

High Quality Easy Maintenance
Compact Design

High
FUJI
DELUXE

BRUSHLESS DIESEL GENERATORS

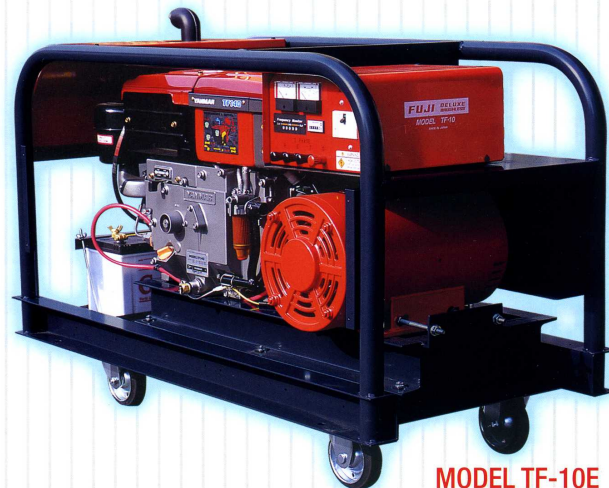
Powered by **YANMAR**

Model : F-5
TF-5/7.5



MODEL F-5E

Model : F-8.5/10
TF-10/12.5/15/18



MODEL TF-10E



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High FUJI DELUXE Brushless Diesel Generators

Alternator Concept

Brushless revolving field type. Carbon brushes and slip-rings are not used. Silicon rectifier built-in revolving field is in use.

○Maintenance-free

Because of brushless, no regular maintenance is required. More than 95% of maintenance from alternator is said to come from carbon brushes and slip-rings in case of traditional slip-ring alternators.

○No wave interference

Because of brushless, no measurable wave interference is developed.

Engine Concept

Horizontal single cylinder, 4 cycle, full diesel engine, water cooled with radiator, totally enclosed with automatic lubrication, and dust proof. Fuel oil economy, easy handling, of the largest production in these range in the world from reputable Japanese diesel engine manufacturers.

Safety Devices

When the engine oil exceeds 120°C, power generation is stopped. ※Only AVR model

SPECIFICATIONS

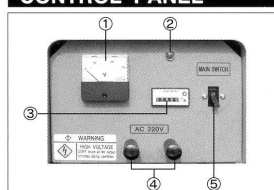
MODEL		F-5	F-8.5	F-10	F-12	F-14	TF-5	TF-7.5	TF-10	TF-12.5	TF-15	TF-18	
GENERATOR	Capacity	KVA	5.0	8.5	10.0	12.0	14.0	5.0	7.5	10.0	12.5	15.0	18.0
		KW	5.0	8.5	10.0	12.0	14.0	4.0	6.0	8.0	10.0	12.0	14.4
	Frequency(Hz)/Revolutions(min ⁻¹)		50/3000 or 60/3600										
	No. of phase		Single phase					Three phase(4wire type)					
	Power factor		1.0					0.8					
	Excitation system		Brushless, self-excitation system										
	Drive system		V-belt drive										
	Voltages		AC 200, 230, 240 (110/220, 120/240)V required					AC 200V~480V required					
	Voltage regulation		Condenser					AVR (Automatic Voltage Regulation)					
	Type		Semi-enclosed, drip-proof, self ventilated										
Insulation class		Stator. E Rotor. F											
Safety Devices		Not Available					Power generation stops when the temperature oil exceeds 120°C						
ENGINE	Model:YANMAR	TF-90	TF-140	TF-160	TS-190R	TS-230R	TF-70	TF-110	TF-140	TF-160	TS-190R	TS-230R	
	Type	Horizontal, water-cooled 4-cycle, diesel engine											
	Bore × Stroke (mm)	85×87	96×105	102×105	110×106	112×115	78×80	88×96	96×105	102×105	110×106	112×115	
	Displacement (cc)	493	760	857	1007	1132	382	583	760	857	1007	1132	
	Continuous rating Output (kW)	6.3	9.3	10.4	11.9	14.14	4.5	7.5	9.3	10.4	11.9	14.14	
	Revolutions min ⁻¹	8.5	12.5	14.0	16.0	19.0	6.0	10.0	12.5	14.0	16.0	19.0	
	Revolutions min ⁻¹	2400			2200			2400			2200		
	Compression ratio	18.0	17.8	17.8	16.3	16.3	18.1	17.9	17.8	17.8	16.3	16.3	
	Starting system	Hand (Electric)											
	Cooling system	Radiator											
Lubricating system	Forced lubrication with trochoid pump												
Combustion system	Direct injection												
Fuel consumption (l/h)	2.3	3.1	3.5	4.2	5.0	1.8	2.6	3.1	3.5	4.2	5.0		
Fuel tank capacity (l)	10.5	14.3	14.3	13.7	21.5	7.1	11.0	14.3	14.3	13.7	21.5		
UNIT	Dimension length (mm)	1090	1350	1350	1450	1500	1120	1210	1350	1350	1450	1500	
	Dimension width (mm)	490	640	640	660	660	550	560	640	640	660	650	
	Dimension height (mm)	610	720	720	760	840	610	680	720	720	760	840	
	Net weight (Dry) (kg)	195	330	335	430	470	200	250	340	345	440	470	

STANDARD ACCESSORIES

Name of Accessories	F-5~14	TF-5~18
Engine		
Starting handle	1	1
Tools for maintenance	1	1
Voltmeter	1	1
Output terminal	1 set	1 set
Main switch	1	1
Control panel		
Pilot lamp	1	Optional
Ammeter	Optional	1
Frequency monitor	Optional	1
Hourmeter	1	1
Single phase receptacle	Optional	Optional
Unit		
Operation manual	1	1
Caster	Optional	Optional

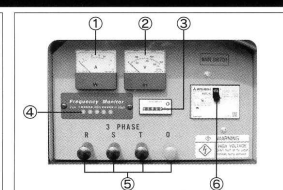
Note : All data subject to alteration without notice.

CONTROL PANEL



Single phase

- ① Voltmeter
- ② Pilot lamp
- ③ Hourmeter
- ④ Output terminals
- ⑤ Main switch (No fuse breaker)



Three phase

- ① Ammeter
- ② Voltmeter
- ③ Hourmeter
- ④ Frequency monitor
- ⑤ Output terminals
- ⑥ Main switch (No fuse breaker)