



松侑機械工業股份有限公司  
PHOEBUS MACHINERY INC.

**PBM-GEVS600A**



**VERTICAL & HORIZONTAL MILLING** (CE)

## **PBM-GEVS600A** **INVERTER VARI.** **SPEED**



## **PBM-GS600A** **STEP SPEED**



## SPECIFICATION :

UNIT: MM

| ITEMS              |                          |       | PBM-GS600A                | PBM-GEVS600A |  |
|--------------------|--------------------------|-------|---------------------------|--------------|--|
| TABLE              | TABLE SIZE               |       | 1270x370 (1470x370 OPT.)  |              |  |
|                    | T SLOT (WxNO.xPITCH)     |       | 18x3x80                   |              |  |
|                    | MAX. TABLE LOAD (KGS)    |       | 500                       |              |  |
| TRAVEL             | XxYxZ-MANUAL             |       | 930x610x440               |              |  |
|                    | XxYxZ-AUTO               |       | 920x600x420               |              |  |
| FEED               | LONG./MIN (50/60 HZ)     |       | 30-3000                   |              |  |
|                    | CROSS/MIN (50/60 HZ)     |       | 30-3000                   |              |  |
|                    | VERTICAL/MIN             | 50 HZ | 960 (30-1150 VARI. OPT.)  |              |  |
|                    |                          | 60 HZ | 1150 (30-1150 VARI. OPT.) |              |  |
| VERTICAL SPINDLE   | SPINDLE NOSE             |       | NT 40                     |              |  |
|                    | STEPS                    |       | 16                        | INVERTER     |  |
|                    | SPINDLE SPEED RPM        | 50 HZ | 62-3000                   | 60-3600      |  |
|                    |                          | 60 HZ | 75-3600                   |              |  |
|                    | SWIVELLING ANGLE(R&L)    |       | 45°                       |              |  |
|                    | QUILL TRAVEL             |       | 140                       |              |  |
|                    | QUILL FEEDS/REV          |       | 0.035 / 0.07 / 0.14       |              |  |
|                    | SPINDLE NOSE TO TABLE    |       | 98-538                    |              |  |
|                    | SPINDLE CENTER TO COLUMN |       | 185-785                   |              |  |
|                    | CROSS TRAVEL OF RAM      |       | 600                       |              |  |
| HORIZONTAL SPINDLE | SPINDLE NOSE             |       | NT 50                     |              |  |
|                    | SPINDLE SPEED RPM        | 50 HZ | 60-1440                   | 75-1730      |  |
|                    |                          | 60 HZ | 75-1730                   |              |  |
|                    | STEPS                    |       | 9                         |              |  |
|                    | SPINDLE TO BOTTOM OF RAM |       | 175                       |              |  |
| MOTOR              | VERTICAL SPINDLE         |       | 5 HP                      | 5 HP         |  |
|                    | HORIZONTAL SPINDLE       |       | 7.5HP                     |              |  |
|                    | FEED X,Y AXES            |       | AC SERVO 750W             |              |  |
|                    | FEED Z AXIS              |       | 1HP (AC SERVO 850W OPT.)  |              |  |
|                    | COOLANT PUMP             |       | 1/8 HP                    |              |  |
| SIZE               | MACHINE (LxWxH)          |       | 2070x2050x2600            |              |  |
|                    | NET WEIGHT (KGS)         |       | 2600                      | 2700         |  |

\* SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.

### STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X, Y AXES SERVO MOTO
- 4.X, Y AXES BALL SCREW
- 5.VERTICAL HEAD AUTO LUBRICATION PUMP
- 6.SLIDE WAY AUTO LUBRICATION PUMP
- 7.HORIZONTAL ARBOR AND SUPPORT

### OPTIONAL FUNCTIONS

- 1.TABLE SIZE 1470x370 (X AXIS TRAVEL +200)
- 2.Z AXIS SERVO MOTOR
- 3.AIR POWER DRAWBAR
- 4.DIGITAL READ OUT
- 5.VERTICAL HEAD ATTACHMENT
- 6.WORKING LAMP
- 7.TAPPING DEVICE
- 8.TABLE SPLASH GUARD

## **PBM-GEVS500A** **INVERTER VARI.** **SPEED**



## **PBM-GS500A** **STEP SPEED**



## SPECIFICATION :

UNIT: MM

| ITEMS              |                          |       | PBM-GS500A                | PBM-GEVS500A |  |
|--------------------|--------------------------|-------|---------------------------|--------------|--|
| TABLE              | TABLE SIZE               |       | 1270x370 (1470x370 OPT.)  |              |  |
|                    | T SLOT (WxNO.xPITCH)     |       | 18x3x80                   |              |  |
|                    | MAX. TABLE LOAD (KGS)    |       | 450                       |              |  |
| TRAVEL             | XxYxZ-MANUAL             |       | 930x520x440               |              |  |
|                    | XxYxZ-AUTO               |       | 920x500x420               |              |  |
| FEED               | LONG./MIN (50/60 HZ)     |       | 30-3000 VARI.             |              |  |
|                    | CROSS/MIN (50/60 HZ)     |       | 30-3000 VARI.             |              |  |
|                    | VERTICAL/MIN             | 50 HZ | 960 (30-1150 VARI. OPT.)  |              |  |
|                    |                          | 60 HZ | 1150 (30-1150 VARI. OPT.) |              |  |
| VERTICAL SPINDLE   | SPINDLE NOSE             |       | NT 40                     |              |  |
|                    | STEPS                    |       | 16                        | INVERTER     |  |
|                    | SPINDLE SPEED RPM        | 50 HZ | 62-3000                   | 60-3600      |  |
|                    |                          | 60 HZ | 75-3600                   |              |  |
|                    | SWIVELLING ANGLE (R&L)   |       | 45°                       |              |  |
|                    | QUILL TRAVEL             |       | 140                       |              |  |
|                    | QUILL FEEDS/REV          |       | 0.035 / 0.07 / 0.14       |              |  |
|                    | SPINDLE NOSE TO TABLE    |       | 85-505                    |              |  |
|                    | SPINDLE CENTER TO COLUMN |       | 185-785                   |              |  |
|                    | CROSS TRAVEL OF RAM      |       | 600                       |              |  |
| HORIZONTAL SPINDLE | SPINDLE NOSE             |       | NT 40                     |              |  |
|                    | SPINDLE SPEED RPM        | 50 HZ | 60-1440                   | 75-1730      |  |
|                    |                          | 60 HZ | 75-1730                   |              |  |
|                    | STEPS                    |       | 9                         |              |  |
|                    | SPINDLE TO BOTTOM OF RAM |       | 175                       |              |  |
| MOTOR              | VERTICAL SPINDLE         |       | 5 HP                      | 5 HP         |  |
|                    | HORIZONTAL SPINDLE       |       | 5 HP                      |              |  |
|                    | FEED X,Y AXES            |       | AC SERVO 750W             |              |  |
|                    | FEED Z AXIS              |       | 1 HP (AC SERVO 850W OPT.) |              |  |
|                    | COOLANT PUMP             |       | 1/8 HP                    |              |  |
| SIZE               | MACHINE (LxWxH)          |       | 2070x2050x2600            |              |  |
|                    | NET WEIGHT (KGS)         |       | 2600                      | 2700         |  |

\* SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.

### STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X, Y AXES SERVO MOTO
- 4.X, Y AXES BALL SCREW
- 5.VERTICAL HEAD AUTO LUBRICATION PUMP
- 6.SLIDE WAY AUTO LUBRICATION PUMP
- 7.HORIZONTAL ARBOR AND SUPPORT

### OPTIONAL FUNCTIONS

- 1.TABLE SIZE 1470x370 (X AXIS TRAVEL +200)
- 2.Z AXIS SERVO MOTOR
- 3.AIR POWER DRAWBAR
- 4.DIGITAL READ OUT
- 5.VERTICAL HEAD ATTACHMENT
- 6.WORKING LAMP
- 7.TAPPING DEVICE
- 8.TABLE SPLASH GUARD
- 9.TABLE HARDENED

## **PBM-GEVS300A** **INVERTER VARI.** **SPEED**



## **PBM-GS300A** **STEP SPEED**

## SPECIFICATION :

UNIT: MM

| ITEMS                                                       |                          |                     | PBM-GS300A               | PBM-GEVS300A |  |
|-------------------------------------------------------------|--------------------------|---------------------|--------------------------|--------------|--|
| TABLE                                                       | TABLE SIZE               |                     | 1270x300 (1470x300 OPT.) |              |  |
|                                                             | T SLOT (WxNO.xPITCH)     |                     | 16x3x80                  |              |  |
|                                                             | MAX. TABLE LOAD          |                     | 450                      |              |  |
| TRAVEL                                                      | XxYxZ-MANUAL             |                     | 930x390x450              |              |  |
|                                                             | XxYxZ-AUTO               |                     | 920x370x450              |              |  |
| FEED                                                        | LONG./MIN                | 50 HZ               | 18-320(6 STEPS)          |              |  |
|                                                             |                          | 60 HZ               | 22-384(6 STEPS)          |              |  |
|                                                             | LONG. RAPID /MIN         | 50 HZ               | 1040                     |              |  |
|                                                             |                          | 60 HZ               | 1250                     |              |  |
|                                                             | CROSS/MIN                |                     | 50-2200                  |              |  |
|                                                             | VERTICAL/MIN             | 50 HZ               | 360                      |              |  |
| VERTICAL SPINDLE                                            |                          | 60 HZ               | 430                      |              |  |
| SPINDLE NOSE                                                |                          | NT 40               |                          |              |  |
| STEPS                                                       |                          | 16                  | INVERTER                 |              |  |
| SPINDLE SPEED RPM                                           | 50 HZ                    | 62-3000             | 60-3600                  |              |  |
|                                                             | 60 HZ                    | 75-3600             |                          |              |  |
| SWIVELLING ANGLE(R&L)                                       |                          | 45°                 |                          |              |  |
| QUILL TRAVEL                                                |                          | 140                 |                          |              |  |
| QUILL FEEDS/REV                                             |                          | 0.035 / 0.07 / 0.14 |                          |              |  |
| SPINDLE NOSE TO TABLE                                       |                          | 85-535              |                          |              |  |
| HORIZONTAL SPINDLE                                          | SPINDLE CENTER TO COLUMN |                     |                          | 190-690      |  |
|                                                             | CROSS TRAVEL OF RAM      |                     |                          | 500          |  |
|                                                             | SPINDLE NOSE             |                     |                          | NT 40        |  |
|                                                             | SPINDLE SPEED RPM        | 50 HZ               |                          | 60-1440      |  |
|                                                             |                          | 60 HZ               |                          | 75-1730      |  |
| MOTOR                                                       | STEPS                    |                     |                          | 9            |  |
|                                                             | SPINDLE TO BOTTOM OF RAM |                     |                          | 173          |  |
|                                                             | SPINDLE CENTER TO TABLE  |                     |                          | 0-450        |  |
|                                                             | VERTICAL SPINDLE         |                     | 5 HP                     | 5 HP         |  |
|                                                             | HORIZONTAL SPINDLE       |                     | 5 HP                     |              |  |
|                                                             | TABLE FEED X AXES        |                     | 3/4 HP                   |              |  |
| SIZE                                                        | TABLE FEED Y AXES        |                     | 1/2 HP                   |              |  |
|                                                             | TABLE RAPID Z AXIS       |                     | 1/4 HP                   |              |  |
|                                                             | COOLANT PUMP             |                     | 1/8HP                    |              |  |
| MACHINE (LxWxH)                                             |                          |                     | 1740x1615x2400           |              |  |
|                                                             | NET WEIGHT (KGS)         |                     | 2350                     | 2550         |  |
| * SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE. |                          |                     |                          |              |  |

### STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X AXIS GEAR BOX FEED
- 4.Y AXIS INVERTER MOVE WITH BALL SCREW
- 5.TABLE ELEVATING MOTOR
- 6.VERTICAL HEAD AUTO LUBRICATION PUMP
- 7.SLIDE WAY AUTO LUBRICATION PUMP
- 8.HORIZONTAL ARBOR AND SUPPORT

### OPTIONAL FUNCTIONS

- 1.TABLE SIZE 1470x300 (X AXIS TRAVEL +200)
- 2.X AXIS BALL SCREW WITH INVERTER MOVE
- 3.AIR POWER DRAWBAR
- 4.DIGITAL READ OUT
- 5.TAPPING DEVICE
- 6.WORKING LAMP
- 7.TABLE SPLASH GUARD
- 8.TABLE HARDENED
- 9.TABLE SWIVEL(L&R) 45°

## **PBM-GEVS300AF** **INVERTER VARI.** **SPEED**



## **PBM-GS300AF** **STEP SPEED**



**SPECIFICATION :**

**UNIT: MM**

| ITEMS              |                            |       | PBM-GS300AF              | PBM-GEVS300AF |  |
|--------------------|----------------------------|-------|--------------------------|---------------|--|
| TABLE              | TABLE SIZE                 |       | 1270x300 (1470x300 OPT.) |               |  |
|                    | T SLOT (WxNO.xPITCH)       |       | 16x3x80                  |               |  |
|                    | MAX. TABLE LOAD            |       | 450                      |               |  |
| TRAVEL             | XxYxZ-MANUAL               |       | 930x390x450              |               |  |
|                    | XxYxZ-AUTO                 |       | 920x370x450              |               |  |
|                    | LONG./MIN (50/60 HZ)       |       | 50-2200                  |               |  |
|                    | LONG. RAPID/MIN (50/60 HZ) |       | 2200                     |               |  |
|                    | CROSS/MIN (50/60 HZ)       |       | 50-2200                  |               |  |
|                    | VERTICAL/MIN               | 50 HZ | 360                      |               |  |
|                    |                            | 60 HZ | 430                      |               |  |
| VERTICAL SPINDLE   | SPINDLE NOSE               |       | NT 40                    |               |  |
|                    | STEPS                      |       | 16                       | INVERTER      |  |
|                    | SPINDLE SPEED RPM          | 50 HZ | 62-3000                  | 60-3600       |  |
|                    |                            | 60 HZ | 75-3600                  |               |  |
|                    | SWIVELLING ANGLE(R&L)      |       | 45°                      |               |  |
|                    | QUILL TRAVEL               |       | 140                      |               |  |
|                    | QUILL FEEDS/REV            |       | 0.035 / 0.07 / 0.14      |               |  |
|                    | SPINDLE NOSE TO TABLE      |       | 85-535                   |               |  |
|                    | SPINDLE CENTER TO COLUMN   |       | 190-690                  |               |  |
| HORIZONTAL SPINDLE | CROSS TRAVEL OF RAM        |       | 500                      |               |  |
|                    | SPINDLE NOSE               |       | NT 40                    |               |  |
|                    | SPINDLE SPEED RPM          | 50 HZ | 60-1440                  |               |  |
|                    |                            | 60 HZ | 75-1730                  |               |  |
|                    | STEPS                      |       | 9                        |               |  |
|                    | SPINDLE TO BOTTOM OF RAM   |       | 173                      |               |  |
| MOTOR              | SPINDLE CENTER TO TABLE    |       | 0-450                    |               |  |
|                    | VERTICAL SPINDLE           |       | 5 HP                     | 5 HP          |  |
|                    | HORIZONTAL SPINDLE         |       | 5 HP                     |               |  |
|                    | TABLE FEED X AXES          |       | 1/2 HP                   |               |  |
|                    | TABLE FEED Y AXES          |       | 1/2 HP                   |               |  |
|                    | TABLE RAPID Z AXIS         |       | 1/4 HP                   |               |  |
| SIZE               | COOLANT PUMP               |       | 1/8HP                    |               |  |
|                    | MACHINE (LxWxH)            |       | 1740x1615x2400           |               |  |
|                    | NET WEIGHT (KGS)           |       | 2350                     | 2550          |  |

\* SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.

## STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X, Y AXIS INVERTER MOVE WITH BALL SCREW
- 4.TABLE ELEVATING MOTOR
- 5.VERTICAL HEAD AUTO LUBRICATION PUMP
- 6.SLIDE WAY AUTO LUBRICATION PUMP
- 7.HORIZONTAL ARBOR AND SUPPORT

## OPTIONAL FUNCTIONS

- 1.TABLE SIZE 1470x300 (X AXIS TRAVEL +200)
- 2.AIR POWER DRAWBAR
- 3.DIGITAL READ OUT
- 4.TAPPING DEVICE
- 5.WORKING LAMP
- 6.TABLE SPLASH GUARD
- 7.TABLE HARDENED
- 8.TABLE SWIVEL(L&R) 45°
- 9.VERTICAL HEAD ATTACHMENT

## PBM-HU300



## SPECIFICATION :

UNIT: MM

| ITEMS                                                       |                          |         | PBM-HU300       |
|-------------------------------------------------------------|--------------------------|---------|-----------------|
| TABLE                                                       | TABLE SIZE               |         | 1270x300        |
|                                                             | T SLOT (WxNO.xPITCH)     |         | 16x3x80         |
|                                                             | SWIVEL (L&R)             |         | 45°             |
|                                                             | MAX. TABLE LOAD (KGS)    |         | 400             |
| TRAVEL                                                      | XxYxZ-MANUAL             |         | 930x390x450     |
|                                                             | XxYxZ-AUTO               |         | 920x370x450     |
| FEED                                                        | LONG./MIN                | 50 HZ   | 18-320(6 STEPS) |
|                                                             |                          | 60 HZ   | 22-384(6 STEPS) |
|                                                             | LONG. RAPID/MIN          | 50 HZ   | 1040            |
|                                                             |                          | 60 HZ   | 1250            |
|                                                             | CROSS FEED RATE          |         | 50-2200         |
|                                                             | VERTICAL/MIN             | 50 HZ   | 360             |
| VERTICAL SPINDLE                                            |                          | 60 HZ   | 430             |
| SPINDLE NOSE                                                |                          | NT 40   |                 |
| STEPS                                                       |                          | 9       |                 |
| SPINDLE SPEED RPM                                           | 50 HZ                    | 45-1100 |                 |
|                                                             | 60 HZ                    | 55-1320 |                 |
| SWIVELLING ANGLE(R&L)                                       |                          | 45°     |                 |
| HORIZONTAL SPINDLE                                          | SPINDLE NOSE TO TABLE    |         | 0-390           |
|                                                             | SPINDLE NOSE             |         | NT 40           |
|                                                             | SPINDLE SPEED RPM        | 50 HZ   | 60-1440         |
|                                                             |                          | 60 HZ   | 75-1730         |
|                                                             | STEPS                    |         | 9               |
|                                                             | SPINDLE TO BOTTOM OF RAM |         | 175             |
| MOTOR                                                       | SPINDLE CENTER TO TABLE  |         | 0-450           |
|                                                             | HORIZONTAL SPINDLE       |         | 5 HP            |
|                                                             | TABLE FEED X AXIS        |         | 3/4 HP          |
|                                                             | TABLE FEED Y AXIS        |         | 1/2 HP          |
|                                                             | TABLE RAPID Z AXIS       |         | 1/4 HP          |
| SIZE                                                        | COOLANT PUMP             |         | 1/8HP           |
|                                                             | MACHINE (LxWxH)          |         | 2150x1750x2090  |
|                                                             | NET WEIGHT (KGS)         |         | 2550            |
| * SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE. |                          |         |                 |

