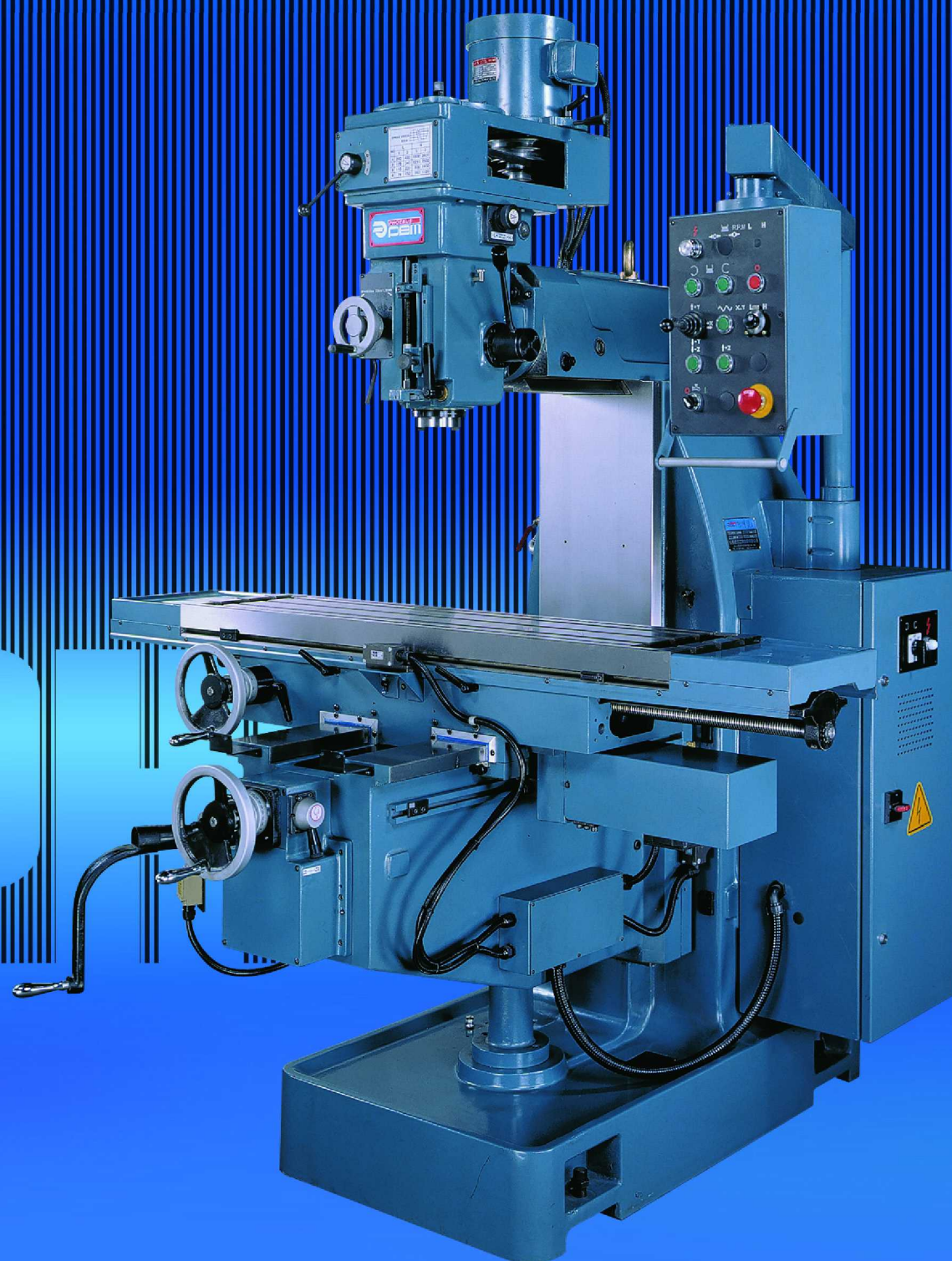


PHOEBUS **PEEM**®

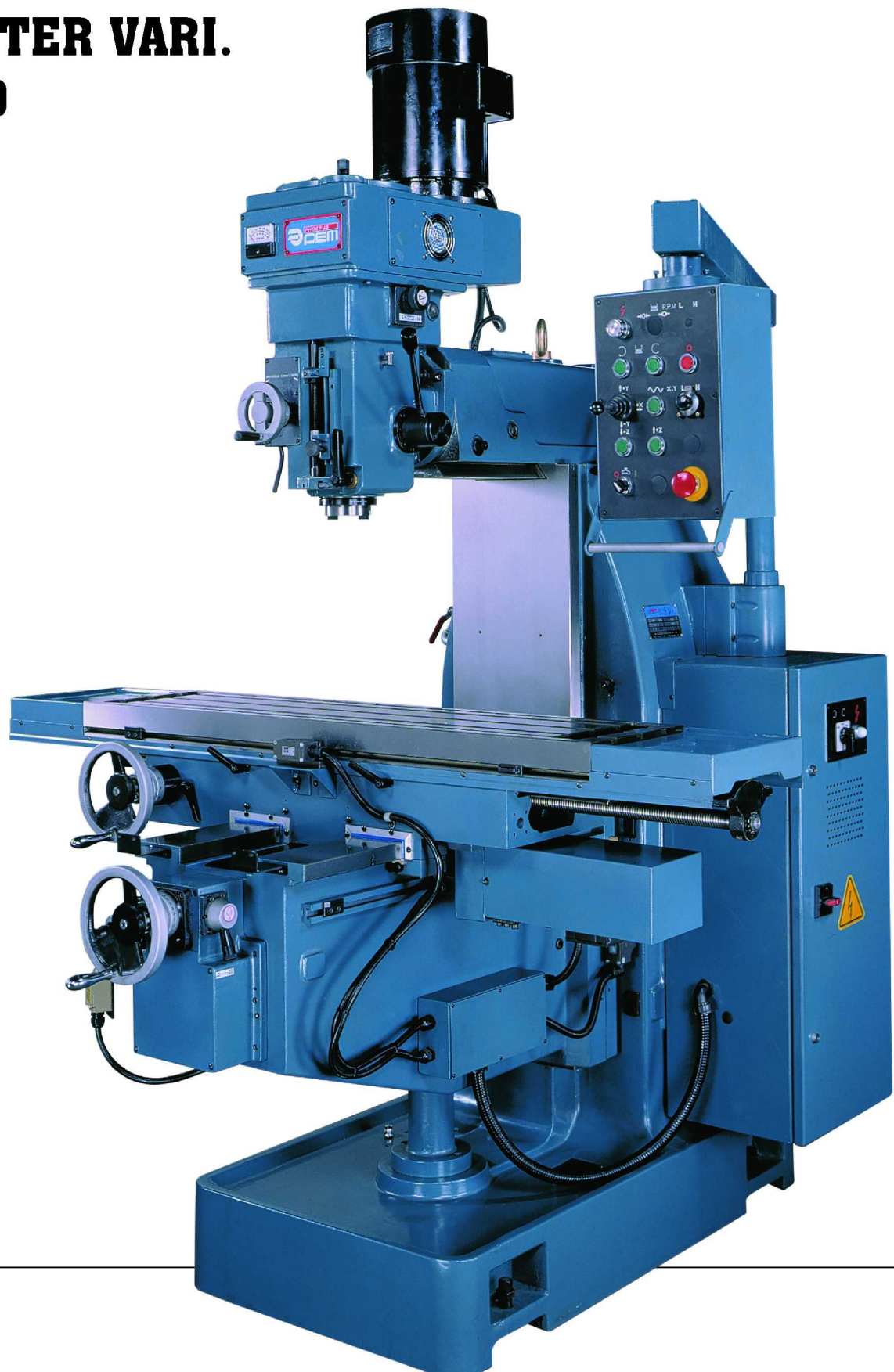


PBM-S500A SERIES

VERTICAL TURRET MILLING MACHINE

PBM-EVS500A

**INVERTER VARI.
SPEED**



PBM-S500A

STEP SPEED

SATANDARD ACC.:

