

## Power Supply ECOBRAX 200

Always appropriate: JAT Accessories



Technical data power unit		ECOBRAx 200-AA	ECOBRAx 200-BI	ECOBRAx 200-BL
AC input voltage	[V <sub>RMS</sub> ]	18 ... 50	18 ... 110	
AC input frequency	[Hz]	47 ... 63		
DC input voltage	[V <sub>DC</sub> ]	24 ... 70	24 ... 155	
Internal fuse		20 A T (3 pieces 6,3 x 32 mm / slow acting)		
DC link voltage (U <sub>z</sub> )	[V <sub>DC</sub> ]	24 ... 70	24 ... 155	
DC continuous output current (1-phase supply)	[A <sub>DC</sub> ]	max. 10 (20 A peak)		
DC continuous output current (3-phase supply)	[A <sub>DC</sub> ]	max. 20 (40 A peak)		
Continuous output power (1-phase supply)	[W]	max. 700	max. 1550	
Continuous output power (3-phase supply)	[W]	max. 1400	max. 3100	
Brake chopper voltage fixed	[V <sub>DC</sub> ]	85 ± 2	175 ± 3	-
Brake chopper voltage floating*	[V <sub>DC</sub> ]	U <sub>z</sub> + 10 V ... 15 V	-	U <sub>z</sub> + 10 V ... 15 V

\*) automatic discharging of the DC link circuit during a power failure

Technical data ballast resistor		ECOBRAx 200-AA	ECOBRAx 200-BI	ECOBRAx 200-BL
Internal ballast resistor	[Ω]	47		
Continuous power of internal ballast resistor	[W]	max. 40		
Peak power of internal ballast resistor	[W]	150	650	
Fuse of internal ballast resistor		1,6 A T (6,3 x 32 mm / slow-acting)		
Minimum value of external ballast resistor	[Ω]	10		
Fuse of external ballast resistor		10 A T (6,3 x 32 mm / slow-acting)		

Ambient conditions	
Class	3K3 according to EN 61800-2
Storage temperature	[°C] -40 ... +70
Ambient temperature during operation	[°C] 0 ... +40
Degree of humidity, non-condensing	max. 90% rel. F.
Mounting position	vertical 100 mm distance above and below, 50 mm distance on the side
Protection class	IP20
Cooling	Convection

Power supply for one or several servo amplifiers

**Maximum DC link voltage:**  
70 V or 155 V

**Maximum output power:**  
3,1 kW

**Power feed:**  
3-phase, 1-phase (via isolation transformer) or DC

**Internal brake chopper:**  
40 W continuous power  
Fixed or floating chopper voltage threshold

**External ballast resistor:**  
up to 2,5 kW can be connected

**Compact unit in metal housing**

**For ECOBRAX 200-AA additionally:**  
Optically decoupled monitoring signals and relay contacts for supply and DC link voltage

# Power Supply ECOBRAX 200

→ Technical data

**Standards**

Applied standards for CE EMC according to EN IEC 61800-3, Electrical safety according to EN 61800-5-1, RoHS according to EN IEC 63000

**Dimensions and weight**

Dimensions W x H x D	[mm]	62 x 240 x 170
Weight	[kg]	1,64

**Diagnostic interface X3 (ECOBRAX 200-AA only)**

Logic supply for the diagnostic interface*	[V <sub>DC</sub> ]	18 ... 30
Output „READY DC link voltage“	[V <sub>DC</sub> ]	16 < U <sub>z</sub> < 80
Output „READY supply“	[V <sub>RMS</sub> ]	> 15
Rating transistor outputs**	[mA]	5
Rating Relay outputs	[A]	1 A at 24 V <sub>DC</sub>

\*) not applicable if the diagnostic interface is not used

\*\*) in case of inductive load protection device required

**Accessories: Mating connector set**

EBK10	for ECOBRAX 200-AA
EBK11	for ECOBRAX 200-BI, -BL

