

TECOCHILL[®] Gas Engine Driven Chillers

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 COP⁴
 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 LEVELS⁵ [dBa @ 3 ft] =====
 —with Enclosure
 —without Enclosure

Refrigerant

DIMENSIONAL DATA =====
 Length
 Width
 Height

WEIGHTS =====
 Rigging Weight [lb]
 Operational Weight [lb]

DRIVELINE =====
 Engine
 Compressor

ST_x SERIES

| CH-150 _x | CH-200 _x |
|---------------------|---------------------|
| 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 |



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

| | |
|----|----|
| 88 | 92 |
| 95 | 99 |

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

10,450
 11,250

TecoDrive 7400
 J&E Hall HS2024GED

DT_x SERIES

| CH-300 _x | CH-350 _x | CH-400 _x |
|---------------------|---------------------|---------------------|
| 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 |



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

| | | |
|----|----|----|
| 88 | 89 | 92 |
| 95 | 96 | 99 |

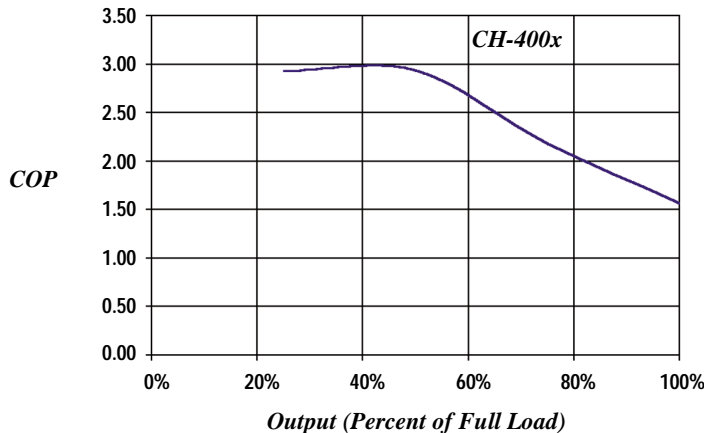
HFC-134a
 14'3"
 7'0"
 7'7"

24,675
 28,175

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

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

TYPICAL TECOCHILL PART-LOAD PERFORMANCE



TECOGEN
 Natural Gas Engine-Driven Products

TECOCHILL[®]
 TECOGEN[®]
 TECOFROST[™]

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