1. X,Y AXES BALL SCREW
2. VERTICAL HEAD AUTO LUB. PUMP
3. X,Y AXES SERVO MOTOR

OPTIONAL FUNCTION:

1. MODEL : PBM-VS500A
WITH VERTICAL MECHANIC
VARI. SPPEDS HEAD
RANGE : 75-3165R.P.M.
MOTOR : 5HP-4P
2. Z AXIS SERVO MOTOR 30-1150mm/min
3. X AXIS TRAVEL 1120mm



SPECIFICATIONS

UNIT : MM 50HZ

ITEMS		PBM-EVS500A	PBM-S500A	ITEMS		PBM-EVS500A	PBM-S500A
TABLE	TABLE SIZE	1270 x 370 (1470 x 370 OPT.)		SPINDLE	QUILL FEEDS/REV	0.035/0.07/0.14	
	T SLOT (W x NO. x PITCH)	18 x 3 x 80			SPINDLE NOSE TO TABLE	0 - 500	
TRAVEL	X x Y x Z—MANUAL	930 x 520 x 360			SPINDLE CENTER TO COLUMN	185 - 685	
	X x Y x Z—AUTO	920 x 500 x 360			CROSS TRAVEL OF RAM	500	
FEED	LONG. & CROSS /MIN	30-3000		MOTOR	VERTICAL SPINDLE	5HP - 4P	5 HP - 2P/4P
	VERTICAL RAPID /MIN	960			X, Y AXES MOTOR	750W AC SERVO	
SPINDLE	SPINDLE NOSE	N.S.T 40			Z AXIS MOTOR	1 HP -12P(850W AC SERVO OPT.)	
	STEPS	INVERTER VARI.	16		COOLANT PUMP	1/8 HP - 2P	
	SPINDLE SPEED RPM	60 - 3600	62 - 3000	SIZE	MACHINE (L x W x H)	1870 x 1700 x 2500	
	SWIVELLING ANGLE	45° (R&L)			NET WEIGHT (KGS)	2250	
	QUILL TRAVEL	140			*SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.		

VERTICAL TURRET MILLING MACHINE

PBM-S300A

STEP SPEED



PBM-VS300A

VARIABLE SPEED

FEATURES

1. THE VERY WIDE SADDLE 910MM KEEPS TABLE MOVEMENT SMOOTHLY IN ALL DIRECTIONS, TO PREVENT ANY DEFORMATION AND ALLOWANCE OCCURRED.
2. GEAR BOX FEED TO MAINTAIN POWERFUL MACHINING, WILL INCREASE THE WORKING EFFICIENCY.
3. HARDENED AND GROUND SLIDE WAYS ASSURES THAT THE TABLE WILL STAY WHERE IT BELONGS.

STANDARD ACC:

1. COOLANT EQUIPMENT
2. LONG. GEAR BOX FEED
3. CROSS INVERTER
MOTOR FEED WITH BALL SCREW
4. VERTICAL HEAD AUTO LUB. PUMP
5. SLIDE WAY AUTO LUB.PUMP
6. TABLE ELEVATING MOTOR

OPTIONAL FUNCTIONS:

