

Product Specifications

WELE - AA Series

AA-80

Specification/ Machine model	Unit	AA1480	AA1680	AA1880
X axis travel	mm (in)	1400 (55.1)	1600 (63)	1800 (70.9)
Y axis travel	mm (in)	800 (31.5)	800 (31.5)	800 (31.5)
Z axis travel	mm (in)	700 (27.6)	800 (31.5)	800 (31.5)
From spindle nose to the centerline of table	mm (in)	200~900 (7.9~35.4)	200~1000 (7.9~39.4)	200~1000 (7.9~39.4)
Table dimension (X direction)	mm (in)	1550 (61)	1750 (68.9)	1950 (76.8)
Table dimension (Y direction)	mm (in)	800 (31.5)	800 (31.5)	800 (31.5)
Table loading	kg (lb)	1800 (3968)	2000 (4409)	2200 (4850)
Spindle motor power	kW (HP)	11/15 (15/20)		
Spindle speed	rpm	belted type, 6000		
Spindle taper		BT#50 (ISO 50)		
Rapid feedrate - X axis	mm(in)/min	15000 (590.6)	15000 (590.6)	15000 (590.6)
Rapid feedrate - Y axis	mm(in)/min	15000 (590.6)		
Rapid feedrate - Z axis	mm(in)/min	12000 (472.4)		
Cutting federate	mm(in)/min	1-8000 (0.04-315)	1-8000 (0.04-315)	1-8000 (0.04-315)
Capacity of tool magazine	pcs	20T		
Max. diameter of tool / Adjacent pocket empty	mm (in)	110/200 (4.3/7.9)	110/200 (4.3/7.9)	110/200 (4.3/7.9)
Max. length of tool	mm (in)	300(11.8)	300(11.8)	300(11.8)
Max. weight of tool	kg (lb)	15(33)	15(33)	15(33)
Positioning accuracy (VDI/DGQ 3441)	mm (in)	$P \leq 0.015$ ($P \leq 0.0006$)	$P \leq 0.015$ ($P \leq 0.0006$)	$P \leq 0.015$ ($P \leq 0.0006$)
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	$P_s \leq 0.008$ ($P_s \leq 0.0003$)	$P_s \leq 0.008$ ($P_s \leq 0.0003$)	$P_s \leq 0.008$ ($P_s \leq 0.0003$)
Length of the machine	mm (in)	4050 (159.4)	4450 (175.2)	4850 (190.9)
Width of the machine	mm (in)	3100 (122)	3140 (123.6)	3140 (123.6)
Height of the machine	mm (in)	3343 (131.6)	3478 (136.9)	3478 (136.9)
Weight of the machine	kg (lb)	12000 (26455)	16000 (35274)	18000 (39683)