

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 900
OECD Approval Date	01/07/2015
Make	Valpadana
Model	4645 ISM
Type	4WD
Transmission	Mechanical
Speed	30 km/h
Manufacturer	ARGO TRACTORS S.p.A.
Testing Station	DISTAL – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>		YANMAR
<i>Model</i>		3TNV88-BKVA
<i>Type</i>		Direct injection
<i>Supercharging</i>		No
<i>Cylinders</i>		3
<i>Disposition</i>		vertical in line
<i>Capacity</i>		1642 cm ³
<i>Cooling</i>		Liquid

TRANSMISSION

<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	4
<i>Speed at rated engine speed</i>	from 1,21	to 28,13 km/h

POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	658,8 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	<i>Not</i>
<i>Number of splines</i>	6	<i>Applicable</i>

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	21,4 kW	2801 min ⁻¹	659 min ⁻¹
Hourly and specific consumption		7,28 l/h	284 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at maximum power at rated engine speed

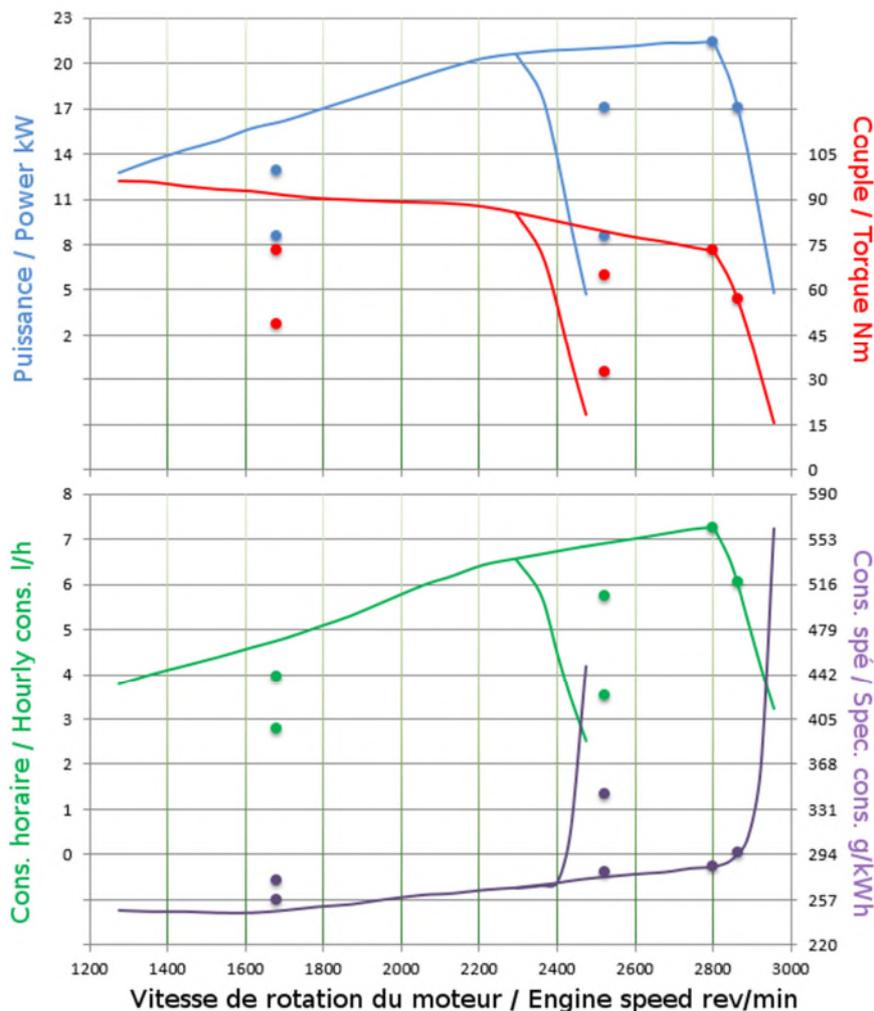
Power, Engine and Power take-off speed	21,4 kW	2801 min ⁻¹	659 min ⁻¹
Hourly and specific consumption		7,28 l/h	284 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	20,6 kW	2295 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		6,58 l/h	267 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Torque rise

<u>Maximum torque, Engine speed corresponding</u>		95,9 Nm	31,2 %
			1275 min ⁻¹



 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

 HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

12 ± 1 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

25,4 l/min

8,83 MPa

3,7 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

*Not**Applicable*

 POWER LIFT

Maximum lifting force

at the hitch points

9,12 kN

at the frame

7,02 kN

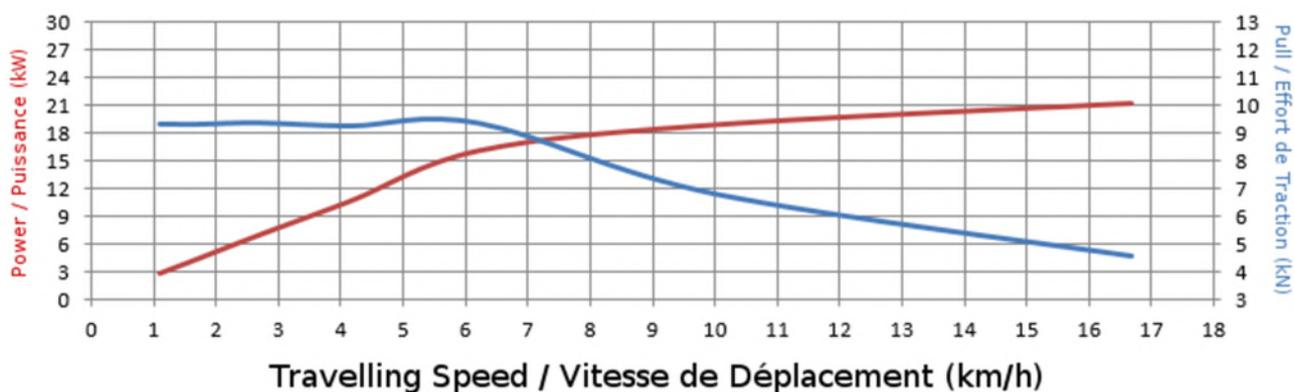


DRAWBAR TEST

Front tyres, Rear tyres	7.50-16	7.50-16
Inflation pressure	225 kPa	225 kPa

UNBALLASTED

Total Mass		1205 kg
Maximum drawbar pull		9,37 kN
at speed of		2,67 km/h
Maximum power		21,27 kW
at speed of		16,68 km/h



BALLASTED

Not Applicable