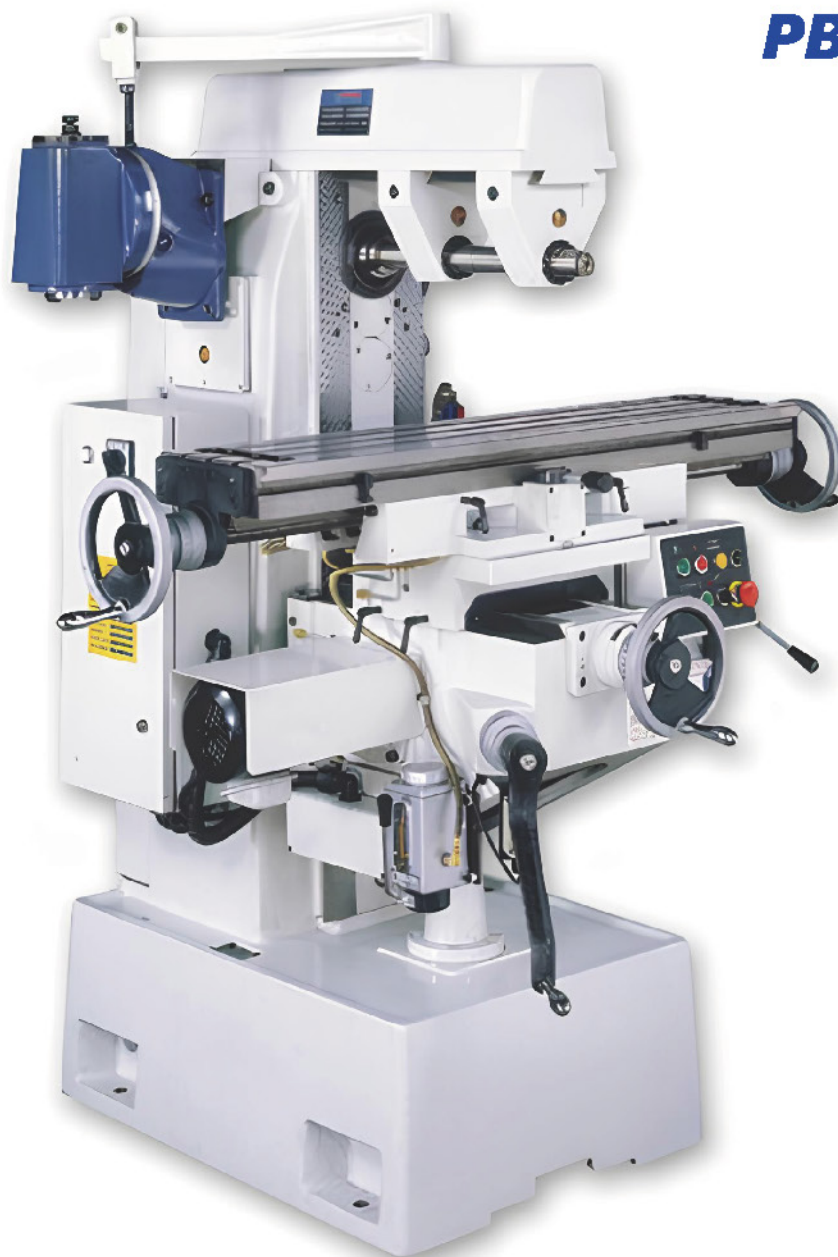
### STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X AXIS GEAR BOX FEED
- 4.Y AXIS INVERTER MOVEMENT WITH BALL SCREW
- 5.TABLE ELEVATING MOTOR
- 6.VERTICAL HEAD ATTACHMENT
- 7.SLIDE WAY AUTO LUBRICATION PUMP
- 8.HORIZONTAL ARBOR AND SUPPORT
- 9.TABLE SWIVEL 45° L&R

