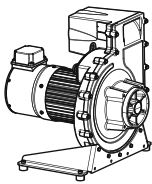
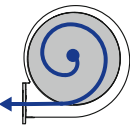


**BETRIEBSANLEITUNG
OPERATING INSTRUCTIONS
INSTRUCTIONS DE SERVICE
ISTRUZIONI D'USO
HANDLEIDING
INSTRUCCIONES PARA EL MANEJO
MANUAL DE INSTRUÇÕES
NAUDOJIMOSI INSTRUKCIJA
KASUTUSJUHEND
LIETOŠANAS INSTRUKCIJA
DRIFTSINSTRUKS
DRIFTSINSTRUKTIONER
DRIFTSVEJLEDNING
INSTRUKCJA OBSŁUGI**

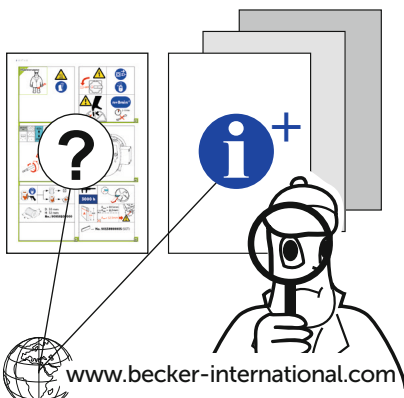
**KEZELÉSI ÚTMUTATÓ
NÁVOD K OBSLUZE
NAVODILO ZA UPORABO
NÁVOD NA OBSLUHU
UPUTE ZA RAD
MANUAL DE OPERATII
TREORACHA OIBRIÚCHÁIN
ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ
EL KITABI
ИНСТРУКЦИИ ЗА ЕКСПЛОАТАЦИЯ
ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ
取扱説明書
사용설명서
使用说明书**

RV 2.1944/10

MAKE IT BECKER.

		
		
 AIR		

1



www.becker-international.com

2

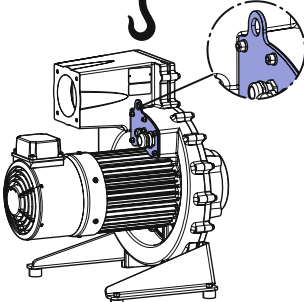
	<table border="1"><tr><td>BECKER</td><td>No</td><td>year</td></tr><tr><td>CE</td><td></td><td></td></tr><tr><td>type</td><td></td><td>Hz</td></tr><tr><td>frequency</td><td></td><td>min⁻¹</td></tr><tr><td>speed</td><td></td><td>kW</td></tr><tr><td>power required</td><td></td><td>ml/min</td></tr><tr><td>inlet capacity</td><td></td><td>mbar</td></tr><tr><td>pressure</td><td></td><td>mbar</td></tr><tr><td>vacuum</td><td></td><td>mbar</td></tr></table>	BECKER	No	year	CE			type		Hz	frequency		min ⁻¹	speed		kW	power required		ml/min	inlet capacity		mbar	pressure		mbar	vacuum		mbar	m³/h mbar
BECKER	No	year																											
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vacuum		mbar																											

DIN EN ISO 11203
Accuracy Class 2
 $K_{pA} = 3 \text{ dB(A)}$
 $\leftarrow 1\text{m}$

$L_{pA} = 75.0 \text{ dB(A)}$
► 350 Hz, 180 mbar

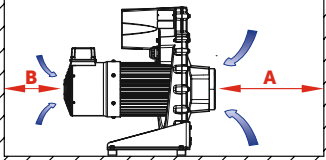
3

		 60 kg 132 lbs
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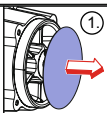


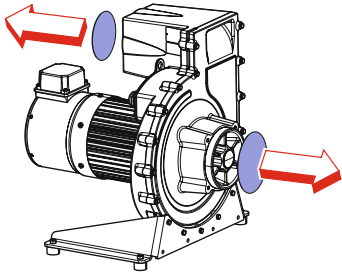
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A > 170mm A > 7"		
B > 100mm B > 4"	> 0°C/32°F < 40°C/104°F	max. 90%

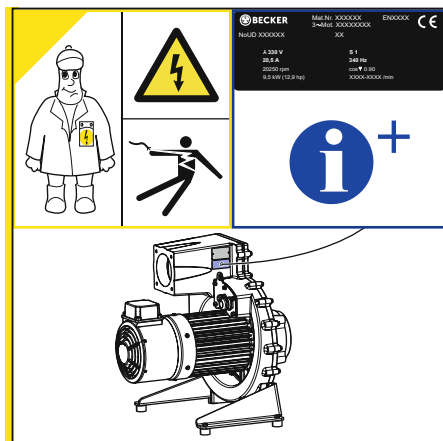


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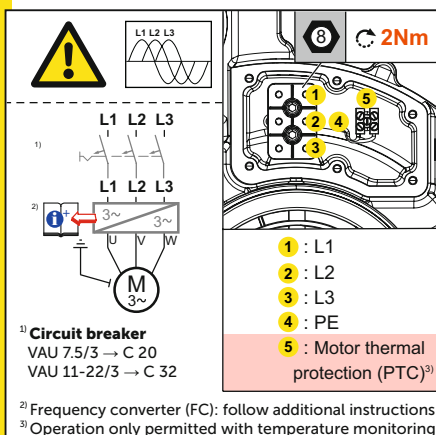
		
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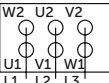
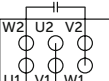
6



