



The Palestra Building London, England

APPENDIX B: Chiller Optimization Data

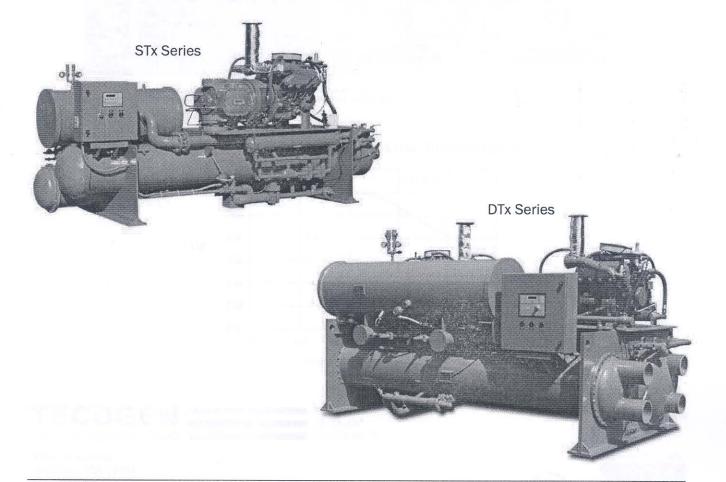
TEGOGHILL®

Gas Engine Driven Chillers

Water-Cooled Models 150 Tons to 400 Tons

Key Features & Options

- Non-ozone depleting HFC-134a
- TecoDrive 7400TM Natural Gas Engine
- Single Screw Balanced Action Compressor
- High Efficiency Flooded Evaporator
- IPLV's Exceeding 2.5
- Footprint equivalent to electric chillers
- Variable engine speed operation for excellent part load performance and longer life
- TecoNETTM Microprocessor-based Control System with precise PID Control for fully automatic operation, continuous system monitoring, digital display, fault diagnostics, and tie-in to an energy management system
- Remote Monitoring and Control System (RMCS) that permits remote real-time monitoring, data acquisition, and system control by telephone
- ETL Listed



0,	Full Load Rating (tons)
	IPLV COP4
	Full Load COP
	COP with Engine Heat Recovery
	Fuel Consumption [MBtu/hr @ HHV 1020 Btu/scf]
	Fuel Consumption [softi]
	Fuel Pressure [in. wc, 27,703 in. wc = 1 psig]
	Available Engine Heat [MBtu/hr]
•	Maximum Supply Temperature [°F]
2	WATER SYSTEMS ————
	Chilled Water Flow (CPM)
	Chilled Water Pressure Drop @ Rated Flow mg
	Total Cooling Tower Flow IGPMI
	—Flow To Condenser Only (SPM)
	—Flow To Dump HX Only IGPMI
	Condenser Pressure Drop @ Rated Flow m
	Cooling Tower Heat Rejection [MBtu/tr]
	ELECTRICAL REQUIREMENT
	Voltage Requirement
	Electrical Service
	Amperage Rating
	Parasitic Power Requirement [kW]
	ACOUSTIC LEVELS (IdBa @ 3 ft)
	—with Enclosure
	without Enclosure
~ /	Refrigerant
	DIMENSIONAL DATA -
	Length
	Width
	1117
_	Height
	WEIGHTS ———
	Rigging Weight խ
	Operational Weight [lb]
	DRIVELINE
~	Engine
	Compressor
	OTEC.

STx	SERIES			
CH-150x	CH-200x			
150	200			
2.6	2.6			
1.7	1.6 1.9			
2.1 1.032	1,526			
1,032	1,496			
7-28	13-28			
323	480			
201	212			
360	480			
9.1	16.2			
490	640			
450	600			
40	40			
13.0	23.1			
2,418	3,473			
208-23	0, 50/60 Hz			
Single Pha	ase with Neutral			
	30			
	2.2			
88	92			
95	99			
HF	C-134a			
profes by he had be	12/407			
	3'10" 4'4"			
	6'9"			
b b b b b b b	heerber.			
	0,450			
1	1,250			
	Orive 7400			
J&E Hall HS2024GED				

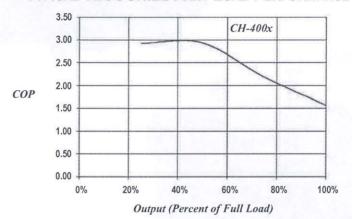
CH-300x	Tx SERIE CH-350x	CH-400x
300	350	400
2.6	2.6	2.6
1.7	1.7	1.6
2.0	2.0	1.9
2.157	2.529	3.052
2,115	2,479	2,992
7-28	13-28	13-28
675	799	960
202	207	212
720	840	960
18.2	9.6	12.6
980	1,130	1.280
900	1,050	1,200
80	80	80
12.9	14.1	18.1
5,376	6.136	6,946
	08-230, 50/60 e Phase with N 40 2.7	
88	89	92
95	96 HFC-134a	99
	14'3" 7'0" 7'7"	
	24,675 28,175	
	coDrive 7400 fall HS2024GE	

- NOTES:

 1. Specifications subject to change without notice, all specifications are ± 5%.

 2. COP ratings are based upon Fuel Highter Heating Value (HHV) @ 1020 BTU/SCF

TYPICAL TECOCHILL PART-LOAD PERFORMANCE



TECOCHILL® TECOGEN® Natural Gas Engine-Driven Products TECOFROST TM

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