

TOSHIBA - Frequency Inverter VF-S11 PLE-WP with IP55 protection

Operator panel with display

**Freely programmable
potentiometer, e.g. for
frequency setting**

**Freely programmable
selector switch, e.g. for
rotating direction setting**

Space for further switches

**Main switch with
overload protection**



The complete stand-alone solution

- Completely enclosed system
- All controls integrated: minimal wiring required
- Integrated main switch with overload protection
- Internal EMC filter class A in accordance with EN55011
- Complete function set, as with the standard IP20 inverter
- Self-cooling system

TOSHIBA VF-S11 IP55



Technical Specifications

Voltage Class		1-phase 200V class / 3-phase 400V class				
Rated Motor Capacity (kW)		0.55	0.75	1.5	2.2	4.0
Voltage Class, Type		VF S11 S - / VF S11 -				
1-phase 200V class	VF S11 S -	2004 PLE	2007 PLE	2015 PLE	2022 PLE	-
3-phase 400V class	VF S11 -	-	4007 PLE	4015 PLE	4022 PLE	4037 PLE
Power Input (kVA)		1.4	1.8	3.2	4.2	7.2
Rated Output Current (A)	1-ph 200V	3.3	4.8	8.0	11	-
	3-ph 400V	-	2.3	4.1	5.5	9.5
Output voltage		200V class: threephase 200...240V, 400V class: threephase 380...500V				
Overload capability		60 sec. at 150%, 0.5 sec. at 200%				
Input Voltage		200V class: 1-phase 200...240 V - 50/60 Hz				
		400V class: 3-phase 380...500 V - 50/60 Hz				
Tolerances		voltage -15%...+10%, frequency $\pm 5\%$				
Protection		IP54: completely enclosed box (JEM 1030) IP55: with PG screw type cable grounds				
Cooling		active self-cooling (with integrated cooling fan), 200V class inverters with 0.55kW and 0.75kW: passive self-cooling (no fan)				
Color		Munsell 5Y-8 / 0.5 (beige/gray)				
Integrated EMC Filter		class A in accordance with EN55011 in all inverter types				
Operational and Environmental Conditions		indoor type, max. altitude 1000 m, not in corrosive or explosive atmospheres				
Temperature		-10 to +40°C				
Storage Temperature		-25 to +75°C				
Relative Humidity		20% to 93%				
Vibration		5.9 m/s ² or less (at 10 to 55 s ⁻¹)				

Inverter Type	Dimensions (mm)		
	Width W	Height H	Depth D
VF S11S - 2004 PLE	210	240	177
VF S11S - 2007 PLE	210	240	177
VF S11S - 2015 PLE	215	297	206
VF S11S - 2022 PLE	230	340	222
VF S11 - 4007 PLE	215	297	206
VF S11 - 4015 PLE	215	297	206
VF S11 - 4022 PLE	230	340	222
VF S11 - 4037 PLE	230	340	222

