

Machine Name : Gantry machining center

Brand : AWEA

Machine Model : LG6040

Stock No. : 61808

Ex-factory Date : 2006



Main Technical Parameters:

three-axis travel: 6000x4000x1000mm

Main motor power: 22/26kw

CNC CNC System: FANUC Oi-MD

X axis travel: 6000mm

Y-axis travel: 3800mm

Maximum load of Worktable: 2500KG

Spindle speed: 4000rpm





AWA LG F18M Manual - Chapter 2 Instruction 5/11

Item	Unit	LG6040	LG8040	LG10040
X axis travel	mm (inch)	6000 (236.2)	8000 (315)	10000 (393.7)
Y axis travel	mm (inch)	4000 (157.5)	4000 (157.5)	4000 (157.5)
Z axis travel	mm (inch)	1000 (39.4)	1000 (39.4)	1000 (39.4)
Distance Spindle to table	mm (inch)	400-1400 (15.7-55.1)	400-1400 (15.7-55.1)	400-1400 (15.7-55.1)
Distance between col. pins	mm (inch)	4800 (189)	4800 (189)	4800 (189)
Table size in X direction	mm (inch)	6000 (236.2)	8000 (315)	10000 (393.7)
Table size in Y direction	mm (inch)	4000 (157.5)	4000 (157.5)	4000 (157.5)
Table load capacity	kg (lb)	2500 (5512)	2500 (5512)	2500 (5512)
Spindle motor (cont./current)	kW (hp)	22 / 28 (30 / 35 hp)	22 / 28 (30 / 35 hp)	22 / 28 (30 / 35 hp)
Spindle speed	rpm	1000 (39.4)	1000 (39.4)	1000 (39.4)
Spindle nose configuration		BT40 (ISO50)	BT40 (ISO50)	BT40 (ISO50)
Rapid traverse rate X axes	mm (in/min)	10000 (393.7)	10000 (393.7)	10000 (393.7)
Rapid traverse rate Y axes	mm (in/min)	10000 (393.7)	10000 (393.7)	10000 (393.7)
Rapid traverse rate Z axis	mm (in/min)	10000 (393.7)	10000 (393.7)	10000 (393.7)
Cutting feed rate (max.)	mm (in/min)	1-10000 (0.4-393.7)	1-10000 (0.4-393.7)	1-10000 (0.4-393.7)
Tool magazine capacity		32 (80 cap(08))	32 (80 cap(08))	32 (80 cap(08))
Max. tool diameter/adjacent pocket empty	mm (in)	127 / 5.1 (5.0 / 2.0)	127 / 5.1 (5.0 / 2.0)	127 / 5.1 (5.0 / 2.0)
Max. tool length	mm (in)	350 (13.8)	350 (13.8)	350 (13.8)
Max. tool weight	kg (lb)	20 (44)	20 (44)	20 (44)
Tool offset		BT40 (ISO50) DIN69871A	BT40 (ISO50) DIN69871A	BT40 (ISO50) DIN69871A
Tool change time (T to T)	sec	MA5403P50T-1 (ASD) / DIN69872	MA5403P50T-1 (ASD) / DIN69872	MA5403P50T-1 (ASD) / DIN69872
Position accuracy	mm (in)	±0.025 (full travel) / ±0.0001 (in)	±0.025 (full travel) / ±0.0001 (in)	±0.025 (full travel) / ±0.0001 (in)
Repeatability	mm (in)	±0.008 mm (±0.0003 in)	±0.008 mm (±0.0003 in)	±0.008 mm (±0.0003 in)
Total required power		80 kVA / AC220V 112%, 3 Phase, 60 Hz/50Hz	80 kVA / AC220V 112%, 3 Phase, 60 Hz/50Hz	80 kVA / AC220V 112%, 3 Phase, 60 Hz/50Hz
Air resource	kg (lb)	5	5	5
Hydraulic tank capacity	liter (gal)	120 with 10 HP (31.8)	120 with 10 HP (31.8)	120 with 10 HP (31.8)
Lubrication oil capacity	liter (gal)	6 (1.6)	6 (1.6)	6 (1.6)
Occupant tank capacity	liter (gal)	700 at 1.5 HP	700 at 1.5 HP	700 at 1.5 HP
Floor space requirement L	mm (in)	13750 (541.3)	13750 (541.3)	13750 (541.3)
Floor space requirement WxH	mm (in)	10170 X 4700	10170 X 4700	10170 X 4700
Machine weight	kg (lb)	1400 X 185	1400 X 185	1400 X 185
CNC controller				