

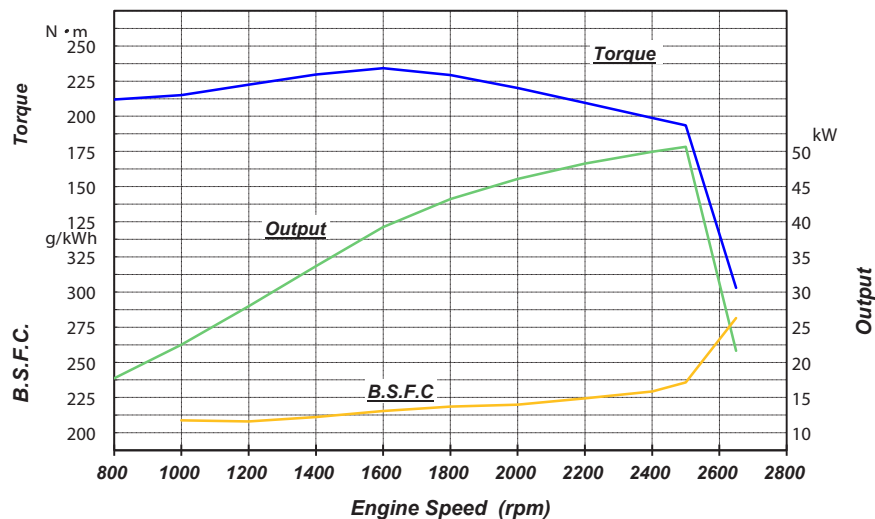


GROSS POWER Potencia Bruta	69.9 hp 52.1 kW
RATED SPEED Velocidad de Regimen	2500 RPM

### 4TNV98-ZNSAD

<b>SPECIFICATION</b> Especificacion	ZNSA
<b>CYLINDERS</b> Cilindros	4
<b>BORE X STROKE</b> Diámetro x Carrera	3.9 X 4.3 (in) 98 X 110 (mm)
<b>DISPLACEMENT</b> Cilindrada	202.5 (ci) 3319 (cc)

<b>Dimensions &amp; Performance Data &amp; Quick Specs</b>	Length / Longitud	31.14 in (791 mm)
	Width / Ancho	20.83 in (529 mm)
	Height / Altura	29.76 in (756 mm)
	Dry Weight / Peso en seco	529 lbs / 240 kg



<b>COMBUSTION TYPE</b> Tipo de Combustion	Direct Injection Inyeccion Directa
<b>ASPIRATION</b> Aspiracion	Naturally Aspirated Aspiracion Natural
<b>GOVERNOR TYPE</b> Tipo de Gobernador	Electric Electrico



#### Reliable & Durable

The TNV engines now proudly take up the running as Yanmar's premium small industrial diesel. They offer even more enhanced durability due to better block cooling, a stiffer crank and pistons, finer tolerance in the journal and more. CAE analysis has brought lower vibrations and higher strength to the mounting structure for even better reliability in heavy-duty jobs.



#### Clean Emissions

Building off the proven TNE design, Yanmar has achieved superior exhaust emissions by improving the combustion chamber and fuel injection equipment design. Engines are compliant with Interim Tier 4 and EU stage III A exhaust emissions regulations.



#### Fuel Delivery and Economy

A newly designed, Distributor-Type MP4 Fuel Injection Pump is utilized to assure more precise fuel delivery and control. The result is reduced emissions, improved performance over a wide range of applications and increased fuel economy which assures that Yanmar's reputation for superior starting characteristics continues.

<b>Lubrication System</b>	11.2L Capacity Deep Oil Pan
<b>Electrical System</b>	12V, 55 Amp Alternator
<b>Fuel System</b>	Distributor-Type MP4 Fuel Injection Pump
<b>Cooling System</b>	Water Pump, Belt Driven
<b>Power Take Off</b>	FWH-SAE #4 t=158 FW-SAE 10" CMP