### OPTIONAL FUNCTIONS

- 1.TABLE SIZE 1470x370 (X AXIS TRAVEL +200)
- 2.TABLE HARDENED
- 3.DIGITAL READ OUT
- 4.WORKING LAMP
- 5.UNIVERSAL DIVIDING HEAD

## **PBM-HU250**



## **PBM-H250**

## SPECIFICATION :

UNIT: MM

| ITEMS                                                       |                          |       | PBM-H250        | PBM-HU250   |
|-------------------------------------------------------------|--------------------------|-------|-----------------|-------------|
| TABLE                                                       | TABLE SIZE               |       | 1100x250        |             |
|                                                             | T SLOT (WxNO.xPITCH)     |       | 16x3x60         |             |
|                                                             | SWIVEL (L&R)             |       | -               | 45°         |
|                                                             | MAX. TABLE LOAD (KGS)    |       | 300             |             |
| TRAVEL                                                      | XxYxZ                    |       | 700x250x440     | 700x260x390 |
| FEED                                                        | LONG./MIN                | 50 HZ | 18-320(6 STEPS) |             |
|                                                             |                          | 60 HZ | 22-384(6 STEPS) |             |
|                                                             | LONG. RAPID /MIN         | 50 HZ | 1040            |             |
|                                                             |                          | 60 HZ | 1250            |             |
|                                                             | VERTICAL/MIN             | 50 HZ | 290             |             |
|                                                             |                          | 60 HZ | 350             |             |
| VERTICAL SPINDLE                                            | SPINDLE NOSE             |       | -               | NT 40       |
|                                                             | STEPS                    |       | -               | 6           |
|                                                             | SPINDLE SPEED RPM        | 50 HZ | -               | 60-1100     |
|                                                             |                          | 60 HZ |                 | 70-1320     |
|                                                             | SWIVELLING ANGLE (R&L)   |       | -               | 45°         |
|                                                             | SPINDLE NOSE TO TABLE    |       | -               | 0-342       |
| HORIZONTAL SPINDLE                                          | CROSS TRAVEL OF RAM      |       | 300             |             |
|                                                             | SPINDLE NOSE             |       | NT 40           |             |
|                                                             | SPINDLE SPEED RPM        | 50 HZ | 60-1100         |             |
|                                                             |                          | 60 HZ | 70-1320         |             |
|                                                             | STEPS                    |       | 6               |             |
|                                                             | SPINDLE TO BOTTOM OF RAM |       | 115             |             |
| MOTOR                                                       | SPINDLE CENTER TO TABLE  |       | 0-390           |             |
|                                                             | HORIZONTAL SPINDLE       |       | 3 HP            |             |
|                                                             | TABLE FEED X AXES        |       | 3/4 HP          |             |
|                                                             | TABLE RAPID Z AXIS       |       | 1/2 HP          |             |
| SIZE                                                        | COOLANT PUMP             |       | 1/8HP           |             |
|                                                             | MACHINE (LxWxH)          |       | 1570x1230x1652  |             |
|                                                             | NET WEIGHT (KGS)         |       | 1000            |             |
| * SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE. |                          |       |                 |             |

### STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X AXIS GEAR BOX FEED
- 4.TABLE ELEVATING MOTOR
- 5.VERTICAL HEAD ATTACHMENT(HU250)

### OPTIONAL FUNCTIONS

- 1.Y AXIS POWER FEEDING
- 2.DIGITAL READ OUT
- 3.WORKING LAMP
- 4.SLIDE WAY AUTO LUBRICATION PUMP
- 5.UNIVERSAL DIVIDING HEAD
- 6.VERTICAL HEAD ATTACHMENT(H250)