1. VERT. HEAD INVERTER WITH CONTROLLER
2. X AXIS FEED MOTOR 1HP - 2P/4P
3. X AXIS BALL SCREW WITH INVERTER MOVEMENT

SPECIFICATIONS

UNIT : MM 50HZ

ITEMS		PBM-S300A	PBM-VS300A	ITEMS		PBM-S300A	PBM-VS300A
TABLE	TABLE SIZE	1270 x 300 (1470 x 300 OPT.)		SPINDLE	QUILL FEEDS/REV	0.035/0.07/0.14	
	T SLOT (WxNO.xPITCH)	16 x 3 x 80			SPINDLE NOSE TO TABLE	20 - 470	
TRAVEL	X x Y x Z—MANUAL	930 x 400 x 450			SPINDLE CENTER TO COLUMN	130 - 550	
	X x Y x Z—AUTO	920 x 380 x 450			CROSS TRAVEL OF RAM	420	
FEED	LONG. /MIN	18-320 (6 STEPS)			HORIZONTAL ROTATION OF RAM	360°	
	LONG. RAPID TRAVERSE	1040 / MIN		MOTOR	VERTICAL SPINDLE	5 HP - 2P/4P	5HP - 4P
	CROSS/MIN	50 - 2200 VARI.			FEED LONG.	3/4 HP - 4P	
	VERTI. RAPID TRAVERSE	360 / MIN			FEED CROSS	1/2 HP - 4P - 1/5	
SPINDLE	SPINDLE NOSE	N.S.T 40			RAPID VERTICAL	1/2 HP - 4P - 1/10	
	STEPS	16	VARIABLE	COOLANT PUMP	1/8 HP - 2P		
	SPINDLE SPEED RPM	62 - 3000	75 - 3165	SIZE	MACHINE (LxWxH)	1740 x 1540 x 2300	
	SWIVELLING ANGLE	45° (R&L)			NET WEIGHT (KGS)	1650	1700
	QUILL TRAVEL	140		*SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.			

