

TCW^{OPT}



Tecumseh



Illustrative image

New TCW Optimized

- ▶ Extended cooling capacity
- ▶ Flexible for forced and natural ventilation
- ▶ Optimized motor with better cost-benefit



Tecumseh Propane Portfolio - Light Commercial*

Product	Application	Cooling Capacity Btu/h		Motor type	Ventilation
AE ²	LBP	850	AE ² 2800	CSIR/CSR	
TC	LBP	740	TC 1350	PTCSCR	
TCW	L/MBP	285	TCW 1500	CSIR	
TCW OPT	L/MBP	570	TCW OPT 1730	PTCSCR	

Note: LBP -40°C to -10°C (-40°F to +14°F)
L/MBP -35°C to -5°C (-31°F to +23°F)



TCW OPT Benefits

Extended capacity
range up to 1700 Btu/h

Optimized motor
for better cost benefit

Flexible for
natural or fan cooled
using the same set of
electrical components

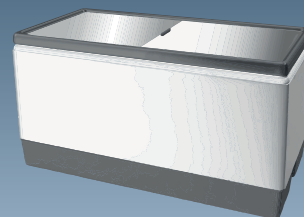
A new solution for LIGHT COMMERCIAL APPLICATIONS



Beer Coolers



Beverage Coolers



Ice Cream Freezers

TCW OPT Portfolio

						Performance 60Hz				
Rating Point	Model	Voltage (V) / Frequency (Hz)	Displacement		Ventilation Approval Type	Cooling Capacity			EER/COP	
			cm ³	in ³		Btu/h	W	kcal/h	Btu/Wh	W/W
1	TCW360U-DS3H	115-127 / 60	3.14	0.19	Forced / Natural	590	173	149	5.57	1.63
	TCW380U-DS3H		4.19	0.26	Forced / Natural	840	246	212	5.64	1.65
	TCW410U-DS3H		6.06	0.37	Forced / Natural	1140	334	287	5.56	1.63
	TCW413U-DS3H		6.93	0.42	Forced / Natural	1360	399	343	5.71	1.67
	TCW417U-DS3H		8.87	0.54	Forced	1750	513	441	5.47	1.60
	TCW360U-GS3H	220 / 50-60	3.14	0.19	Forced / Natural	590	173	149	5.67	1.66
	TCW380U-GS3H		4.19	0.26	Forced / Natural	840	246	212	5.71	1.67
	TCW410U-GS3H*		6.06	0.37	Forced / Natural	1140	334	287	5.56	1.63
	TCW413U-GS3H*		6.93	0.42	Forced / Natural	1360	399	343	5.79	1.70
	TCW417U-ES3H	220 / 60	8.87	0.54	Forced	1750	513	441	5.47	1.60
2	TCW360U-DS3H	115-127 / 60	3.14	0.19	Forced / Natural	1200	352	302	8.28	2.43
	TCW380U-DS3H		4.19	0.26	Forced / Natural	1650	484	416	8.17	2.39
	TCW410U-DS3H		6.06	0.37	Forced / Natural	2300	674	580	7.88	2.31
	TCW413U-DS3H		6.93	0.42	Forced / Natural	2700	791	680	8.08	2.37
	TCW417U-DS3H		8.87	0.54	Forced	3350	982	844	7.79	2.28
	TCW360U-GS3H	220 / 50-60	3.14	0.19	Forced / Natural	1200	352	302	8.11	2.38
	TCW380U-GS3H		4.19	0.26	Forced / Natural	1650	484	416	8.17	2.39
	TCW410U-GS3H*		6.06	0.37	Forced / Natural	2300	674	580	7.72	2.26
	TCW413U-GS3H*		6.93	0.42	Forced / Natural	2700	791	680	8.18	2.40
	TCW417U-ES3H	220 / 60	8.87	0.54	Forced	3350	982	844	7.79	2.28

* Note: These compressor models use different components depending on ventilation, natural or forced.

						Performance 50Hz				
Rating Point	Model	Voltage (V) / Frequency (Hz)	Displacement		Ventilation Approval Type	Cooling Capacity			EER/COP	
			cm ³	in ³		Btu/h	W	kcal/h	Btu/Wh	W/W
1	TCW360U-GS3H	220 / 50-60	3.14	0.19	Forced / Natural	530	155	134	5.52	1.62
	TCW380U-GS3H		4.19	0.26	Forced / Natural	690	202	174	5.48	1.61
	TCW410U-GS3H*		6.06	0.37	Forced / Natural	940	276	237	5.08	1.49
	TCW413U-GS3H*		6.93	0.42	Forced / Natural	1150	337	290	5.48	1.61
2	TCW360U-GS3H	220 / 50-60	3.14	0.19	Forced / Natural	990	290	249	7.92	2.32
	TCW380U-GS3H		4.19	0.26	Forced / Natural	1380	404	348	8.07	2.37
	TCW410U-GS3H*		6.06	0.37	Forced / Natural	1900	557	479	7.60	2.23
	TCW413U-GS3H*		6.93	0.42	Forced / Natural	2260	662	570	8.19	2.40

* Note: These compressor models use different components depending on ventilation, natural or forced.

Rating Point 1 - ASHRAE 32
 Evap. Temp.: -23.3°C / -10°F
 Cond. Temp.: 54.4°C / 130°F
 Return Gas Temp.: 32.2°C / 90°F
 Liquid Temp.: 32.2°C / 90°F
 Ambient Temp.: 32.2°C / 90°F

Rating Point 2 - ASHRAE 32
 Evap. Temp.: -6.7°C / 20°F
 Cond. Temp.: 54.4°C / 130°F
 Return Gas Temp.: 32.2°C / 90°F
 Liquid Temp.: 32.2°C / 90°F
 Ambient Temp.: 32.2°C / 90°F

Data for reference only, can be changed without previous notice.
 For more information about TC HST compressor complete portfolio including other fluid refrigerants please consult www.tecumseh.com

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For more information on products by Tecumseh,
please visit our website www.tecumseh.com



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