

Machine Name : Crane type gantry machining center

Brand : AWEA

Machine Model : LG6040

Stock No. : 92551

Ex-factory Date : 2015



Main Technical Parameters:

CNC System: FANUC 18i-MB

Weight: 60000 (kg)

Main motor power: 26 (kw)

Interface language: Chinese

Spindle speed range: 4000 (rpm)

Positioning precision: 0.020

three-axis travel (X*Y*Z) : 6200*4000*1000mm

Power type: mechanical drive

Distance from nose of spindle to Worktable: 200 ~ 1,200mm

Distance between two columns (with water baffle) : 4,800 mm (4,500mm)

Worktable size (X direction) : 8,000 mm

Worktable size (Y direction) : 3,800 mm

Maximum load :2,500kg/m²

spindle motor :(continuous / 30 point) 22/26 kW (30/35 HP)

spindle through hole specification: BT50 (7/24)

X-axis fast feed rate: 20 m/min.

Y-axis fast feed rate: 15 m/min.

Z-axis fast feed rate: 10 m/min.

Cutting feed rate: 10 m/min

Reproduction precision (VDI3441) Y/Z axis $P_s = 0.025\text{mm}$

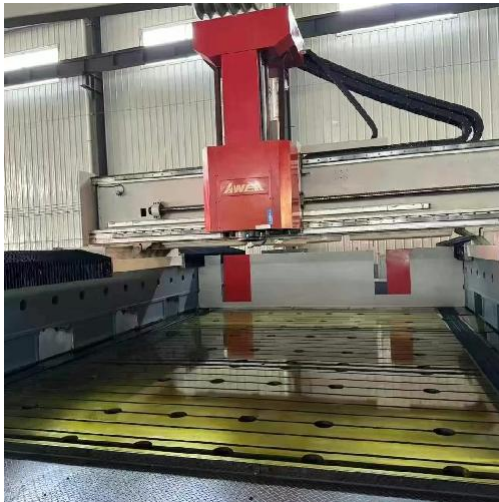
Power demand: $220 \pm 10\%$

air pressure requirement (minimum) : 5 ~ 8 kg/cm²

Oil pressure Water tank capacity: 120 liter

Lubricating oil Water tank capacity: 6 liter

Cutting fluid capacity: 1,300 L





AWA LG 6540 Manual - Chapter 2 Instruction C.1

Item	Unit	LG6540	LG6540	LG18040
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 (15.7)	400 (15.7)	400 (15.7)
Distance between col. pins	mm (inch)	6000 (236.2)	8000 (315)	10000 (393.7)
Table size in X direction	mm (inch)	3600 (141.7)	3600 (141.7)	3600 (141.7)
Table size in Y direction	mm (inch)	3600 (141.7)	3600 (141.7)	3600 (141.7)
Table load capacity	kg (lb)	2400 (529)	2400 (529)	2400 (529)
Spindle motor (cont.)	kW (hp)	22 (30)	22 (30)	22 (30)
Spindle speed	rpm	10000 (393.7)	10000 (393.7)	10000 (393.7)
Spindle nose configuration		BT450 (ISO50)	BT450 (ISO50)	BT450 (ISO50)
Rapid traverse rate X axis	mm/min	10000 (393.7)	10000 (393.7)	10000 (393.7)
Rapid traverse rate Y axis	mm/min	10000 (393.7)	10000 (393.7)	10000 (393.7)
Rapid traverse rate Z axis	mm/min	10000 (393.7)	10000 (393.7)	10000 (393.7)
Cutting feed rate (max.)	mm/min	10000 (393.7)	10000 (393.7)	10000 (393.7)
Tool magazine capacity		32 (60 opt.)	32 (60 opt.)	32 (60 opt.)
Max. tool diameter/ adjacent pocket empty	mm (in)	127 (5.0)	127 (5.0)	127 (5.0)
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 sensor		BT450 (ISO50)	BT450 (ISO50)	BT450 (ISO50)
Full-stroke		MAR402P40T-1 (45Deg.) / DIN66/82	MAR402P40T-1 (45Deg.) / DIN66/82	MAR402P40T-1 (45Deg.) / DIN66/82
Tool change time (T to T)	sec	5	5	5
Position accuracy	mm (in)	±0.025 (full travel) / ±0.001 (in)	±0.025 (full travel) / ±0.001 (in)	±0.025 (full travel) / ±0.001 (in)
Repeatability	mm (in)	±0.025 (full travel) / ±0.001 (in)	±0.025 (full travel) / ±0.001 (in)	±0.025 (full travel) / ±0.001 (in)
Total required power	kW (hp)	80 kVA / AC220V 210% 3 Phase 60 Hz/50Hz	80 kVA / AC220V 210% 3 Phase 60 Hz/50Hz	80 kVA / AC220V 210% 3 Phase 60 Hz/50Hz
Hydraulic tank capacity	liters (gal)	120 with 10 HP (31.8)	120 with 10 HP (31.8)	120 with 10 HP (31.8)
Lubrication oil capacity	liters (gal)	100 at 1.5 HP	100 at 1.5 HP	100 at 1.5 HP
Coastant tank capacity	liters (gal)	6 (1.6)	6 (1.6)	6 (1.6)
Floor space requirement L	mm (in)	13750 (541.3)	13750 (541.3)	13750 (541.3)
Floor space requirement W	mm (in)	10170 X 4700	10170 X 4700	10170 X 4700
Machine weight	kg (lb)	4004 X 185	4004 X 185	4004 X 185
CNC controller				



