power [W]*							Cooling power [W]**	Absorbed power [W]**	Sound pressure [dBA]***	Net weight [kg]	Receiver volume [L]	Pipe diameter [inch]		Small cold rooms and refrigerated cabinets	Cold room	Food preparation and storage	Retail store and super-markets		
			-15 °C	-10 °C	-5 °C	0 °C	5 °C	10 °C	15 °C						-10 °C	-10 °C					Suction	Liquid outlet
1	WIN4440Y	FZ	440	560	690	835	990	1 150	1 325	520	422	29	30	0,75	3/8	1/4	●		●	●		
	WIN4448Y	FZ	520	685	860	1 045	1 240	1 445	1 660	635	460	30	30						●	●	●	●
	WIN4456Y	FZ	615	770	945	1 135	1 345	1 570	1 815	680	540	30	38						●	●	●	●
	WIN4461Y	FZ	690	875	1 080	1 310	1 565	1 835	2 130	750	554	30	38	1,5	1/2	3/8	●		●	●		
	WIN4461Y	TZ	690	875	1 080	1 310	1 565	1 835	2 130	750	536	30	38						●	●	●	●
	WIN4476Y	FZ	735	950	1 180	1 435	1 705	1 995	2 290	890	619	30	40						●	●	●	●
	WIN4492Y	FZ	920	1 180	1 460	1 765	2 090	2 420	2 760	1 110	622	31	40				●	●	●	●		
	WIN4492Y	TZ	920	1 180	1 460	1 765	2 090	2 420	2 760	1 110	718	31	41				●	●	●	●		
	WIN4511Y	FZ	1 185	1 475	1 785	2 110	2 435	2 760	3 070	1 380	841	39	41		5/8			●		●	●	
WIN4511Y	TZ	1 185	1 475	1 785	2 110	2 435	2 760	3 070	1 380	856	39	63						●	●	●	●	
2	WIN4518Y	FZ	1 825	2 285	2 815	3 415	4 080	4 815	5 610	2 090	1 328	40	63	2,35	5/8	3/8	●	●	●	●		
	WIN4518Y	TZ	1 825	2 285	2 815	3 415	4 080	4 815	5 610	2 090	1 264	40	65						●	●	●	●
	WIN4525Y	FZ	2 200	2 820	3 490	4 210	4 975	5 780	6 615	2 600	1 621	47	65						●	●	●	●
	WIN4525Y	TZ	2 200	2 820	3 490	4 210	4 975	5 780	6 615	2 600	1 459	47	68						●	●	●	●
4	WIN4528Y	TZ	2 152	3 198	4 450	5 906	7 581	9 358	11 357	2 907	144	54	144	10	7/8	1/2		●	●	●		
	WIN4534Y	TZ	3 006	4 140	5 496	7 105	8 841	10 822	12 818	3 764	145	54	145						●	●	●	●
	WIN4537Y	TZ	3 547	4 818	6 357	8 196	10 203	12 386	14 858	4 380	146	54	146						●	●	●	●
	WIN4543Y	TZ	3 702	4 993	6 611	8 593	10 785	13 180	15 900	4 539	146	54	146						●	●	●	●

* EN13215, performance at 32° ambient temperature, return gas 20° C, sub-cooling 3K

** EN13215, performance at 32° ambient temperature, superheat 10K, sub-cooling 3K

*** Sound pressure at 10 m - EN ISO 3743-1

Voltages: FZ single phase 220V/240V - 50 Hz / TZ three phase 400V - 50 Hz / 440V - 60 Hz



NEW EQUIPMENT, GREATER SAFETY AND RELIABILITY



The sign of innovation

Standard equipment enables rapid installation and easy commissioning.

Interior space able to accommodate additional component and electrical boxes with extra connections if required.

A “pump down” kit (adjustable LP pressure switch + solenoid valve) is available as an option.


Greater safety





- Equipment which conforms to electrical regulations and is designed for outdoor applications.
- External lockable mains lockable isolator for local isolation and working safety.

Services +

The products and components are available at around 1 000 sales outlets worldwide.

Equipment & options

Housing	Models	Filter drier	Sight glass	Compressor contactor	Crankcase heater	Isolator	HP & LP auto pressure switch [auto]	Mini HP pressure switch [auto]	Condenser / fan speed control	Mini HP pressure switch	“Pump down” kit ²	Fusible plug	Ø fan (mm)	Dimensions (mm)			Fixing dimensions (mm)	
														Length	Width	Height	Length	Width
	COOLING + R404A WIN9450Z WIN9460Z WIN9470Z WIN9480Z WIN9510Z WIN9513Z	●	●	●	●	●	○ ¹	●	○ Fitted ¹	○	○	○	300	850	430	385	770	290
	COOLING + R134a WIN4440Y WIN4448Y WIN4456Y WIN4461Y WIN4476Y WIN4492Y WIN4511Y	●	●	●	●	●	○ ¹	●	○ Fitted ¹	○	○	○						
	COOLING - R404A WIN2424Z WIN2428Z WIN2432Z WIN2440Z WIN2446Z WIN2464Z	●	●	●	●	●	○ ¹	●	○ Fitted ¹	○	○	○						

	COOLING + R404A WIN4517Z WIN4519Z WIN4524Z	●	●	●	●	●	○ ¹	●	○ ¹ Fitted ¹	○	○	○	350	1020	440	475	885	290
	COOLING + R134a WIN4518Y WIN4525Y	●	●	●	●	●	○ ¹	●	○ ¹ Fitted ¹	○	○	○						
	COOLING - R404A WIN2480Z WIN2511Z	●	●	●	●	●	○ ¹	●	○ ¹ Fitted ¹	○	○	○						
	COOLING + R404A WIN4531Z WIN4540Z	●	●	●	●	●	○ ¹	●	○ ¹ Fitted ¹	○	○	○	400	1066	530	577	855	380
	COOLING + R404A WIN4546Z WIN4553Z WIN4561Z WIN4568Z WIN4573Z	●	●	●	●	●	●	●	○ ¹ Not fitted	○	○	●	2 x 350	1285	628	777	895	610
	COOLING + R134a WIN4528Y WIN4534Y WIN4537Y WIN4543Y	●	●	●	●	●	●	●	○ ¹ Not fitted	○	○	●						
	COOLING - R404A WIN2516Z WIN2522Z	●	●	●	●	●	●	●	○ ¹ Not fitted	○	○	●						
	COOLING + R404A WIN4590Z WIN4610Z WIN4612Z WIN4614Z WIN4615Z	●	●	●	●	●	●	●	○ ¹ Not fitted	○	○	●	2 x 500	1660	790	1007	715 + 715	750
	COOLING - R404A WIN2532Z WIN2544Z	●	●	●	●	●	●	●	○ ¹ Not fitted	○	○	●						

Key:

- Standard
- Option

1- From 2nd half 2010

2- Solenoid valve + LP pressure switch



NEW GENERATION OF READY TO USE HOUSED UNITS

The economic solution
for outdoor installations

- Pre-equipped - Ready to use
- Ergonomic - easy to install
- Reliable - L'Unité Hermétique know how

Tecumseh Europe and its distribution network
are always at your service

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