

TECHNICAL SPEC FOR Vertical furnace

System Model:	TEL Alpha 8 series	
Specific model:	WAVES (ALPHA 8 SE-D)	Vintage 2006.11
Process (Poly, TEOS, Nitride, Pyro, etc.):	Vertical Furnace Oxidation / diffusion	
APCVD or LPCVD:	APCVD	
HDD and SW included or not:	HDD included, Software included	
Main controller type:	WAVES 3.11	
SiC/quartz included or not:	Separated	
Substrate size: are 8")	Set up for 6 inch, 8 inch compatible (heater, liner, tube are 8")	
SMIF:	No	
Gas config:	N2, O2, H2, DCE	
Leak detection:	Yes	
Wafer notch aligner:	6" Jeida flat aligner	
Handler type:	TBAWL	
Indexer:	Wafercounter included	
Carrier type, FOUP:	6" carriers, no FOUP	
Buffer Capacity:	2X6 prod carriers, and 9 carriers for mon, extraDummies, dummies	
Boat type:	170 slots, 150 prod wafers	
Boat rotation:	Yes	
Heater type:	5Zone	

Carrier ID reader:	No
MFC:	3X N2, 2X O2, 1X H2, 1X N2O
Pressure transducer:	No
CKD-VEC Vacuum pressure controller:	No
CDA:	Yes
Temperature controller:	560A
Exhaust controller:	Yes
Power Box:	Integrated
Missing parts:	No
Defected parts:	No
Operating system:	Waves
Electrical in/outlets	3X400A, 36 kVA
Serial plate	M675079

C5

PO

SVB

TYPE ALPHA-8SE-D
SERIAL NO. M000000675079
PHASE 3 TYPE OF DISTRIBUTION 3 WIRE
POWER 400 Vac 50/60Hz 35.6 kVA
FULL-LOAD CURRENT 62.9 A
AMPERE RATING OF THE LARGEST LOAD 62.9 A
MACHINE MAIN BREAKER AMPERE 80 A
SHORT-CIRCUIT INTERRUPTING CAPACITY 36 kA
OVERCURRENT PROTECTION PROVIDED AT MACHINE
SUPPLY TERMINALS
ELECTRICAL DIAGRAM NO. 2192-161882
DATE OF MANUFACTURE 2006.11
MANUFACTURED BY TOKYO ELECTRON TOHOKU LIMITED.
52 MATSUNAGANE, IWAYADO,
ESASHI-KU, OSHU CITY, IWATE 023-1101, JAPAN
TOKYO ELECTRON LIMITED
MADE IN JAPAN