

# SPECIFICATION

UNIT: MM

| ITEMS                      |                          | PBM-S300A                | PBM-VS300A     | PBM-EVS300A       |  |
|----------------------------|--------------------------|--------------------------|----------------|-------------------|--|
| TABLE                      | TABLE SIZE               | 1270x300 (1470x300 OPT.) |                |                   |  |
|                            | T SLOT (WxNO.xPITCH)     | 16x3x80                  |                |                   |  |
| TRAVEL                     | XxYxZ-MANUAL             | 930x400x450              |                |                   |  |
|                            | XxYxZ-AUTO               | 920x380x450              |                |                   |  |
| FEED                       | LONG./MIN                | 18-320(6 STEPS)          | (50 HZ)        |                   |  |
|                            |                          | 22-384(6 STEPS)          | (60 HZ)        |                   |  |
|                            | LONG. RAPID TRAVERSE/MIN | 1040                     | (50 HZ)        |                   |  |
|                            |                          | 1250                     | (60 HZ)        |                   |  |
| CROSS/MIN                  | 50-2200 VARI.            | (50/60 HZ)               |                |                   |  |
| VERTICAL/MIN               | 360                      | (50 HZ)                  |                |                   |  |
|                            | 430                      | (60 HZ)                  |                |                   |  |
| VERTICAL SPINDLE           | SPINDLE NOSE             | N.S.T 40                 |                |                   |  |
|                            | STEPS                    | 16                       | VARIABLE       | INVERTER VARI.    |  |
|                            | SPINDLE SPEED RPM        | 62-3000 (50 HZ)          | 75-3165(50 HZ) | 60-3600(50/60 HZ) |  |
|                            |                          | 75-3600 (60 HZ)          | 90-3800(60 HZ) |                   |  |
|                            | SWIVELLING ANGLE         | 45° (R&L)                |                |                   |  |
|                            | QUILL TRAVEL             | 140                      |                |                   |  |
|                            | QUILL FEEDS/REV          | 0.035/0.07/0.14          |                |                   |  |
|                            | SPINDLE NOSE TO TABLE    | 20-470                   |                |                   |  |
|                            | SPINDLE CENTER TO COLUMN | 130-550                  |                |                   |  |
|                            | CROSS TRAVEL OF RAM      | 420                      |                |                   |  |
| HORIZONTAL ROTATION OF RAM | 360°                     |                          |                |                   |  |
| MOTOR                      | VERTICAL SPINDLE         | 5HP – 2P/4P              | 5HP – 4P       | 5HP – 4P INV.     |  |
|                            | TABLE FEED X AXES        | 3/4 HP – 4P              |                |                   |  |
|                            | TABLE FEED Y AXES        | 1/2 HP – 4P – 1/5        |                |                   |  |
|                            | TABLE RAPID Z AXIS       | 1/2 HP – 4P – 1/10       |                |                   |  |
|                            | COOLANT PUMP             | 1/8HP – 2P               |                |                   |  |
| SIZE                       | MACHINE (LxWxH)          | 1740x1540x2300           |                |                   |  |
|                            | NET WEIGHT (KGS)         | 1650                     | 1700           | 1750              |  |

\* 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

## OPTIONAL FUNCTIONS

1. X AXIS TRAVEL 1120MM
2. X AXIS BALL SCREW WITH INVERTER MOVE
3. AIR POWER DRAWBAR
4. DIGITAL READ OUT
5. WORKING LAMP
6. X AXIS FEED MOTOR 1HP – 2P/4P
7. TAPPING DEVICE
8. TABLE SPLASH GUARD

機械各項機能及規格：

單位: MM

| 項 目       |                  | PBM-S300A                          | PBM-VS300A                         | PBM-EVS300A        |
|-----------|------------------|------------------------------------|------------------------------------|--------------------|
| 工作台       | 尺寸 (長 x 寬)       | 1270x300 (1470x300 選配)             |                                    |                    |
|           | T 型槽 (寬 x 數 x 距) | 16x3x80                            |                                    |                    |
| 行程        | 左右 x 前後 x 上下-手動  | 930x400x450                        |                                    |                    |
|           | 左右 x 前後 x 上下-自動  | 920x380x450                        |                                    |                    |
| 進給速度      | 左右 / 每分          | 18-320(6 速)<br>22-384(6 速)         |                                    | (50 HZ)<br>(60 HZ) |
|           | 左右快移 / 每分        | 1040<br>1250                       |                                    | (50 HZ)<br>(60 HZ) |
|           | 前後 / 每分          | 50-2200 (50/60 HZ)                 |                                    |                    |
|           | 上下快移 / 每分        | 360<br>430                         |                                    | (50 HZ)<br>(60 HZ) |
| 立主軸       | 主軸錐度             | N.S.T 40                           |                                    |                    |
|           | 段速               | 16                                 | 無段變速                               | 無段變頻               |
|           | 轉速 RPM           | 62-3000 (50 HZ)<br>75-3600 (60 HZ) | 75-3165 (50 HZ)<br>90-3800 (60 HZ) | 60-3600 (50/60 HZ) |
|           | 傾斜角度(左右)         | 45° (R&L)                          |                                    |                    |
|           | 通心軸行程            | 140                                |                                    |                    |
|           | 通心軸進給速度(每圈)      | 0.035 / 0.07 / 0.14                |                                    |                    |
|           | 主軸端面至工作台面距離      | 20-470                             |                                    |                    |
|           | 主軸中心至機身面距離       | 130-550                            |                                    |                    |
|           | 伸出臂行程            | 420                                |                                    |                    |
| 伸出臂水平旋轉角度 | 360°             |                                    |                                    |                    |
| 電動機       | 立主軸用             | 5HP – 2P/4P                        | 5HP – 4P                           | 5HP – 4P INV.      |
|           | 工作台進給用(左右)       | 3/4 HP – 4P                        |                                    |                    |
|           | 工作台進給用(前後)       | 1/2 HP – 4P – 1/5                  |                                    |                    |
|           | 工作台快移用(上下)       | 1/2 HP – 4P – 1/10                 |                                    |                    |
|           | 切削液用             | 1/8HP – 2P                         |                                    |                    |
| 機械尺寸      | 尺寸 (長 x 寬 x 高)   | 1740x1540x2300                     |                                    |                    |
|           | 淨重 (約) (KGS)     | 1650                               | 1700                               | 1750               |

\* 本公司基於研究改進之必要，因此保有局部修改規格尺寸之權利。

標準附件

1. 工具及工具箱
2. 冷卻系統
3. X 軸齒輪箱進給
4. Y 軸滾珠螺桿變頻馬達驅動系統
5. 床台上下馬達
6. 立銑頭自動潤滑系統
7. 滑道面自動潤滑泵浦

特殊裝置

1. X 軸行程 1120MM
2. X 軸滾珠螺桿變頻馬達驅動系統
3. 氣動鎖刀裝置
4. 光學尺
5. 工作燈
6. X 軸進給馬達 1HP – 2P/4P
7. 簡易攻牙裝置
8. 工作台護罩