

## Water-Cooled Models 150 Tons to 400 Tons

### Key Features & Options

- Non-ozone depleting HFC-134a
- TecoDrive 7400™ 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
- TecoNET™ 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

**STx Series**



**DTx Series**



# WATER-COOLED MODELS

Full Load Rating [tons]	
IPLV COP <sup>2</sup>	
Full Load COP	
COP with Engine Heat Recovery	
Fuel Consumption [MBtu/hr @ HHV 1020 Btu/scf]	
Fuel Consumption [scfh]	
Fuel Pressure [in. wc, 27.703 in. wc = 1 psig]	
Available Engine Heat [MBtu/hr]	
Maximum Supply Temperature [°F]	

### WATER SYSTEMS

Chilled Water Flow [GPM]	
Chilled Water Pressure Drop @ Rated Flow [ft]	
Total Cooling Tower Flow [GPM]	
—Flow To Condenser Only [GPM]	
—Flow To Dump HX Only [GPM]	
Condenser Pressure Drop @ Rated Flow [ft]	
Cooling Tower Heat Rejection [MBtu/hr]	

### ELECTRICAL REQUIREMENT

Voltage Requirement	
Electrical Service	
Amperage Rating	
Parasitic Power Requirement [kW]	

### ACOUSTIC LEVELS<sup>1</sup> [dBa @ 3 ft]

—with Enclosure	
—without Enclosure	

Refrigerant

### DIMENSIONAL DATA

Length	
Width	
Height	

### WEIGHTS

Rigging Weight [lb]	
Operational Weight [lb]	

### DRIVELINE

Engine	
Compressor	

## ST<sub>x</sub> SERIES

CH-150 <sub>x</sub>	CH-200 <sub>x</sub>
150	200
2.6	2.6
1.7	1.6
2.1	1.9
1,032	1,526
1,012	1,496
7-28	13-28
323	480
201	212



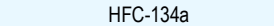
360	480
9.1	16.2
490	640
450	600
40	40
13.0	23.1
2,418	3,473



208-230, 50/60 Hz	
Single Phase with Neutral	
30	
2.2	



85	89
92	96



HFC-134a	
13'10"	
4'4"	
6'9"	



10,450	
11,250	



TecoDrive 7400	
J&E Hall HS2024GED	

## DT<sub>x</sub> SERIES

CH-300 <sub>x</sub>	CH-350 <sub>x</sub>	CH-400 <sub>x</sub>
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



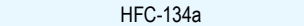
720	840	960
18.2	9.6	12.6
980	1,130	1,280
900	1,050	1,200
80	80	80
12.9	14.1	18.1
5,376	6,136	6,946



208-230, 50/60 Hz		
Single Phase with Neutral		
40		
2.7		



88	89	92
95	96	99



HFC-134a		
14'3"		
7'0"		
7'7"		



24,675		
28,175		

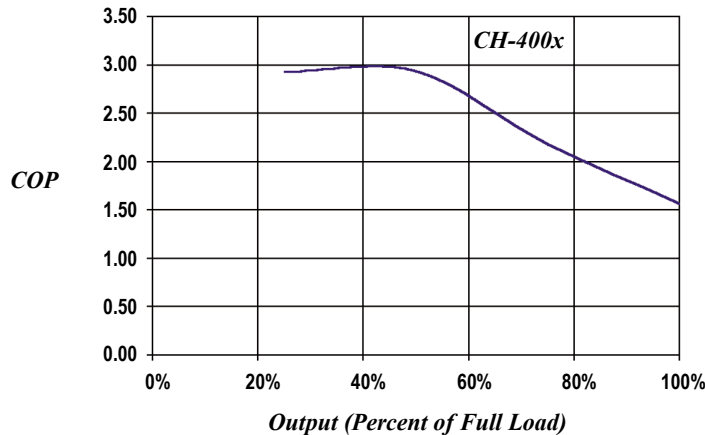


TecoDrive 7400 (2)		
J&E Hall HS2024GED (2)		

#### NOTES:

- Specifications subject to change without notice, all specifications are ± 5%.
- COP ratings are based upon Fuel Higher Heating Value (HHV) @ 1020 BTU/SCF

## TYPICAL TECOCHILL PART-LOAD PERFORMANCE



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