N45 MNT 82KW

82 KW(111 HP) @ 2200 RPM 480 NM(49 KGM) @ 1400 RPM TIER 2

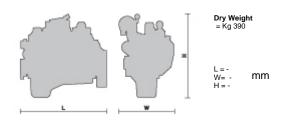
NEF SERIES

SPECIFICATIONS	
Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	4L
Bore x Stroke (mm)	104 X 132
Total Displacement (I)	4.5
Valves per cylinder (n°)	2
Cooling System	liquid
Direction of Rotation (viewed facing	CCW
flywheel)	
Compression ratio	17.5:1
Injection System	M

PERFORMANCE	
Rated power [*] (kW (HP) @ rpm)	82 (111) @ 2200
Peak power (kW (HP) @ rpm)	-
Peak torque (Nm (kgm) @ rpm)	480 (49) @ 1400
High idle speed (rpm)	950
Low idle speed (rpm)	
DEF[**]/AdBlue consumption at peak torque and rated power (% of fuel cons.)	-
Minimum starting temperature without auxiliaries (°C)	-15 -
Oil and oil filter maintenance interval for replacement [***] (hours)	500

STANDARD CONFIGURATION	
Flywheel housing (type)	SAE 3
Flywheel size (inch)	10
Intake manifold location	left side/frontward inlet
Exhaust manifold location	right side/frontward outlet
Turbocharger	waste gate controlled
Turbocharger location	high/ right side
Fan transmission ratio	1.41:1
Distance between fan - crankshaft centers	X = 0 Y = 296
(mm)	
Fuel filter (n°)	1- left side
Fuel prefilter	-
Fuel Pump	
Oil filter (n°)	1-right side
Oil sump	sheet steel- front well
Oil vapours blow-by circuit	on timing cover
Oil heat exchanger	built in the crankcase
Oil filler	-
Starter	12V- 3kW 12V- 90A with W contact
Alternator	12V- 90A With W contact
Hydraulic steering pump (liters/min)	-
Maximum torque available from crankshaft pulley (Nm)	-
Engine stop device	electrical excitation
Wiring harness	-
Painting color	grey

WEIGHT AND DIMENSIONS



NOT INCLUDED IN STANDARD CON	IFIGURATION
Power Take Off (PTO)	-
PTO - transmission ratio	1.03:1
PTO - maximum available torque	SAE A 100Nm (9teeth)- 150Nm (11 teeth) SAE B 240Nm (13 teeth)
Battery - minimum capacity recommended [*] (Ah)	180 (12V)
Battery - minimum cold cranking capacity recommended [*] (A)	950 (12V)

Legend

Arrangement Air Handling
L (in line) TAA (Turbocharged with aftercooler)
TC (Turbocharged)
NA (Naturally Aspirated)

Turbocharger WG (Wastegate) VGT (Variable Geometry Turbocharger) TST (Twin Stage Turbocharge) Injection System M (Mechanical): ECR (Electronic Common Rail) EUI (Electronic Unit Injector)

Emission Standard EEV (Enhanced Environmentally friendly Vehicle) Exhaust System
EGR (Exhaust Gas
Recirculation)
SCR (Selective Catalytic
Reduction)

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