VERTICAL TURRET MILLING MACHINE

PBM-S300

STEP SPEED



PBM-VS300

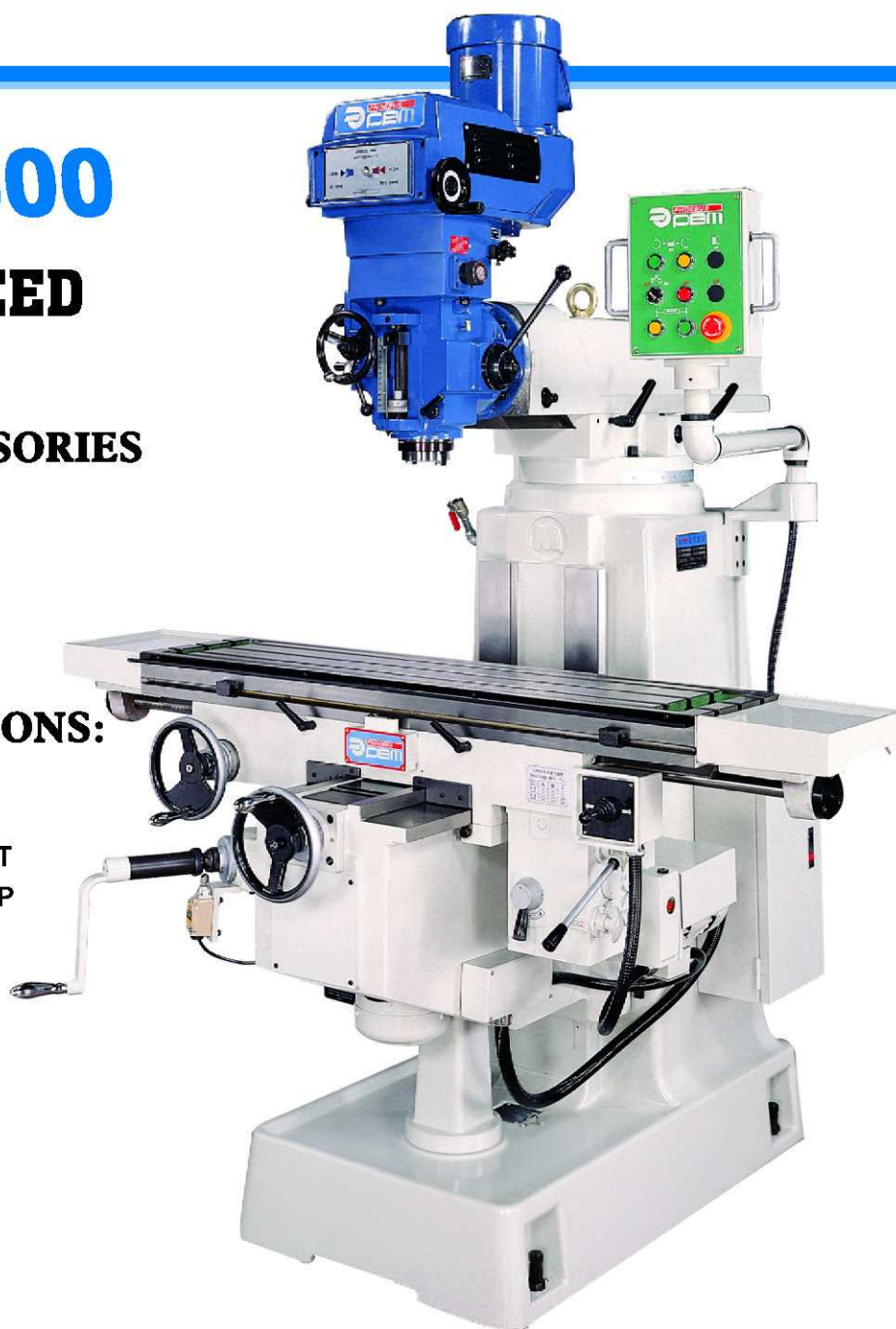
VARIABLE SPEED

STANDARD ACCESSORIES

1. COOLANT EQUIPMENT
2. LONG.GEAR BOX FEED
3. SLIDE WAY AUTO LUB. PUMP
4. TABLE ELEVATING MOTOR

OPTIONAL FUNCTIONS:

1. X,Y AXES BALL SCREW WITH INVERTER MOVEMENT
2. LONG. BALL SCREW MOVEMENT
3. X AXIS FEED MOTOR 1HP - 2P/4P



SPECIFICATIONS

UNIT : MM 50HZ

ITEMS		PBM-S300	PBM-VS300	ITEMS		PBM-S300	PBM-VS300
TABLE	TABLE SIZE	1270 x 300 (1470 x 300 OPT.)		SPINDLE	QUILL FEEDS/REV	0.04/0.08/0.15	
	T SLOT (W x NO. x PITCH)	16 x 3 x 80			SPINDLE NOSE TO TABLE	45 - 495	
TRAVEL	X x Y x Z – MANUAL	930 x 400 x 450			SPINDLE CENTER TO COLUMN	130 - 550	
	X x Y x Z – AUTO	920 x 380 x 450			CROSS TRAVEL OF RAM	420	
FEED	LONG. /MIN	18-320 (6 STEPS)			HORIZONTAL ROTATION OF RAM	360°	
	LONG. RAPID TRAVERSE/MIN	1040		MOTOR	VERTICAL SPINDLE	5HP - 4P	5HP - 4P
	VERTI. RAPID TRAVERSE/MIN	360			FEED LONG.	3/4 HP - 4P	
SPINDLE	SPINDLE NOSE	N.S.T 40			RAPID VERTICAL	1/2 HP - 4P - 1/10	
	STEPS	10	VARIABLE		COOLANT PUMP	1/8 HP - 2P	
	SPINDLE SPEED RPM	60 - 3000	66 - 3165	SIZE	MACHINE (L x W x H)	1740 x 1540 x 2330	
	SWIVELLING ANGLE	45° (R&L)			NET WEIGHT (KGS)	1650	1700
QUILL TRAVEL		127		*SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE			

