



DRIVE SOLUTION

- + Flexibly integrable for mobile and stationary machines
- + Programmable for all motors and applications
- + Customer-specific parametrization
- + Perfect for use under toughest operating conditions
- + Fast control functions and expandable with optional interface modules

REFUdrive

RPCS 630

The tough range for all drives

www.refu-drive.com

POWER DATA

AC output power	10 kVA	22 kVA	55 kVA	70 kVA	200 kVA
DC input voltage	UDC = 400 V – 750 V +5 % / -10 %				
AC output voltage	3 AC 0 – 400 V (500 V)				
Rated current @ 4 kHz	14 A	32 A	82 A	135 A	290 A
Peak current @ 4 kHz 60 s	18 A	42 A	107 A	176 A	377 A
Peak current @ 4 kHz 1 s	24 A	54 A	144 A	230 A	493 A
Peak current @ 4 kHz 0,5 s	28 A	68 A	164 A	270 A	-
Output frequency	0 – 599 Hz (0 – 1,600 Hz)				
Temperature range	-25 to +55 °C (derating from +40 °C)				

CONTROL HARDWARE

Communication interface	CANopen (optional: Profinet)				
Inputs and outputs	Digital inputs / outputs 4 Digital inputs 4 Digital outputs 4 Analog inputs / outputs 2 Relay outputs 1				
User Interface	Ext. control panel, REFUdriver software tool				
Encoder system	Encoder (HTL, TTL, sine/cosine encoder), resolver				

MECHANICAL DATA

Dimensions [L x W x H]	88 x 432 x 325 mm	88 x 432 x 325 mm	403 x 462 x 280 mm	462 x 403 x 283 mm	500 x 746 x 289 mm
Weight	8 kg	8 kg	28 kg	28 kg	42 kg
Degree of protection	IP 20				
Type of cooling	Air	Liquid	Air push-through		Air push-through/ liquid

GENERAL DATA

Protective functions	Device protection (over current, voltage or temperature), motor temperature monitoring				
Functional safety	-	-	STO (IEC/EN 61800-5-2-), Cat. 3, PL e (EN ISO 13849-1), SIL 3 (IEC /EN 61508)		
Electromagnetic compatibility	EMC product standard for electrical drives EN 61800-3				

OPERATION MODE

Inverter	✓	✓	✓	✓	✓
Frequency converter	✓	✓			
Active front end			✓	✓	✓
DC-DC converter			✓	✓	✓
On-board power supply	✓	✓	✓	✓	✓



Switching cabinet

+ APPLICATIONS

- Port equipment
- Construction equipment
- Commercial vehicles
- Public transportation
- Municipal vehicles