## **PBM-GS250**



## **PBM-GEVS250**

## SPECIFICATION :

UNIT: MM

| ITEMS              |                          |       | PBM-GS250       | PBM-GEVS250 |  |
|--------------------|--------------------------|-------|-----------------|-------------|--|
| TABLE              | TABLE SIZE               |       | 1100x250        |             |  |
|                    | T SLOT (WxNO.xPITCH)     |       | 16x3x60         |             |  |
|                    | MAX. TABLE LOAD (KGS)    |       | 300             |             |  |
| TRAVEL             | XxYxZ                    |       | 700x250x440     |             |  |
| FEED               | LONG./MIN                | 50 HZ | 18-320(6 STEPS) |             |  |
|                    |                          | 60 HZ | 22-384(6 STEPS) |             |  |
|                    | LONG. RAPID /MIN         | 50 HZ | 1040            |             |  |
|                    |                          | 60 HZ | 1250            |             |  |
|                    | VERTICAL/MIN             | 50 HZ | 290             |             |  |
|                    |                          | 60 HZ | 350             |             |  |
| VERTICAL SPINDLE   | SPINDLE NOSE             |       | NT 40           |             |  |
|                    | STEPS                    |       | 10              | INVERTER    |  |
|                    | SPINDLE SPEED RPM        | 50 HZ | 60-3000         | 60-3600     |  |
|                    |                          | 60 HZ | 70-3600         |             |  |
|                    | SWIVELLING ANGLE (R&L)   |       | 45°             |             |  |
|                    | QUILL TRAVEL             |       | 127             |             |  |
|                    | QUILL FEEDS/REV          |       | 0.04/0.08/0.15  |             |  |
|                    | SPINDLE NOSE TO TABLE    |       | 30-470          |             |  |
|                    | SPINDLE CENTER TO COLUMN |       | 200-500         |             |  |
| HORIZONTAL SPINDLE | CROSS TRAVEL OF RAM      |       | 300             |             |  |
|                    | SPINDLE NOSE             |       | NT 40           |             |  |
|                    | SPINDLE SPEED RPM        | 50 HZ | 60-1100         |             |  |
|                    |                          | 60 HZ | 70-1320         |             |  |
|                    | STEPS                    |       | 6               |             |  |
|                    | SPINDLE TO BOTTOM OF RAM |       | 115             |             |  |
| MOTOR              | SPINDLE CENTER TO TABLE  |       | 0-420           |             |  |
|                    | VERTICAL SPINDLE         |       | 5 HP            | 5 HP        |  |
|                    | HORIZONTAL SPINDLE       |       | 3 HP            |             |  |
|                    | TABLE FEED X AXES        |       | 3/4 HP          |             |  |
|                    | TABLE RAPID Z AXIS       |       | 1/2 HP          |             |  |
| SIZE               | COOLANT PUMP             |       | 1/8HP           |             |  |
|                    | MACHINE (LxWxH)          |       | 1570x1230x1652  |             |  |
|                    | NET WEIGHT (KGS)         |       | 1300            | 1400        |  |

\* SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.

## STANDARD ACCESSORIES

- 1.TOOL AND TOOL BOX
- 2.COOLANT EQUIPMENT
- 3.X AXIS GEAR BOX FEED
- 4.TABLE ELEVATING MOTOR
- 5.HORIZONTAL ARBOR AND SUPPORT

## OPTIONAL FUNCTIONS

- 1.Y AXIS POWER FEEDING
- 2.AIR POWER DRAWBAR
- 3.DIGITAL READ OUT
- 4.VERTICAL HEAD ATTACHMENT
- 5.WORKING LAMP
- 6.SLIDE WAY AUTO LUBRICATION PUMP
- 7.TAPPING DEVICE
- 8.TABLE SPLASH GUARD



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