VERTICAL TURRET MILLING MACHINE

PBM-5VK

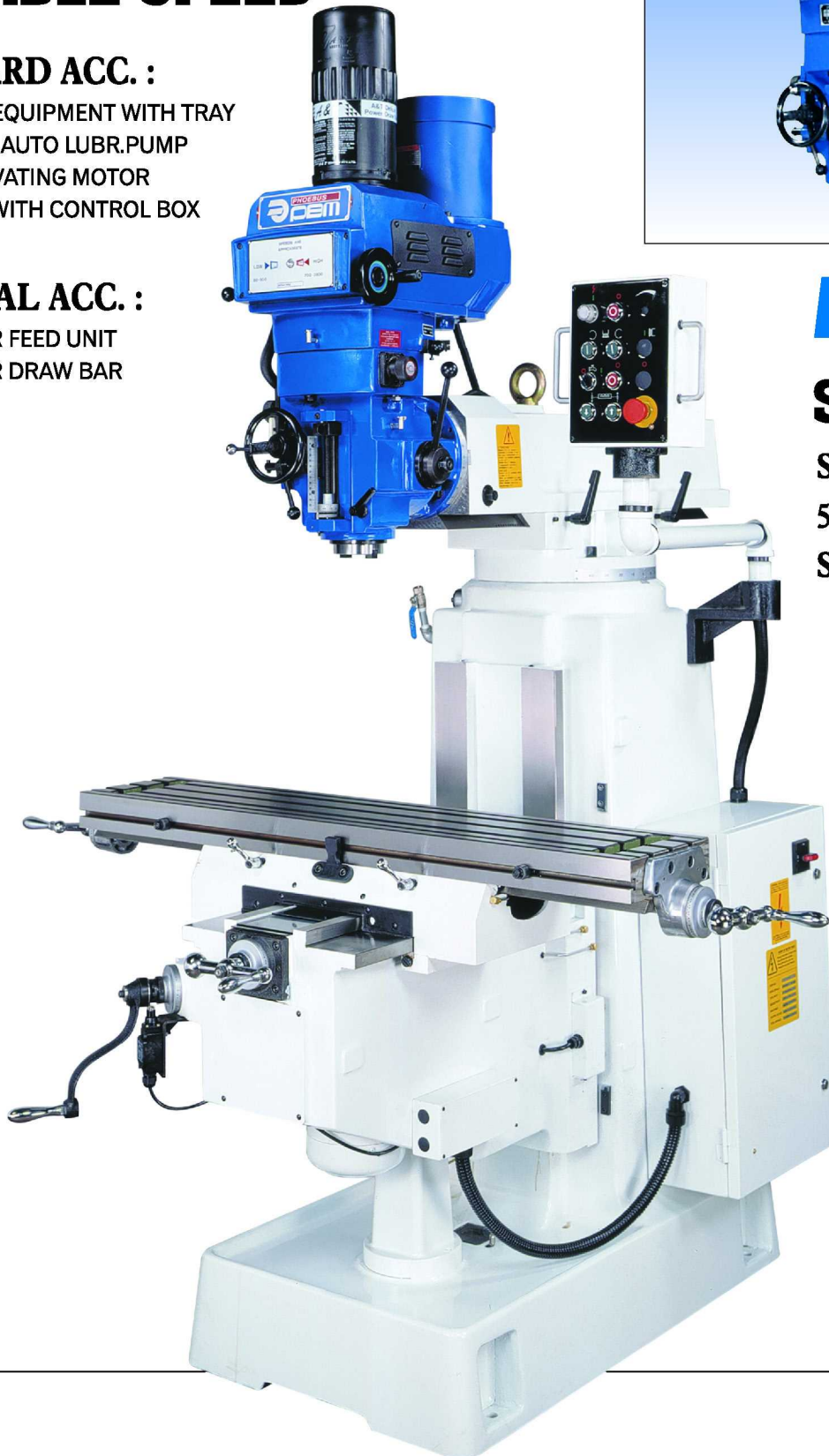
VARIABLE SPEED

STANDARD ACC. :

1. COOLANT EQUIPMENT WITH TRAY
2. SLIDE WAY AUTO LUBR.PUMP
3. TABLE ELEVATING MOTOR
4. ELECTRIC WITH CONTROL BOX

OPTIONAL ACC. :

1. X, Y POWER FEED UNIT
2. AIR POWER DRAW BAR



PBM-5K

STEP SPEED

SPINDLE :