7



8

	 Cooling fan terminal	U1 (T1) = black V1 (T2) = blue W1 (T3) = brown U2 (T4) = green V2 (T5) = white W2 (T6) = yellow																
3~Y		<table><tr><td>50 Hz</td><td>U</td><td>I (max.)</td><td>P (max)</td></tr><tr><td>346-525V</td><td>0.22A</td><td></td><td>91W</td></tr><tr><td>60 Hz</td><td>U</td><td>I (max.)</td><td>P (max)</td></tr><tr><td>380-575V</td><td>0.18A</td><td></td><td>87W</td></tr></table>	50 Hz	U	I (max.)	P (max)	346-525V	0.22A		91W	60 Hz	U	I (max.)	P (max)	380-575V	0.18A		87W
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380-575V	0.18A		87W															
3~Δ		<table><tr><td>50 Hz</td><td>U</td><td>I (max.)</td><td>P (max)</td></tr><tr><td>200-303V</td><td>0.37A</td><td></td><td>91W</td></tr><tr><td>60 Hz</td><td>U</td><td>I (max.)</td><td>P (max)</td></tr><tr><td>220-332V</td><td>0.31A</td><td></td><td>87W</td></tr></table>	50 Hz	U	I (max.)	P (max)	200-303V	0.37A		91W	60 Hz	U	I (max.)	P (max)	220-332V	0.31A		87W
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220-332V	0.31A		87W															
1~Δ		<table><tr><td>50 Hz</td><td>U</td><td>I (max.)</td><td>P (max)</td></tr><tr><td>220-277V</td><td>0.28A</td><td></td><td>66W</td></tr><tr><td>60 Hz</td><td>U</td><td>I (max.)</td><td>P (max)</td></tr><tr><td>220-277V</td><td>0.30A</td><td></td><td>75W</td></tr></table>	50 Hz	U	I (max.)	P (max)	220-277V	0.28A		66W	60 Hz	U	I (max.)	P (max)	220-277V	0.30A		75W
	50 Hz	U	I (max.)	P (max)														
220-277V	0.28A		66W															
60 Hz	U	I (max.)	P (max)															
220-277V	0.30A		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 ☒ ☐

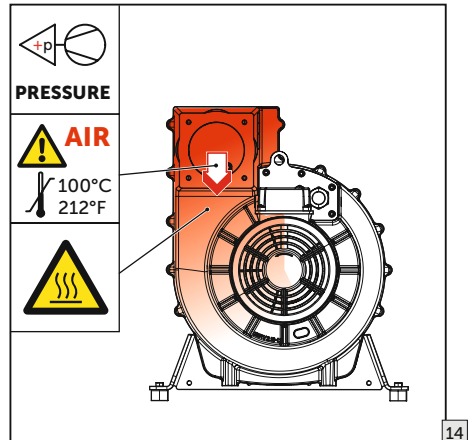
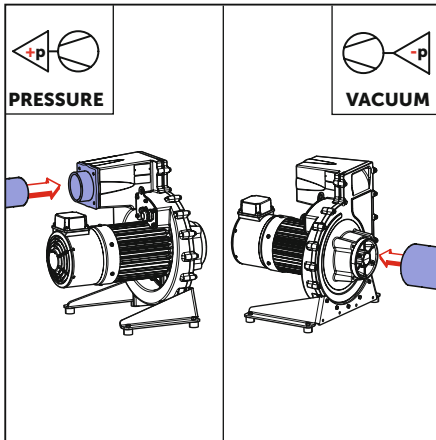
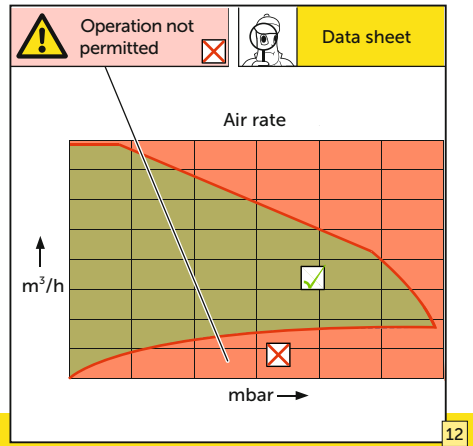
③ ☒ ☐

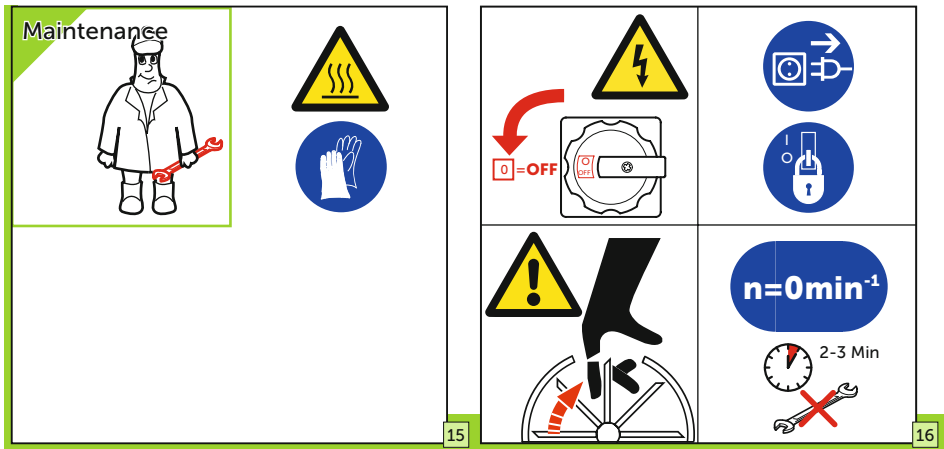
Cooling fan

Fan rotation

RV rotation

11







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