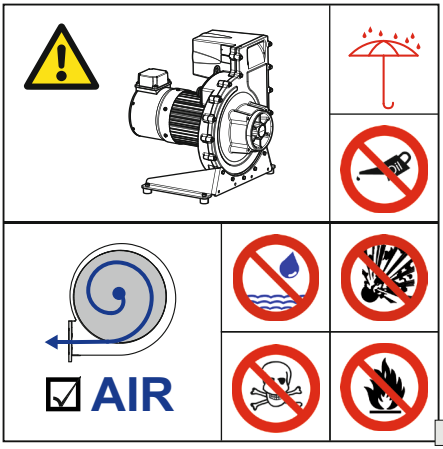
BETRIEBSANLEITUNG
OPERATING INSTRUCTIONS
INSTRUCTIONS DE SERVICE
ISTRUZIONI D'USO
HANDLEIDING
INSTRUCCIONES PARA EL MANEJO
MANUAL DE INSTRUÇÕES
NAUDOJIMOSI INSTRUKCIJA
KASUTUSJUHEND
LIETOŠANAS INSTRUKCIJA
DRIFTSINSTRUKS
DRIFTSINSTRUKTIONER
DRIFTSVEJLEDNING
INSTRUKCJA OBSŁUGI

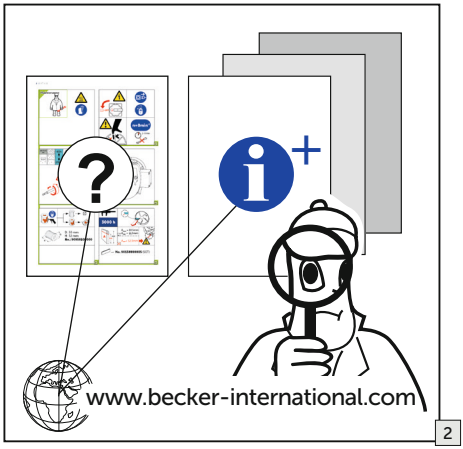
KEZELÉSI ÚTMUTATÓ
NÁVOD K OBSLUZE
NAVODILO ZA UPORABO
NÁVOD NA OBSLUHU
UPUTE ZA RAD
MANUAL DE OPERATII
TREORACHA OIBRIÚCHÁIN
ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ
EL KITABI
ИНСТРУКЦИИ ЗА ЕКСПЛОАТАЦИЯ
ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ
取扱説明書
사용설명서
使用说明书

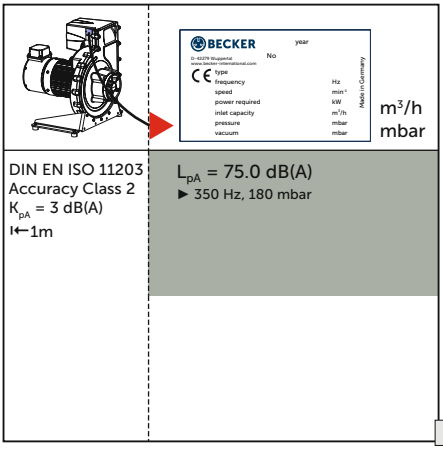
RV 2.1944/10

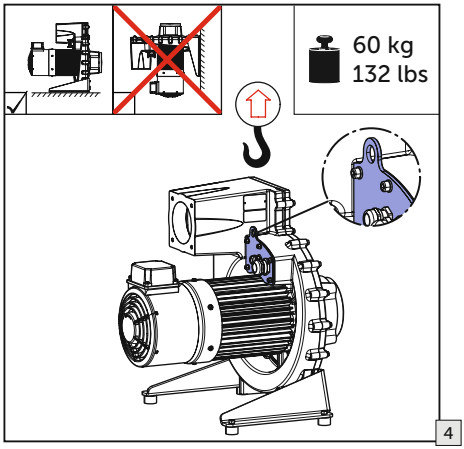
MAKE IT BECKER.