**5HP MOTOR 10 STEPS
SPEEDS 60-3000 R.P.M.**

PBM-4EVS

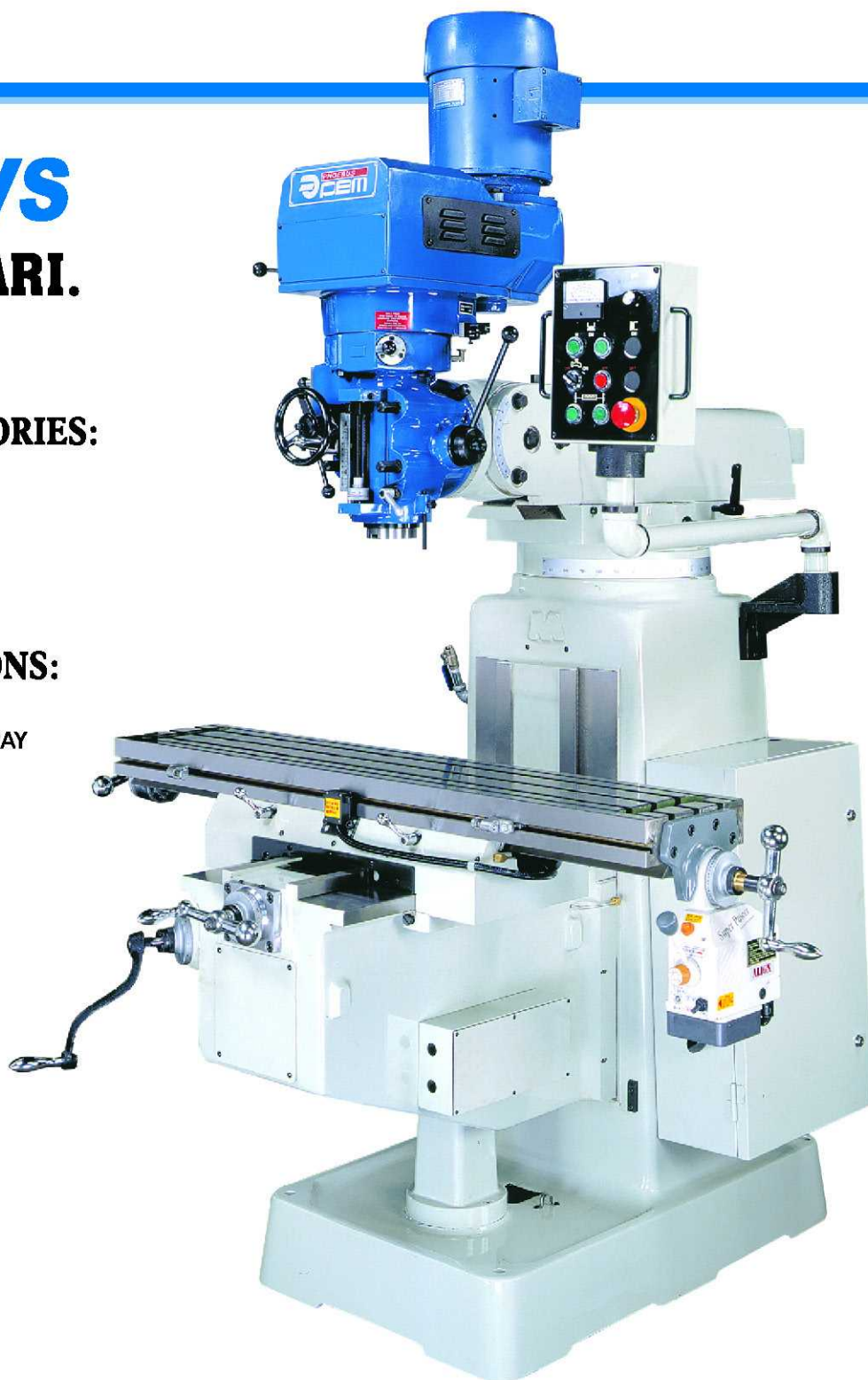
INVERTER VARI. SPEED

STANDARD ACCESSORIES:

1. TOOL & TOOL BOX
2. ONE SHOT LUBRICATION
3. CHIP COVER FRONT & REAR
4. ELECTRIC WITH CONTROL BOX

OPTIONAL FUNCTIONS:

