UFFICIO TECNICO

workshop manual

CONSTRUCTIONAL AND OPERATIONAL CHARACTERISTICS

AD 295 TYPE ENGINE

Cycle	: 4 stroke, direct injection, diesel
Cylinders	: N° 2
Bore	: 95 mm.
Stroke	: 95 mm.
Unit swept volume	: 673 cu.cm.
Total swept volume	: 1346 cu.cm.
Revs./1'	: 3000
Foreseen Weight	: 195 Kg.

Revs./1'	NA Power Hp.	mpe Corresponding to NA Kg./cm^2	NB Power Hp.	mpe Corresponding to NB Kg/cm^2
3000	24	5,35	26	5,8

Torque	For NA = 24 at 3000 revs./1' : T = 5,7 Kg.m. For NB = 26 at 3000 revs./1' : T = 6,2 Kg.m.

DRIVES

1 Crankshaft flywheel side

2 Crankshaft distribution side

a) direct coupling: derivable power 100% of NB

b) coupling with belts: derivable power 75% of NB

3 Oleodynamic pump control

Revs. : 2445/1' max.: derivable torque 5 Kg.m.

corresponding to the power of 17 Hp.

4 Revs. counter control on the camshaft

5 Bildge pump by use of a belt

STRUCTURAL CHARACTERISTICS

Cooling : with a sea-water by means of a positive displac.pump

Lubrication: Forced

Start-up : electric, with a battery charger

CONSTRUCTIONAL AND OPERATIONAL CHARACTERISTICS

AD 395 TYPE ENGINE

Cycle	: 4 stroke, direct injection, diesel
Cylinders	: N° 3
Bore	: 95 mm.
Stroke	: 95 mm.
Unit swept volume	: 673 cu.cm.
Total swept volume	: 2019 cu.cm.
Revs./1'	: 3000
Foreseen Weight	: 245 Kg.

Revs./1'	NA Power Hp.	mpe Corresponding to NA Kg./cm^2	NB Power Hp.	mpe Corresponding to NB Kg./cm^2
3000	36	5,35	39	5,8

Torque	For NA = 36 at 3000 revs./1' : T = 8,6 Kg.m. For NB = 39 at 3000 revs./1' : T = 9,3 Kg.m.

DRIVES

1 Crankshaft flywheel side

2 Crankshaft distribution side

a) direct coupling: derivable power 100% of NB

b) coupling with belts: derivable power 75% of NB

3 Oleodynamic pump control

Revs.: 2445/1' max.; derivable torque 5 Kg.m. corresponding to the power of 17 Hp.

4 Revs. counter control on the camshaft

5 Bildge pump by use of a belt

STRUCTURAL CHARACTERISTICS

Cooling : with sea-water by means of a positive displac.pump

Lubrication : forced

Start-up : electric, with a battery charger

CONSTRUCTIONAL AND OPERATIONAL CHARACTERISTICS

AD 495 TYPE ENGINE

Cycle	: 4 stroke, direct injection, diesel
Cylinders	: Nº 4
Bore	: 95 mm.
Stroke	: 95 mm.
Unit swept volume	: 673 cu.cm.
Total swept volume	: 2692 cu.cm.
Revs./1'	: 3000
Foreseen Weight	: 300 Kg.

Revs./1'	NA Power Hp.	mpe Corresponding to NA Kg./cm^2	NB Power Hp.	mpe Corresponding to NB Kg./cm^2
3000	48	5,35	52	5,8

Torque	For NA = 48 at 3000 revs./1' : T = 11,4 Kg.m. For NB = 52 at 3000 revs./1' : T = 12,4 Kg.m.

DRIVES

1 Crankshaft flywheel side

2 Crankshaft distribution side

a) direct coupling: derivable power 100% of NB

b) coupling with belts: derivable power 75% of NB

3 Oleodynamic pump control

Revs.: 2445/1' max.; derivable torque 5 Kg.m.

corresponding to the power of 17 Hp.

4 Revs. counter control on the camshaft

5 Bildge pump by use of a belt

STRUCTURAL CHARACTERISTICS

Cooling : with a sea-water by means of a positive displac.pump

Lubrication : forced

Start-up : electric, with a battery charger