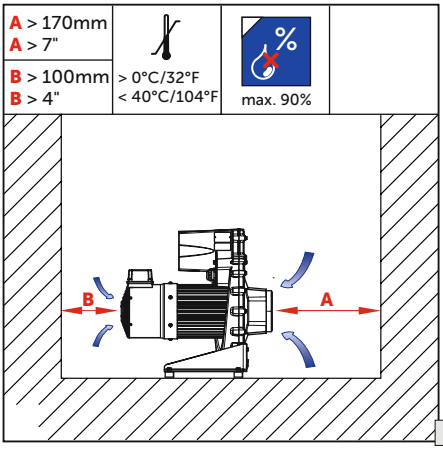
BECKER

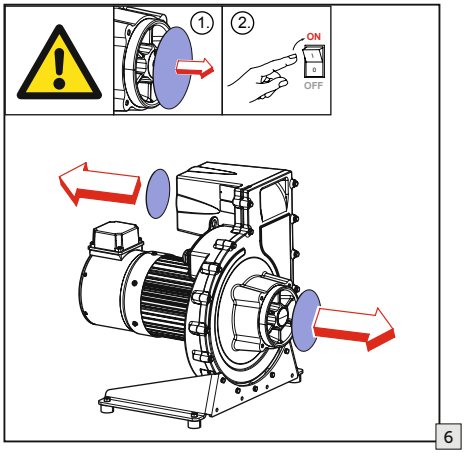

AIR
1

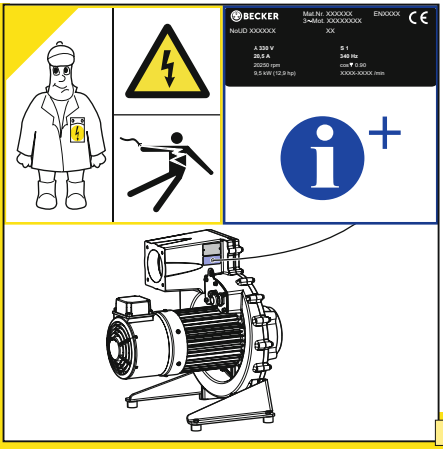

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2


BECKER
year
No
type
frequency
speed
power required
inlet capacity
pressure
vacuum
Hz
min⁻¹
kW
m³/h
mbar
mbar
Made in Germany
m³/h
mbar
DIN EN ISO 11203
Accuracy Class 2
K pA = 3 dB(A)
1m
L pA = 75.0 dB(A)
► 350 Hz, 180 mbar
3

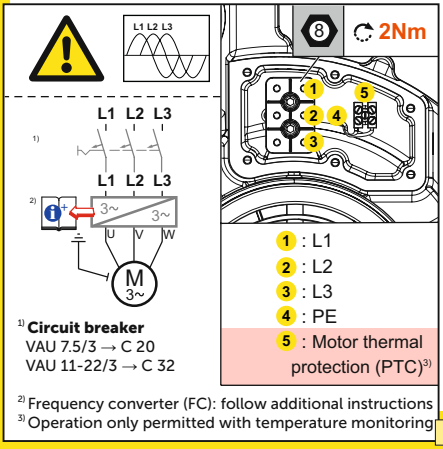

60 kg
132 lbs
4


A > 170mm
A > 7"
B > 100mm
B > 4"
> 0°C/32°F
< 40°C/104°F
max. 90%
B
A
5


1.
2.
ON
OFF
6



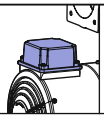
7



1) **Circuit breaker**
VAU 7.5/3 → C 20
VAU 11-22/3 → C 32

2) Frequency converter (FC): follow additional instructions
3) Operation only permitted with temperature monitoring

8



Cooling fan terminal

U1 (T1) = black
V1 (T2) = blue
W1 (T3) = brown
U2 (T4) = green
V2 (T5) = white
W2 (T6) = yellow

3~Y	W2 U2 V2 / U1 V1 W1 / L1 L2 L3	50 Hz	U	346-525V
			I (max.)	0.22A
			P (max)	91W
		60 Hz	U	380-575V
			I (max.)	0.18A
			P (max)	87W
3~Δ	W2 U2 V2 / U1 V1 W1 / L1 L2 L3	50 Hz	U	200-303V
			I (max.)	0.37A
			P (max)	91W
		60 Hz	U	220-332V
			I (max.)	0.31A
			P (max)	87W
1~⊥(Δ	W2 U2 V2 / U1 V1 W1 / L N	50 Hz	U	220-277V
			I (max.)	0.28A
			P (max)	66W
		60 Hz	U	220-277V
			I (max.)	0.30A
			P (max)	75W

9

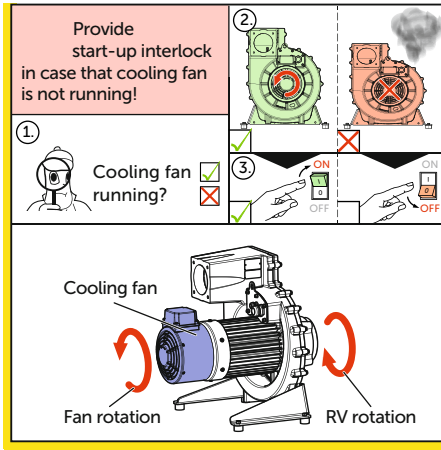
Motor Data:

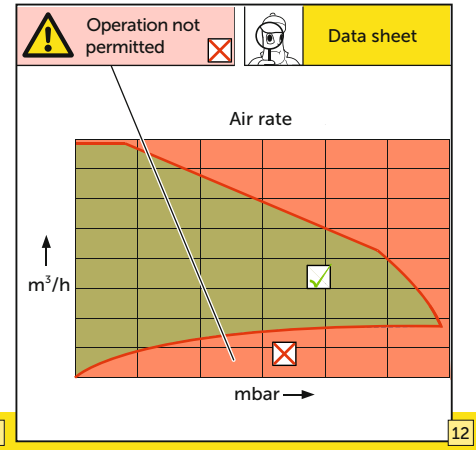
Voltage:	330 V
Cos φ:	0.9
Rated current:	20.5 A
Rated speed:	20.250 min^{-1}
Rated frequency:	340 Hz
Rated power:	9,500 W

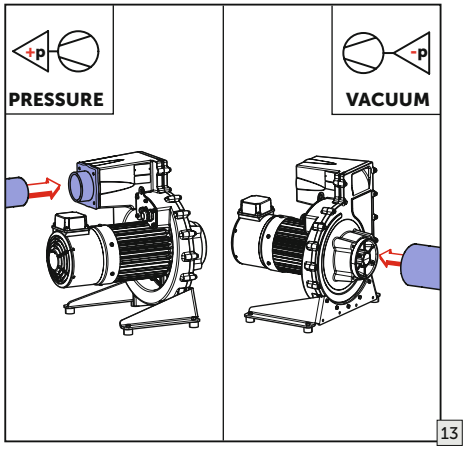
Additional parameters for the frequency converter setting:

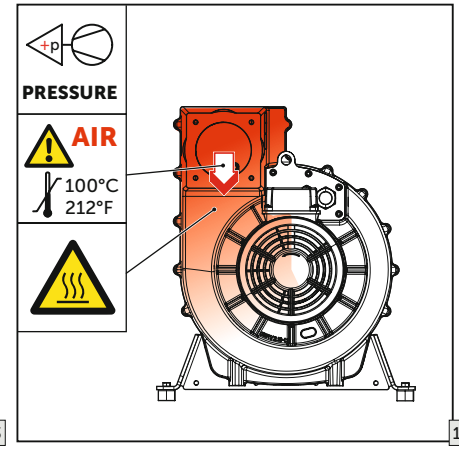
Current Limitations:	The motor current limit must be set to 26 A and be activated I2* t-Limit (motor overload monitoring) must be adapted to the motor current (26 A) and activated	
Speed Limitations:	Minimum frequency: 10 Hz or equivalent corresponding speed Maximum frequency: 400 Hz or equivalent corresponding speed	
Motor Thermal Protection:	Motor-PTC must be connected and monitoring must be enabled Motor-PTC is only basic isolated	
Additional Parameters:	Stator resistance:	0.08 Ω
	Stator inductance:	0.27 mH
	Main inductance:	12.1 mH
	Rotor inductance:	0.28 mH

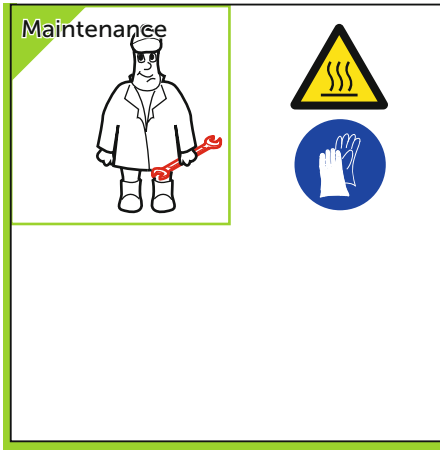
10

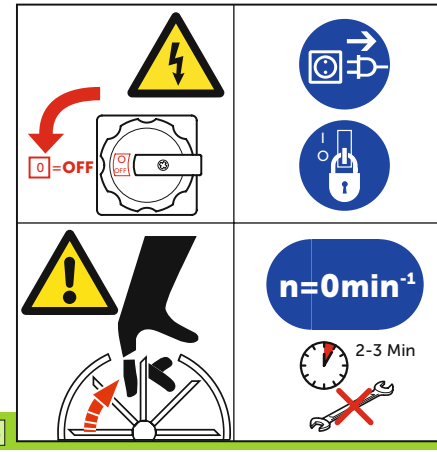

Provide
start-up interlock
in case that cooling fan
is not running!
1.
Cooling fan
running?
2.
3.
ON
OFF
Cooling fan
Fan rotation
RV rotation
11


Operation not
permitted
Data sheet
Air rate
m³/h
mbar
12


+p
PRESSURE
-p
VACUUM
13


+p
PRESSURE
AIR
100°C
212°F
14





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