

# N67 MNT F42 POWER UNIT

## TECHNICAL DATASHEET

Production Tolerance :  $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
197 kW (268 HP) / 2940 rpm	863 N.m (88 kg.m) / 2100 rpm	230 g/kW.h (169 g/HP.h) / 2940 rpm

Note : All datas are according to DIN6270B

### MECHANICAL SYSTEM

<b>Manufacturer</b>	Iveco / Italy
<b>Engine Model</b>	N67 MNT F42
<b>Type</b>	4 cycle , Diesel , Turbocharged Aftercooled
<b>Combustion Type</b>	Direct Injection
<b>Cylinder Number</b>	Inline 6 cyl
<b>Bore x Stroke</b>	104 x 132 mm
<b>Displacement</b>	6,7 lt
<b>Compression Ratio</b>	17,5
<b>Flywheel &amp; Hsg</b>	SAE 3/11,5 "
<b>Dry Weight</b>	530 kg
<b>Dimensions LxWxH</b>	807x643x920 mm

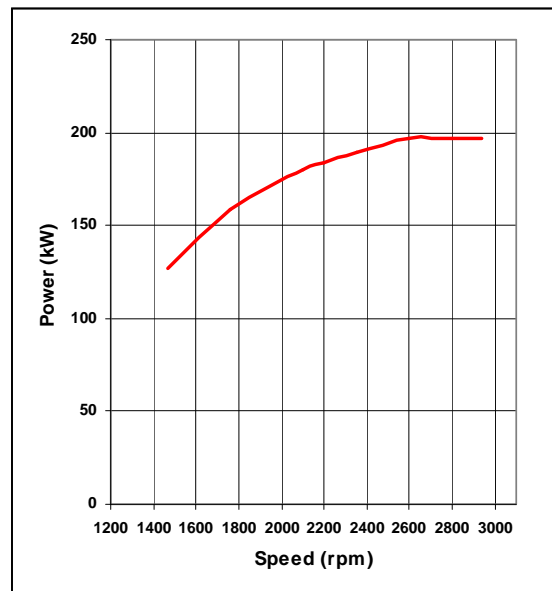
### COOLING SYSTEM

<b>Cooling Type</b>	Water Cooled
<b>Cooling Method</b>	Forced Circulation
<b>Water Capacity</b>	8,5 lt without radiator
<b>Water Pump</b>	Centrifugal type driven by belt

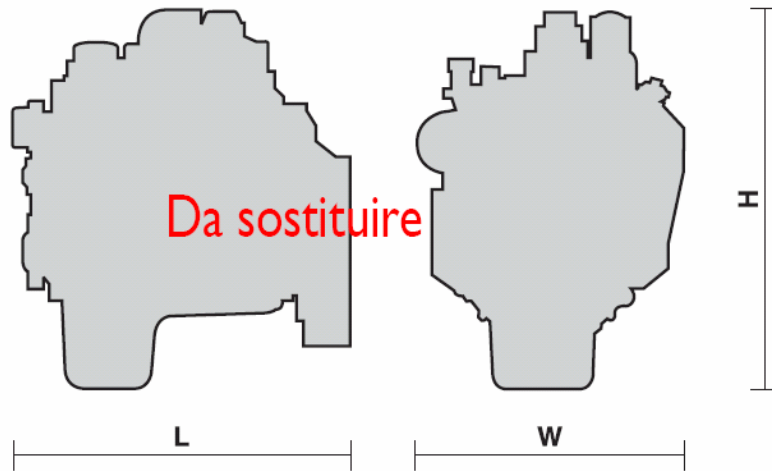
### FUEL SYSTEM

<b>Injection Pump</b>	Stanadyne Rotary type
<b>Governor Type</b>	Mechanical
<b>Injection Nozzle</b>	Multi-hole type
<b>Fuel Selenoid</b>	Energized to
<b>Fuel Filter</b>	Full flow, cartridge type
<b>Fuel Delivery</b>	by priming pump
<b>Fuel</b>	Diesel Fuel (EN590)

### PERFORMANCE CURVE



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### LUBRICATION SYSTEM

<b>Lubrication Method</b>	Pressure feed type
<b>Oil Pump</b>	Gear Driven
<b>Oil Filter</b>	Full Flow cartridge
<b>Oil Capacity</b>	12,8 lt
<b>Recomended Oil</b>	CE 15W/40 grade

### ELECTRICAL SYSTEM

<b>Charging Alternator</b>	24 V , 90 Amp
<b>Starting Motor</b>	24 V, 4 kW
<b>Battery Voltage</b>	24 V
<b>Capacity</b>	
<b>(Recomended)</b>	2 x 102 Ah

### OPTIONS

(EWI)	Engine Wiring
(CPA)	Basic Start Panel
(CHE)	Coolant Heater
(ESI1)	Industrial type Silencer
(ESI2)	Residential type Silencer
(BAT)	Battery , cables & rack
(BFR1)	Baseframe Std.c/w fuel tank
(BFR2)	Extended Baseframe c/w fuel tank
(NFP)	Conformity kit to NFPA-20 standards
(CPL)	Coupling with its guard
(TBX)	Tool Kit

### UNIT CONVERSION

HP = kW x 1,3596
Torque (N.m) = 9549,3 x P(kW) / N(1/min)
Torque (kg.m) = 716,2 x P(HP) / N(1/min)
1 Bar = 1,019726 kg/cm <sup>2</sup> = 100 kPA
1 kW = 0,2388 kcal/s

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