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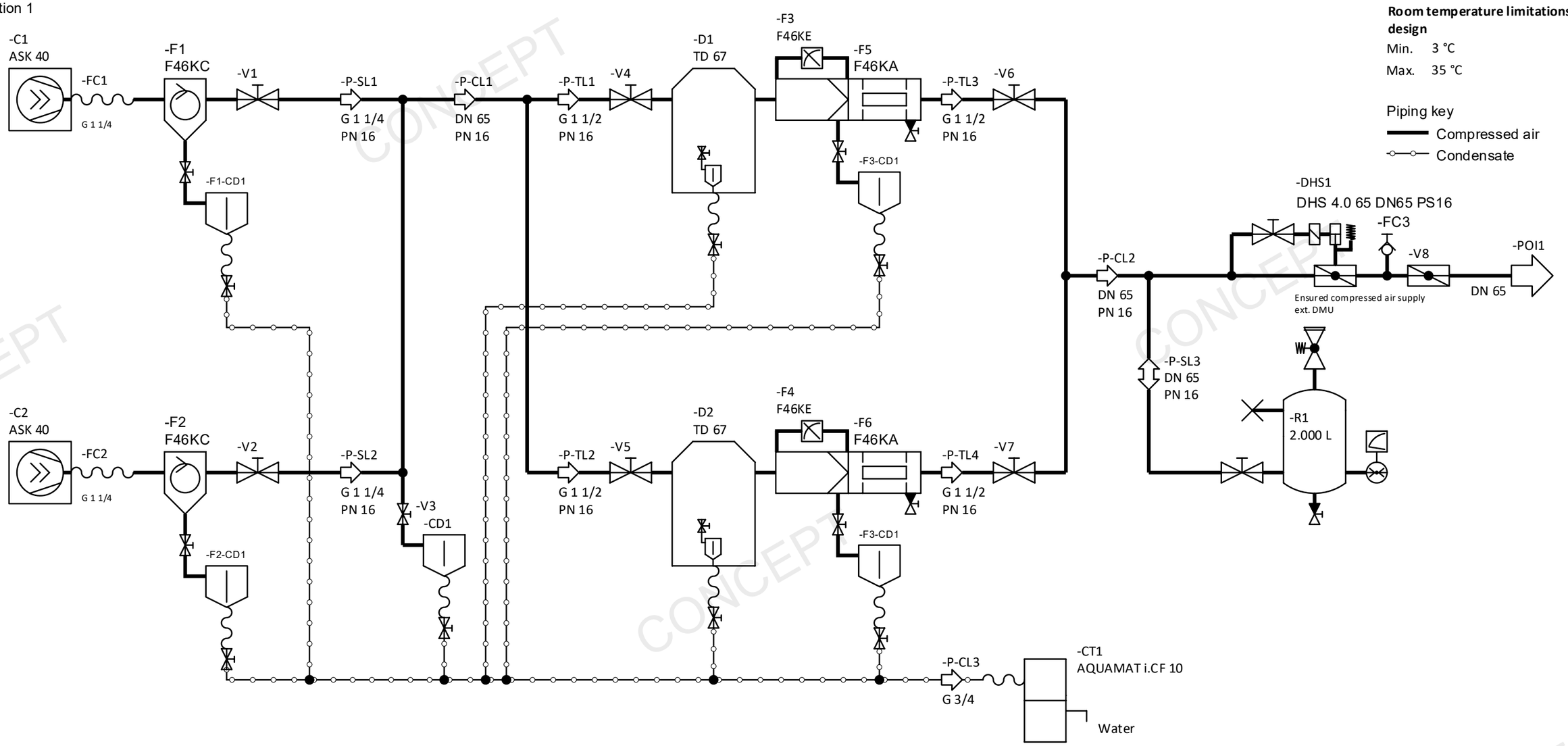
Location 1



Room temperature limitations by design

Min. 3 °C

Max. 35 °C

Piping key

Compressed air

Condensate

Compressed air quality class to ISO 8573-1: 2010 (Particle : Water : Oil) when the operational conditions and maintenance specifications are met

Condensate lines have to be connected to a collective line with a gradient (>3%) via swan neck or are to be fed to the condensate treatment system separately. A pressure-less drain has to be provided for.

In wet areas of the compressed air main all connections have to be built as swan neck from above. Exception: a sidelong connection is possible, if the collective line is at least two pipe sizes larger than the connection. The main has to be installed with a descending gradient and a condensate drain has to be provided at the lowest point.

