

LABORATORY STIRRER

with only one FAST SHAFT

AG 66 U



SPECIFICATION - ACCESSORIES

INSTRUCTIONS: ASSEMBLY and USE

LABORATORY STIRRER with step less mechanical regulation TYPE AG. 66U

This device is composed basically of a motor and a continuous mechanical speed variator which, placed in the same housing of die-cast aluminium alloy, form a single and compact block. By means of a pressure screw and two shock absorbers, this layout allows perfect self-balancing of the mating of the motor and the variator, thus ensuring high performance and long life of the stirrer.

The laboratory stirrer AG. 66U type comes from the AG 66 model. It has been tested for many years and now it is even more powerful: 30 watt rating.

The transmitted power is constant: whatever is the chose speed, it remains constant.

SPECIFICATION**□ MOTOR**

- single phase with condenser
- input power 70 Watt
- output power 30 Watt
- shaft mounted on ball bearings
- efficient self ventilation
- silent operation
- overheating protection 130° C
- simple and robust construction
- requires no particolar maintenance

□ CONTINUOUS MECHANICAL SPEED VARIATOR

- built according to the cone and roll clutch principle
- this system allows one to obtain from 280 to 2200 r.p.m. speed regulation with a knurled knob, indexed scale with speed control indicator
- exit shafts with through hole, allow easy height regulation of the stirring rods

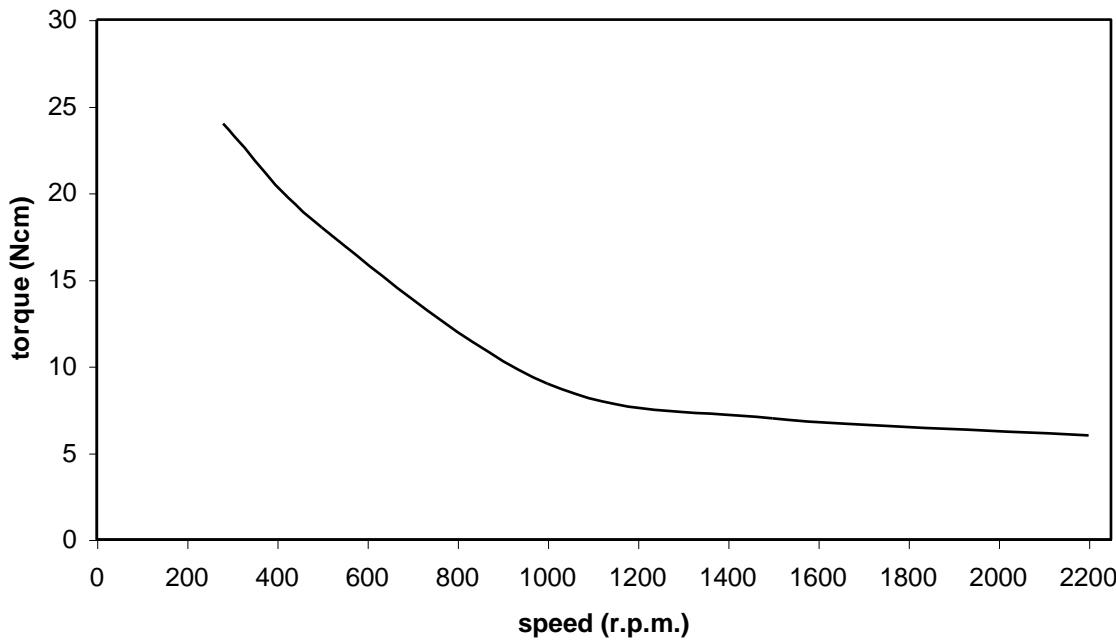
□ HOLE for flexed support rod: allows the stirrer to be placed in the desired position.**□ SWITCH** bipolar and light**□ OUTPUT CABLE** 2 m. long and earthed plug; supply voltage 230 V 50 Hz (115 V 60 Hz on demand).**□ CHUCK** self centering and chrome plated, with 3 jaws, complete with key; grip capacity: 0 - 8 mm.**□ DIMENSIONS** 88 mm width, 260 mm height, 170 mm depth.**□ WEIGHT** Kg. 3,100 including support rod and chuck.**UTILIZATION**

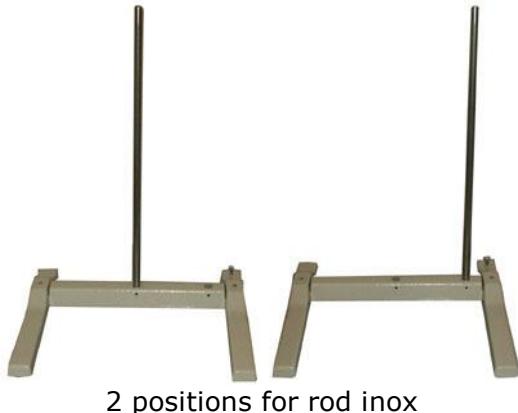
- It is suitable for fluid substances or liquids with light viscosity (capacity till 25 litres).

Pursuant to instructions 73/23 CEE - 93/68 CEE e 89/336 CEE

Label AG 66 – AG 66 U

Cat. No	AG 66	AG 66 U
motor input/output W	70/30	70/30
number of shaft	2	1
speed ranges rpm	35-250/280-2200	280-2200
speed indicator	scale-marks	scale-marks
torque max (see diagram) N cm	120	24
viscosity max Pa s	50	10
stirring capacity l	25	25
chuck capacity mm	0 - 8	0 - 8
dimension mm	250x120x180	250x120x180
weight kg	3,2	3,1
motor protection	overheat protection automatic reset	overheat protection automatic reset
condition of use: ambient temperature °C	0 - 40	0 - 40
humidity max %	80	80
protection class	IP 20	IP 20
power	220 V 50 Hz 115 V 60 Hz	220 V 50 Hz 115 V 60 Hz

Ag. 66U diagram torque/speed**ACCESSORIES: on request**

**661.06 STAND**

- Big stand, H shaped, 45x40 cm, weight 12,00 kg
- Cast iron painted
- No tip up, no slippery, level screw
- Rod inox AISI 304, ø16 mm, height 600 mm



Level screw

**662.05 SPECIAL CLAMP**

- Special for stirrers AG and rotary evaporators EVI
- Anticorodal alloy painted
- Safe and fast clamping of the stirrer and the rotary evaporators bars (ø 12 mm) on the rod stand (ø 16 mm)

**AGITATION BARS** inox AISI 304 ø 8 mm x 500 mm

- **666** with blade 60 x 15 mm
- **667** with 6 blades screw ø 50 mm
- **667 S** with blades screw on request

OTHER AGITATION BARS: on request

ASSEMBLING

1. Fix the chuck on the primary shaft.
2. Put the supporting shaft, flexed from its shortest side, pushing it in to the end, in the provided hole on the back side of the stirrer.
Turn the sidelong locking screw with the provided hexagonal 2,5 Allen wrench.
3. Introduce the agitation bar in the chuck and block it with the proper Allen wrench.
4. Fix the stirrer, by a double clamp, on the shaft of a support. The agitation bar can be fixed without any difficulty at the right height without moving the stirrer, because the chuck and the rotary shafts are of passing hole kind.

IMPORTANT: The speed regulation must be done when the stirrer is working

SAFETY

Before connecting the AG 66 U at the 230V 50Hz electricity, ensure a safe earthing of the power point.

Specifications subject to change without notice.

