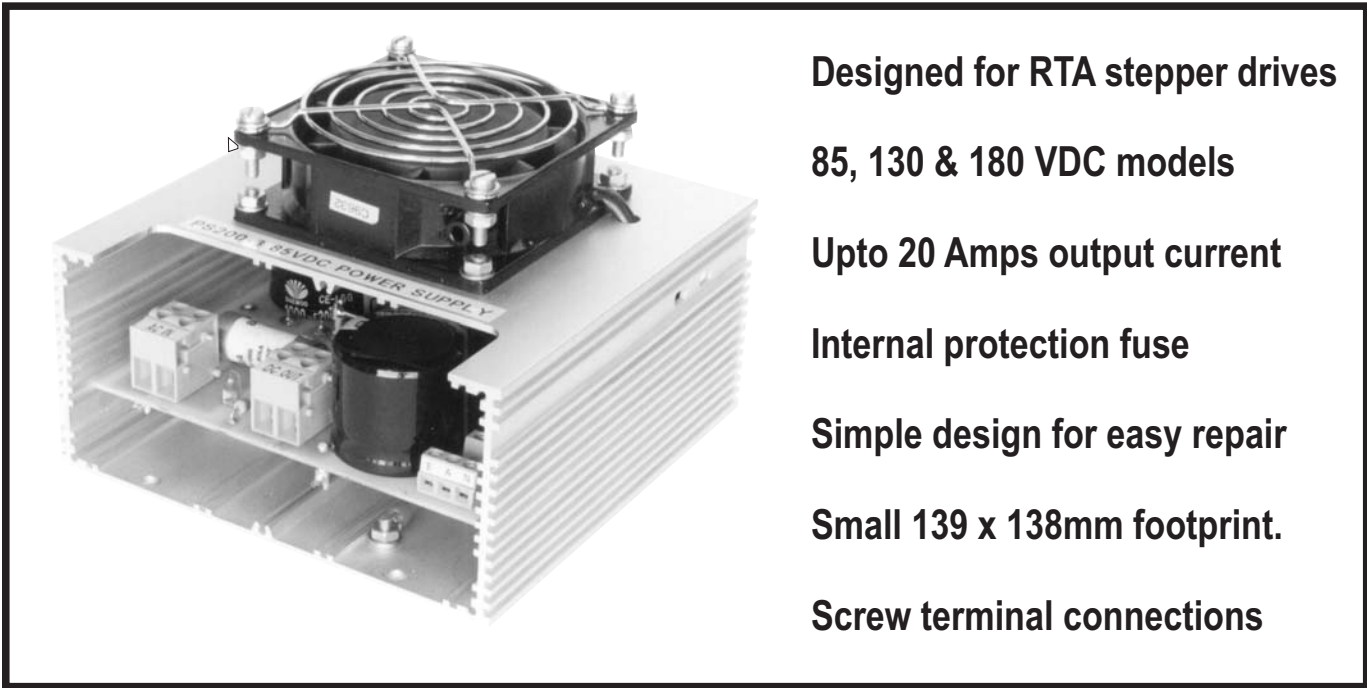


**STEPPER DRIVE SUPPLY
PS200**



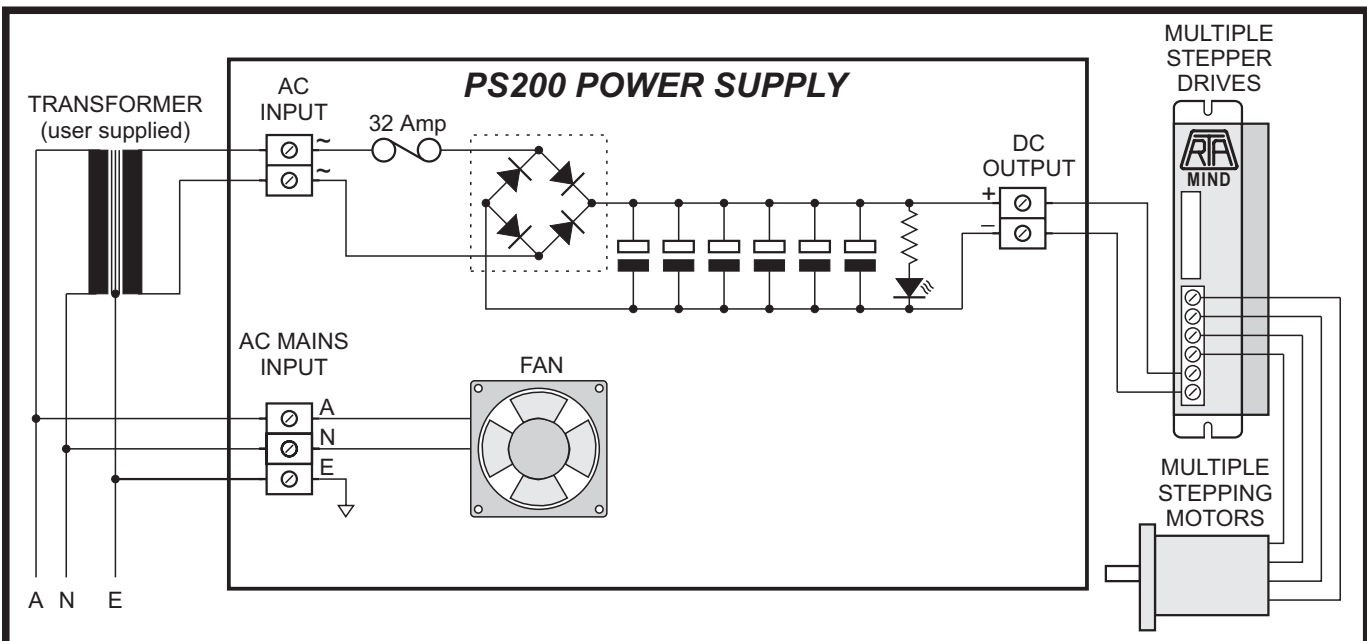
- Designed for RTA stepper drives**
- 85, 130 & 180 VDC models**
- Upto 20 Amps output current**
- Internal protection fuse**
- Simple design for easy repair**
- Small 139 x 138mm footprint.**
- Screw terminal connections**

Most of the RTA stepping motor drives such as the GMD, GMH, MIND, HGD and SDC require a high voltage DC power supply. This supply does not need to be regulated and is usually provided by a transformer, rectifier, fuse and capacitor.

