



YANMAR

Horizontal Diesel Engines



TF90N-di
9HP

TF120N-di
12HP

THE ALL NEW AND MORE POWERFUL!

S P E C I F I C A T I O N S

Model		Unit	TF120N	TF90N	TF70
Type			Horizontal , 4-cycle water-cooled diesel		
Combustion chamber			Direct injection		
Number of cylinders			1		
Bore x stroke		mm	92X 96	85 X 87	78 X 80
Displacement		L	0,638	0,493	0.382 litres
Rated power		kW{PS}/min ⁻¹	7.7{10.5}/2400	6.0{8.0}/2200 [5.5{7.4}/2200]}	6.0 / 2400 (4.5)
Maximum power		kW{PS}/min ⁻¹	8.8{12.0}/2400	6.7{9.0}/2200 [6.3{8.4}/2200]}	2.48 / 1800
Compression ratio			17.7/16.3	17.9/16.5	18.1
Fuel injection timing	FID	deg	17,0	18,0	17,0
Fuel injection pressure		MPa{kgf/cm ² }	19.6{200}		
Engine weight	Dry	kg	108	90	68
	Equipped		123	104	69
PTO location/direction of rotation			Flywheel / counterclockwise		
cooling system			Liquid-cooled with radiator		
Lubrication system			Forced lubrication with trochoid pump		
Starting system			Manual starting system		
Engine dimension	length	mm	784	703,5	607.5
	height	mm	530	505	469
	width	mm	377	376	312
Lubrication oil capacity		L	2,8	2,2	1.8
Fuel tank capacity		L	11.6/11.9		7.1
Cooling water capacity		L	2,3	1,65	1.25
Balancer			With 2-shaft balancer		
Lamp			with Lamp		without Lamp

Note: Specifications are subject to change without prior notice

EASY MAINTENANCE EASY OPERATION



**One air discharge lever,
Transparent oil separator**

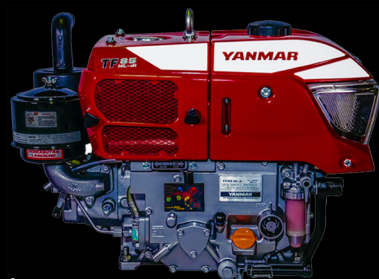


Hydraulic Indicator



Air filter oil bath type

CHOOSE YANMAR DIESEL ENGINES!



TF90N-di : 505 mm
TF120N-di : 530 mm

TF90N-di : 703,5 mm
TF120N-di : 784 mm

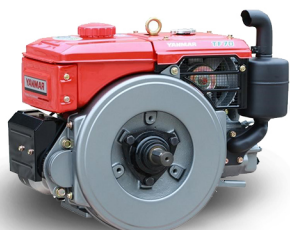


TF90N-di : 376 mm
TF120N-di : 377 mm

**TF90N-di
Diesel 493cc
Max 9,0 HP**

**TF120N-di
Diesel 493cc
Max 12,0HP**

- ✓ **1. FASTER**
- ✓ **2. MORE TORQUE**
- ✓ **3. FUEL EFFICIENT**
- ✓ **4. BRIGHTER LAMP**
- ✓ **5. LESS ENGINE NOISE**
- ✓ **6. LOWER ENGINE VIBRATION**
- ✓ **7. BIGGER WORKING CAPACITY**



**ALSO
AVAILABLE!
TF70 with 7HP**

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