Documents released by engineering are identified by these characteristics in the title block

date of review/release

name of the reviewing/ releasing individual

Furthermore, any unreleased documents are identified by this designation: "Draft – for technical clarification only"

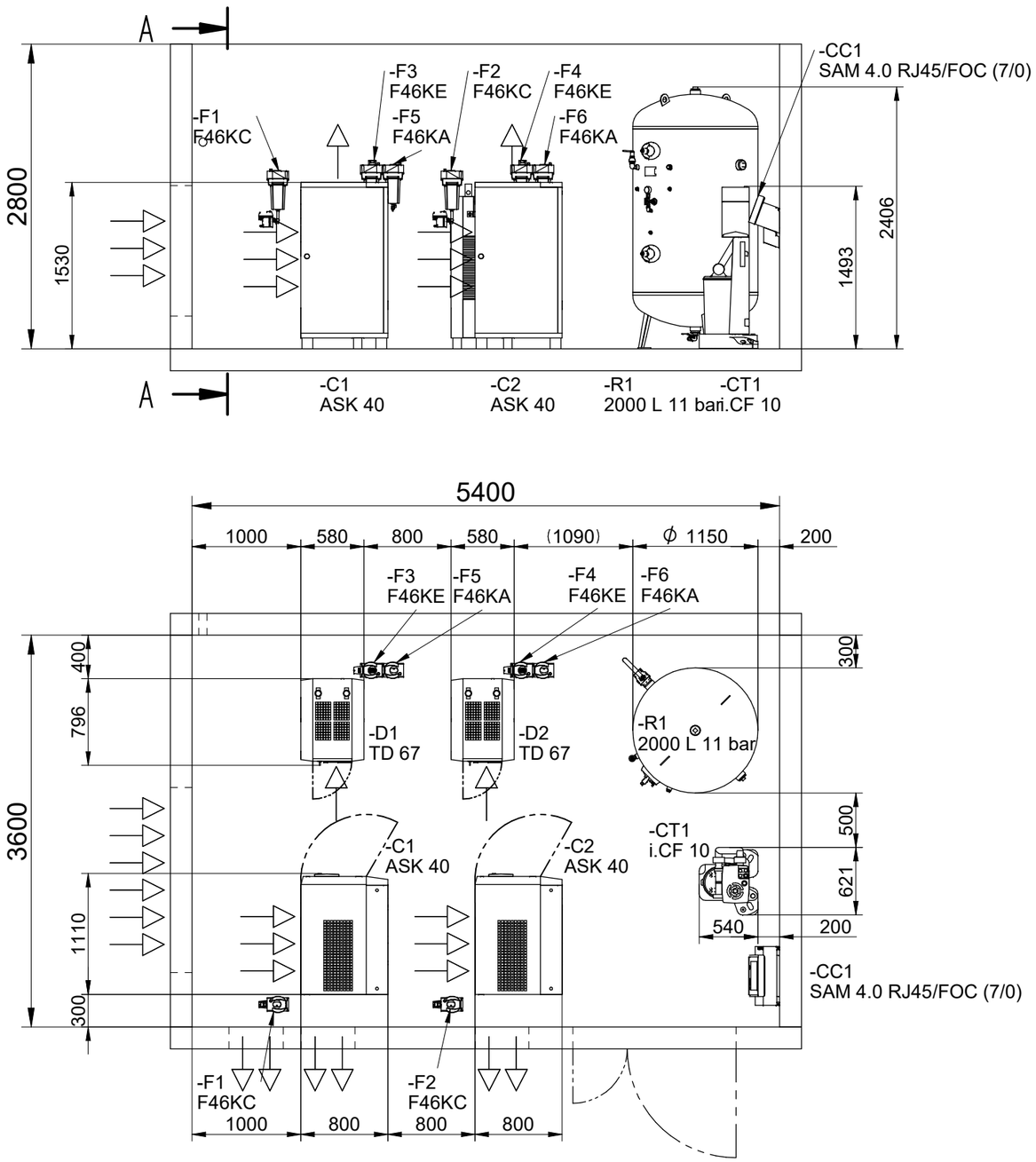
Other applicable documents are listed in "Documents overview"