While single axis power supplies are not difficult to make, when several axes are required, the current can be quite high and in house assembly may not be a the most economical option.

The PS200 consists of a high current rectifier bridge, heatsink, smoothing capacitors, fuse, terminals and an indicator LED to dissipate capacitor charge when power is disconnected. All that is required is to add a mains transformer.

The PS200 is housed in an anodised aluminium case which can be easily mounted in an electrical cabinet. All models have a mains powered fan to dissipate heat generated by the rectifier bridge.



SPECIFICATIONS

PARAMETER	UNITS	PS200-3	PS200-4	PS200-5
MAX OUTPUT CURRENT	<i>Amps-DC</i>	20	20	20
TRANSFORMER POWER FOR MAX CURRENT	<i>VA</i>	1800	2650	3650
NOMINAL DC OUTPUT VOLTAGE	<i>VDC</i>	85	130	180
NOMINAL AC INPUT VOLTAGE	<i>VAC-RMS</i>	61	92	128
OUTPUT VOLTAGE RIPPLE	$\Delta V / \text{Amp}$	0.75	1.67	2.03
SMOOTHING CAPACITORS	μF	13200	6000	4920
TIME FOR VOLTAGE TO DECAY TO 12V	<i>seconds</i>	44	19	16

DRIVE COMPATABILITY

STEPPER DRIVE	SUPPLY MODEL	RECOMMENDED DC SUPPLY	MIN DRIVE SUPPLY	RECOMMENDED AC INPUT	MIN AC INPUT
		<i>VDC</i>	<i>VDC</i>	<i>VAC</i>	<i>VAC</i>
HGD04, HGD06	PS200-3	65	32	47	24
SDC04, SDC05, SDC06	PS200-3	65	32	47	24
GMD02, GMD03	PS200-3	85	55	61	40
GMD04	PS200-4	130	95	92	66
GMD06	PS200-5	180	120	128	95
GMH05, GMH06, GMH07	PS200-3	85	55	61	40
GMH09	PS200-5	180	100	128	71
MIND - X3	PS200-3	85	55	61	40
MIND - X4	PS200-4	140	95	100	68
MIND - X5	PS200-5	180	120	128	95

SPECIFICATIONS

VOLTAGES

All transformer and DC output voltages are measured at open circuit (no load). Fan supply can be either 240 or 110 VAC.

HGD & SDC DRIVES

These drives operate on a lower voltage than the GMD and GMH series. Transformer voltages must be reduced for these to prevent drive damage.

MIND DRIVES

The letter "X" in the MIND series can apply to "A", "B", "T" or "S". The type of MIND drive does not matter as power supply requirements are the same.

DRIVE CURRENTS

Estimating drive current requirements are not easy. There is no simple mathematical rule. Please contact office for assistance. Drive currents depend on drive model, drive current setting, motor size, motor speed, mechanical load and duty cycle.

HEAT GENERATION

26 Watts at 20A output

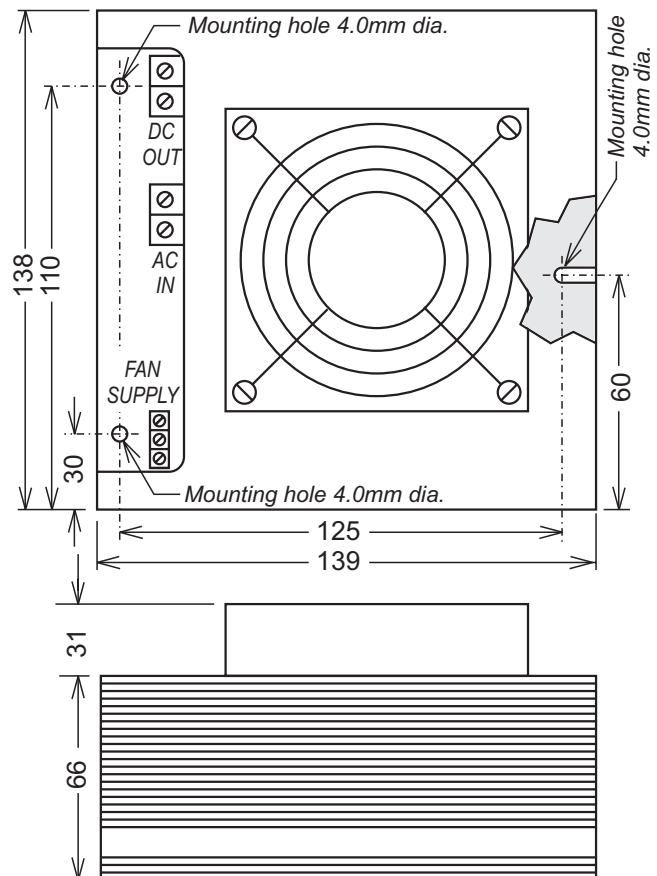
OPERATING TEMPERATURE

0-50 °C

WEIGHT

0.95kg

DIMENSIONS & MOUNTING



PS200bk A.B.N.: 94 009 232 535