1. X,Y POWER FEED UNIT
2. COOLANT EQUIPMENT WITH TRAY
3. TABLE ELEVATING MOTOR
4. SPINDLE TAPER N.S.T.40



SPECIFICATIONS

UNIT : MM 50HZ

ITEMS		PBM-5VK	PBM-4EVS	ITEMS		PBM-5VK	PBM-4EVS
TABLE	TABLE SIZE	1270 x 254 (1370 x 254 OPT.)		SPINDLE	QUILL FEEDS/REV	0.04/0.08/0.15	
	T SLOT (W x NO. x PITCH)	16 x 3 x 63			SPINDLE NOSE TO TABLE	55 - 505	40 - 446
TRAVEL	X x Y x Z – MANUAL	775 x 400 x 450	775 x 400 x 406		SPINDLE CENTER TO COLUMN	130 - 550	200 - 680
	X x Y x Z – AUTO	700 x 400 x 450	700 x 400 x 406		CROSS TRAVEL OF RAM	420	480
SPINDLE	SPINDLE NOSE	N.S.T 40	R8 OR N.S.T.30		HORIZONTAL ROTATION OF RAM	360°	
	STEPS	VARIABLE	INVERTER VARI.	MOTOR	VERTICAL SPINDLE	5 HP - 4P	3HP-4P INVERTER
	SPINDLE SPEED RPM	66-3165	60-3600		COOLANT PUMP	1/8 HP - 2P	1/8 HP - 2P (OPT.)
	SWIVELLING ANGLE	45° (R&L)	45°(R&L, F&B)	SIZE	MACHINE (L x W x H)	1480x1435x2330	1480x1500x2350
	QUILL TRAVEL	127			NET WEIGHT (KGS)	1500	1280
*SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.							

* SPECIFICATIONS MAY BE CHANGED OR IMPROVED WITHOUT NOTICE.

PBM-2S

STEP SPEED



PBM-2VS

VARI. SPEED



PBM-4S

STEP SPEED



PBM-4VS

VARI. SPEED



SPECIFICATIONS

UNIT : MM 50HZ

ITEMS		PBM-2S	PBM-2VS	PBM-4S	PBM-4VS
TABLE	TABLE SIZE	1067 x 230 (1245 x 230 OPT.)		1270 x 254 (1370 x 254 OPT.)	
	T SLOT (W x NO. x PITCH)	16 x 3 x 63			
TRAVEL	X x Y x Z – MANUAL	725 x 305 x 406		775 x 400 x 406	
	X x Y x Z – AUTO	640 x 305 x 406		700 x 400 x 406	
SPINDLE	SPINDLE NOSE	R8 OR N.S.T.30			
	STEPS	8	VARIABLE	8	VARIABLE
	SPINDLE SPEED RPM	66-2265	50-3500	66-2265	66-3165
	SWIVELLING ANGLE	45° (R&L)			
	QUILL TRAVEL	127			
	QUILL FEEDS/REV	0.04/0.08/0.15			
	SPINDLE NOSE TO TABLE	57 - 463		40 - 446	
	SPINDLE CENTER TO CLUMN	213 - 533		200 - 680	
	CROSS TRAVEL OF RAM	320		480	
	HORIZONTAL ROTATION OF RAM	360°			
MOTOR	VERTICAL SPINDLE	2HP-4P	3HP-4P	3HP-4P	3HP-4P
	COOLANT PUMP	1/8 HP - 2P			
SIZE	MACHINE (L x W x H)	1400 x 1450 x 2100		1500 x 1500 x 2200	
	NET WEIGHT (KGS)	900		1280	
* SPECIFICATIONS MAY CHANGED OR IMPROVED WITHOUT NOTICE.					

STANDARD ACCESSORIES

1. TOOL AND TOOL BOX
2. ONE SHOT LUBRICATION
3. CHIP COVER FRONT AND REAR
4. SADDLE SIZE : 650 LENGTH (4S & 4VS)

OPTIONAL ACCESSORIES

1. X,Y POWER FEED UNIT
2. COOLANT EQUIP WITH TRAY
3. ELECTRIC WITH CONTROL BOX
4. TABLE ELEVATING MOTOR(4S & 4VS)
5. SPINDLE TAPER N.S.T.40(4S & 4VS)