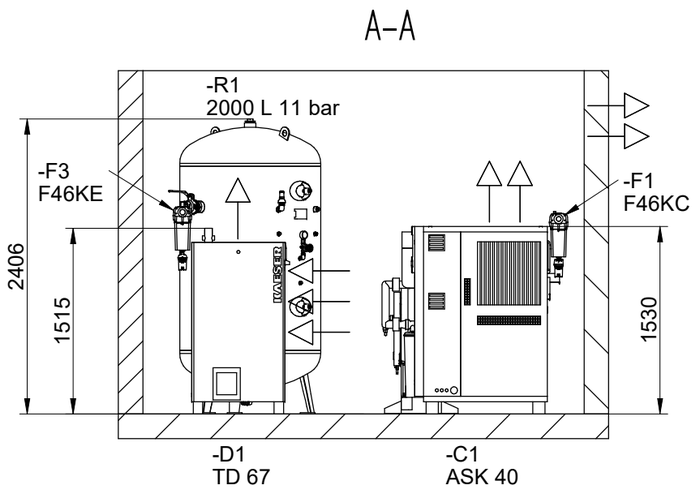
All site work, including but not limited to, site preparation, construction, system component assembly and installation, must be completed in accordance with all relevant local, state and national codes and regulations, including but not limited to, building, electrical and occupational safety. End-users and all sub-contractors responsible for this work may be provided with product information to initiate these tasks, however this is not a substitution for reading and understanding the appropriate Product Manuals prior to installation of the equipment.

Since the compliance with the various federal, state and local laws and regulations concerning occupational health and safety and pollution are affected by the use, installation and operation of Equipment and other matters over which the below mentioned supplier has no control, the below mentioned supplier assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty or otherwise.

Project number 00138679 Status CONCEPT			Station setup ID 334402 Concept 1			Station ID 33606	
					Date	Name	Sample planning sketch with exhaust air duct /
				Drawing	04/16/2024	blinzler1	
				Check	04/17/2024	hobusch	
	For detailed change log, see report 'Revisions'			Approval	04/17/2024	hobusch	Fluid cooled screw compressors shown: 2x ASK 40, 1/4/1, 7 bar / Ref. dryer/ F KE/ F KA
01		04/17/2024	blinzler1				
02		04/17/2024	blinzler1	KAESER KOMPRESSOREN®			P&I diagram Sh.
03		01/28/2026	blinzler1				P&I diagram
04		01/29/2026	blinzler1				Sheet size DIN A3 1 297 x 420 mm
Rev.	Change	Date	Name	Orig.			Replaces / Replaced by

CONCEPT





Design and installation of venting system and piping by a specialized company.

The heated exhaust air of the components must be removed in a targeted manner.

Louvre for incoming/ outgoing air with ventilation grille

Louvre for incoming air package/ thermostatically controlled

Louvre for outgoing/ recirculation air thermostatically controlled

Condensate lines have to be connected to a collective line with a gradient (>3%) via swan neck or are to be fed to the condensate treatment system separately. A pressure-less drain has to be provided for.

ATTENTION! Minimum width of door = total width of component + 100 mm

This drawing also contains work to be done on site. The regulations of EN 1012 and national regulations for setting up of power installations equivalent to VDE 0100 and VDE 0105 have to be observed; the requirements of existing operational safety ordinance and the manuals have to be considered by the operator and the employer respectively at the place of installation. The national safety and accident prevention regulations have to be observed. The installation of a sub- assembly in terms of the pressure equipment directive 2014/68/EU has to be carried out according to this directive.

For the selection of a suitable installation area, ensure fire protection, adequate ventilation, temperature control and frost-free conditions. The relevant operating instructions for the components in the room must be observed.

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Documents released by engineering are identified by these characteristics in the title block:
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Project No.	00138679	Station Setup ID	334402	Station ID	33606		
Status	CONCEPT						

Rev.	Change	Date	Name		Date	Name
04	For detailed change log, see report 'Revisions'	29.01.2026	blinzler1		Date	Name
03		28.01.2026	blinzler1	Drawing	29.01.2026	blinzler1
02		17.04.2024	blinzler1	Check	29.01.2026	hobusch
01		17.04.2024	blinzler1	Approval	29.01.2026	hobusch
				Template Rev.	2025/08	
		<RevD 6 DMY>		Orig.		
		<RevD 7 DMY>		Replaces		
		<RevD 8 DMY>		Replaced by		

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Sample planning sketch
with exhaust air duct /

Fluid cooled screw compressors
shown: 2x ASK 40, 1/4/1, 7 bar / Ref. dryer/ F KE/ F KA

Sketch	Sheet 1 of 6	Sheet size	DIN A3 / 1:50
P&I diagram	PI	Description	Views without piping and ventilation
Sketch	Layout		

