

Industrial Refrigeration Courses

Rotary screw
compressors Frick® type
TDSH / YCCH / XJF
(RXF) / SGC
PTK-REF-31

Course Details

Course Type:	Instructor Led Course
Audience:	Service engineers or service technicians with basic knowledge and experience within industrial refrigeration.
Duration:	3 days
Location:	Holme, Denmark
Language:	EN
Registration:	No later than 4 weeks in advance.
Training dates	See dates on our web site.
Price :	1200 EUR



Rotary Screw Compressors from Frick® provides best performance from your industrial chiller system. Efficient Frick® rotary screw compressors can help you reduce overall costs and reduce energy consumption.

This hands-on course will allow HVAC&R technical personnel to understand the operation and characteristics of these compressors and to learn on a hands-on basis the maintenance and repair operations.

- Please bring your own safety shoes, as the course is inside the factory area.

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Objectives:

- Understand the operation and characteristics of these compressors to improve maintenance and make repairs
- Mechanical overhaul (partial/complete)

Contents:

- Operation principles of the screw compressors
- Capacity regulation (Slide valve)
- Volume ratio operation (VI slide)
- Slide valves control (Distributor)
- Oil circuit (oil separator / oil cooler)
- Operation with economizer
- Partial/complete mechanical overhaul on SGC 163, TDSH 163, YCCH193 and XJF 120:
 - Shaft seal inspection
 - Bearing inspection and clearance measurement
 - Screw inspection
 - Clearance checking
 - Clearance adjustment (Shimming)

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3 days training plan

TOPICS	TOPICS	TOPICS
Welcome/intro to Johnson Controls	Mechanical overhaul (workshop)	Mechanical overhaul (workshop)
Your expectations to the course		
Rotary screw compressors	Test centre	Mechanical overhaul (workshop)
	Factory tour	
Rotary screw compressors	Mechanical overhaul (workshop)	Safety by working with refrigerants
Valves and controls components	Mechanical overhaul (workshop)	Evaluation of the course

Daily training is from 8.30am to 4pm.

Lunch from 11.45am to 12.30pm + coffee/tea and break snacks are included in the price of the course.

Training coordinator

Kenneth Boetius
Senior Lead Training Specialist
Johnson Controls, Holme (Denmark)

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Course registration

- Subscribe for courses by email to Sabrolearning@jci.com

NOTE! Please bring your own safety shoes. Safety glasses and working coats will be available on site.

Payment details

Customer Learning Center entity number (Hyperion Code) is: 213. P/O Address is:
Johnson Controls Scandinavia
PO Box 298
814 99 Bratislava 1
Slovakia

Registration notes

The Customer Learning Center reserves the right to call out the course if there are no sufficient participants backing it up. Before booking any trips or accommodations, please make sure the course is confirmed. To do so, please contact us at sabrolearning@jci.com

Cancellation policy

You are allowed to cancel your registration 4 weeks before the beginning of the training. If you do cancel after this period your entity will still be charged 50% of the training cost.

No shows (without proper cancellation through the Learning Network) will still be entitled to pay 100% of the training cost; exceptions could apply due to force majeure causes.

Please be also aware that to avoid cancellation penalties, your entity always have the option of placing somebody else in your place. Proper notification to the Customer Learning Center is required for this purpose.

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Travel and stay

Please make sure to book your hotel, travel, and transport!

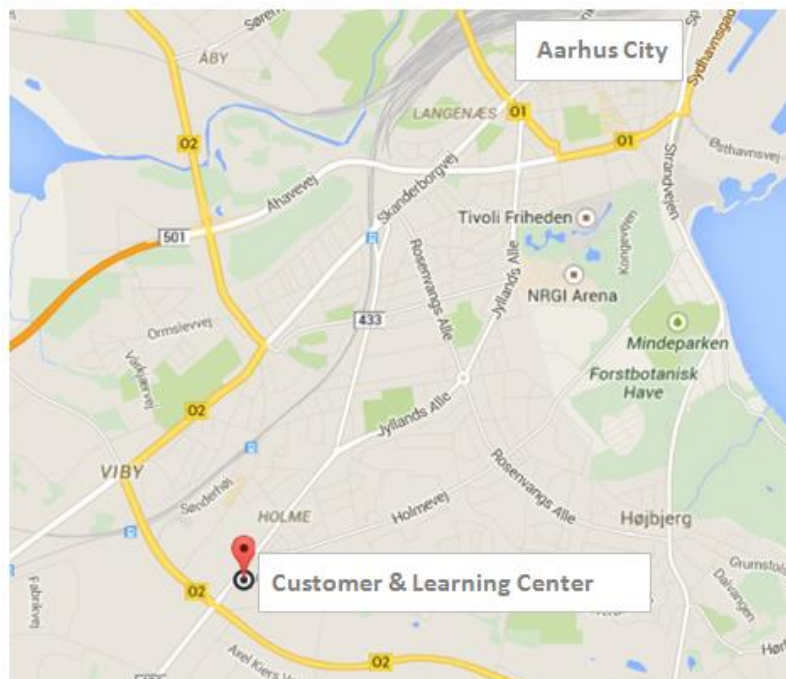
We foresee coffee breaks, lunches, training materials and certificates.

Travel and stay are not included in the course cost.

- Nearest airports are:
 - Billund - www.bll.dk Connection to most European airports
 - Aarhus - www.aar.dk
 - Aalborg - www.aal.dk
 - Transport from the airports to Billund and Aarhus are by bus, taxi, or rental car.
- Currency in Denmark is DKK/Danish Crowns.
Please note that Euros are normally not accepted.
- Common credit cards like MasterCards, Visa etc. are accepted in most places, but not in public busses.

Course Location

Customer & Learning
Center
Christian X's Vej 201
8270 Højbjerg, Holme
Denmark



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Summary logistics for JCI Customer & Learning Center, DK - For your visit

Venue address	Christian X's Vej 201 8270 Hoejbjerg, Holme Denmark +45 87 36 70 00
On-site contact person	Kenneth Boetius Kenneth.Romeo.Boetius@jci.com +45 2550 7360
Distances to venue	From Aarhus airport: 80 km (45 min drive) From Billund airport: 90 km (1hr drive) From Aalborg airport: 130 km (1hr30 min drive) From Aarhus city center: 7 km (15 min drive) From Aarhus station: 7 km (15 min drive)
Hotel	Radisson BLU Scandinavia Hotel www.radissonhotels.com/denmark/aarhus Margretheplassen 1, 8000 Aarhus C Phone: 0045 86 12 86 65
Hotel	Hotel Scandic Aarhus City www.scandicaarhuscity.guestreservations.com Østergade 10, 8000 Aarhus C Phone: 0045 89 31 81 00
Hotel	Comwell Aarhus www.comwell.com/hoteller/comwell-hotel-aarhus Værkmestergade 2, 8000 Aarhus C Phone: 0045 86 72 80 00
Hotel	Helnan Marselis Hotel www.helnan.dk/marselis Strandvejen 25, 8000 Aarhus C Phone: 0045 86 14 44 11
Hotel	Scandic Aarhus Vest www.scandichotels.dk/hoteller/danmark/aarhus/scandic-aarhus-vest Rytoften 3, 8210 Aarhus V
Hotel	Cabinn Hotel www.cabinn.com Kannikegade 14, 8000 Aarhus C Phone: 0045 86 75 70 00
Hotel	Zleep Hotel Aarhus South Nearest hotel www.zleep.com/da/hotel/aarhus-viby viby Ringvej 4, 8260 Viby J Phone: 0045 70 23 56 35