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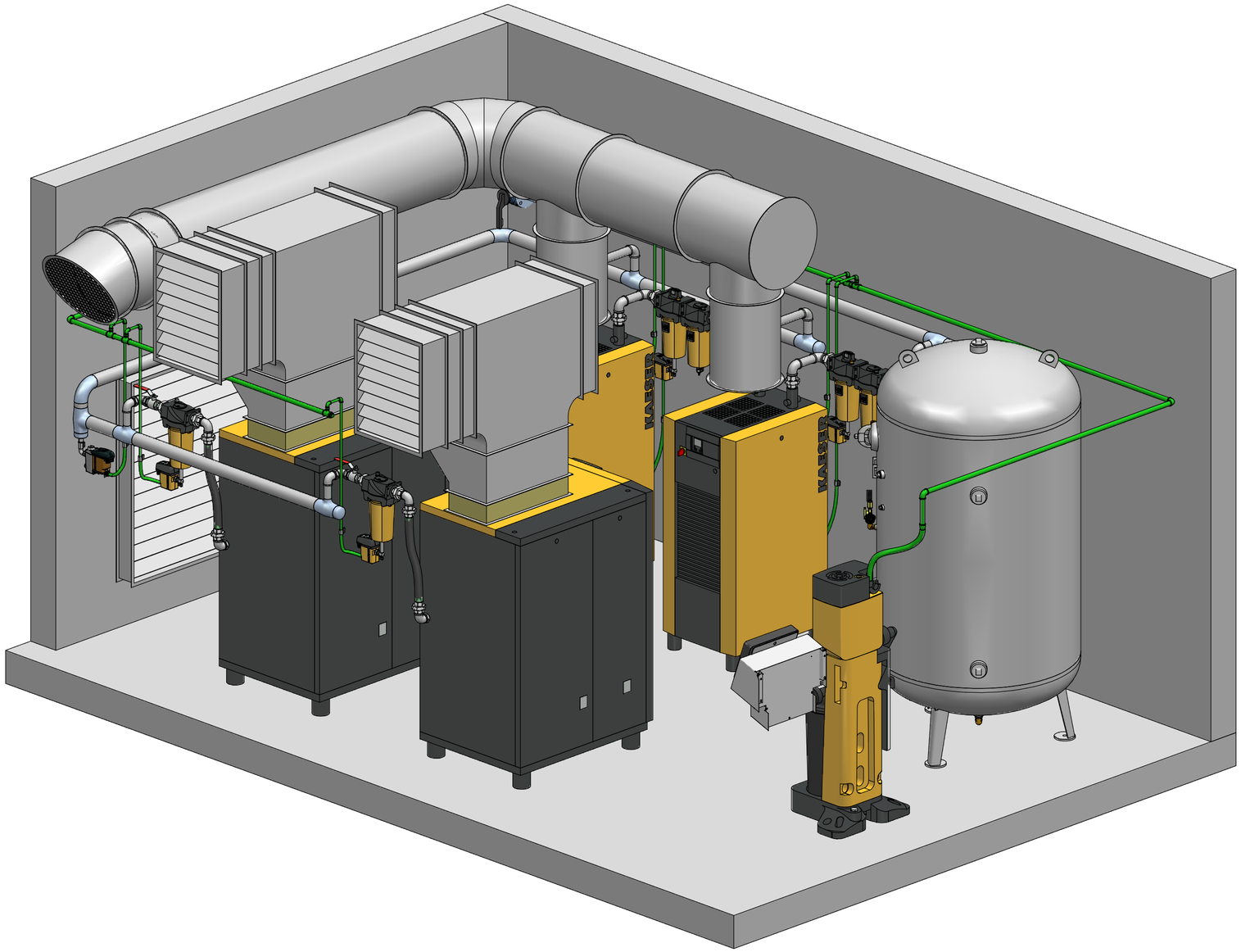

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Project No.	00138679	Station Setup ID	334402	Station ID	33606	
Status	CONCEPT					

Rev.	Change	Date	Name
04	For detailed change log, see report 'Revisions'	29.01.2026	blinzler1
03		28.01.2026	blinzler1
02		17.04.2024	blinzler1
01		17.04.2024	blinzler1
		<RevD 6 DMY>	
		<RevD 7 DMY>	
		<RevD 8 DMY>	

	Name	Date
Drawing	blinzler1	29.01.2026
Check	hobusch	29.01.2026
Approval	hobusch	29.01.2026
Template Rev.	2025/08	
Orig.		

KAESER KOMPRESSOREN®

Sample planning sketch

with exhaust air duct /

Fluid cooled screw compressors

shown: 2x ASK 40, 1/4/1, 7 bar / Ref. dryer/ F KE/ F KA

Sketch	Sheet	6 of 6	Sheet size DIN A2 / 1:50
P&I diagram	PI		Description
Sketch	Layout		
Replaces			Replaced by

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