

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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|-----------------------------|----------------------|
| 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 |
| <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 | Not |
| <i>Number of splines</i> | 6 | Applicable |

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

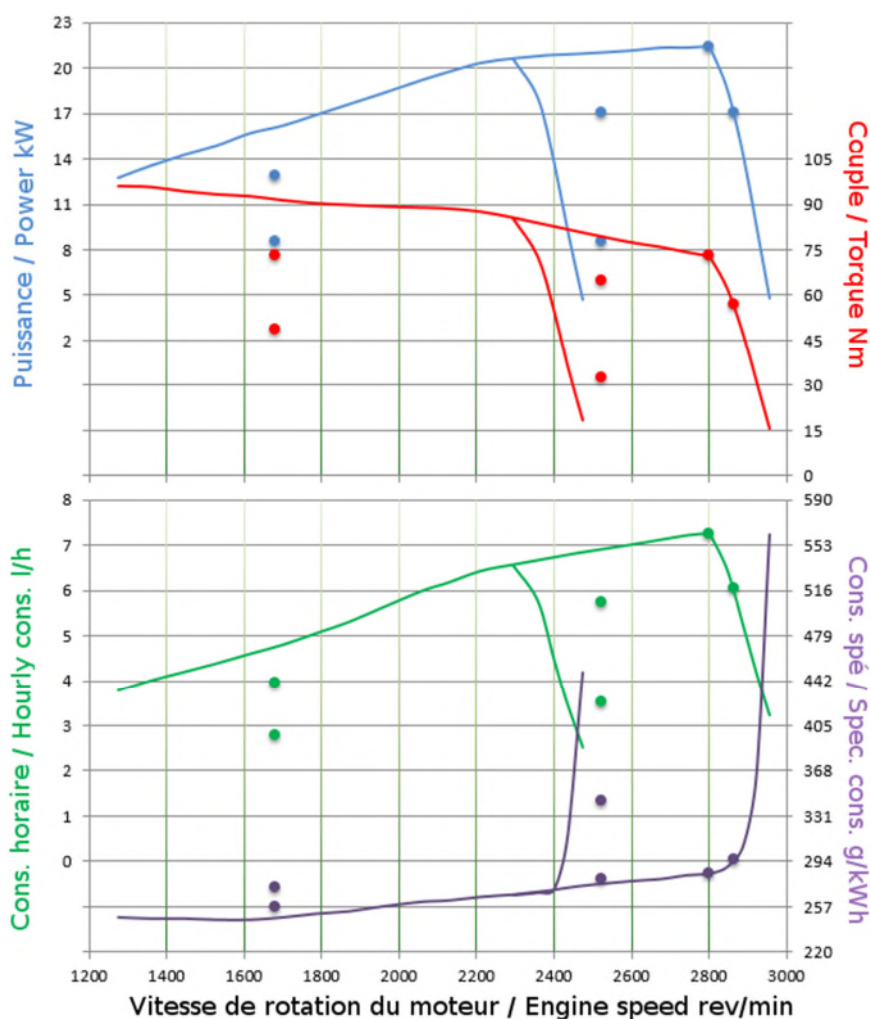
| | | | |
|--|---------|------------------------|-----------------------|
| Power, Engine and Power take-off speed | 21,4 kW | 2801 min ⁻¹ | 659 min ⁻¹ |
| Hourly and specific consumption | | 7,28 l/h | 284 g/kWh |
| Hourly and specific urea consumption | | - l/h | - g/kWh- |

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

| | | | |
|--|---------|------------------------|--------|
| Maximum torque, Engine speed corresponding | 95,9 Nm | 1275 min ⁻¹ | 31,2 % |
|--|---------|------------------------|--------|



 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

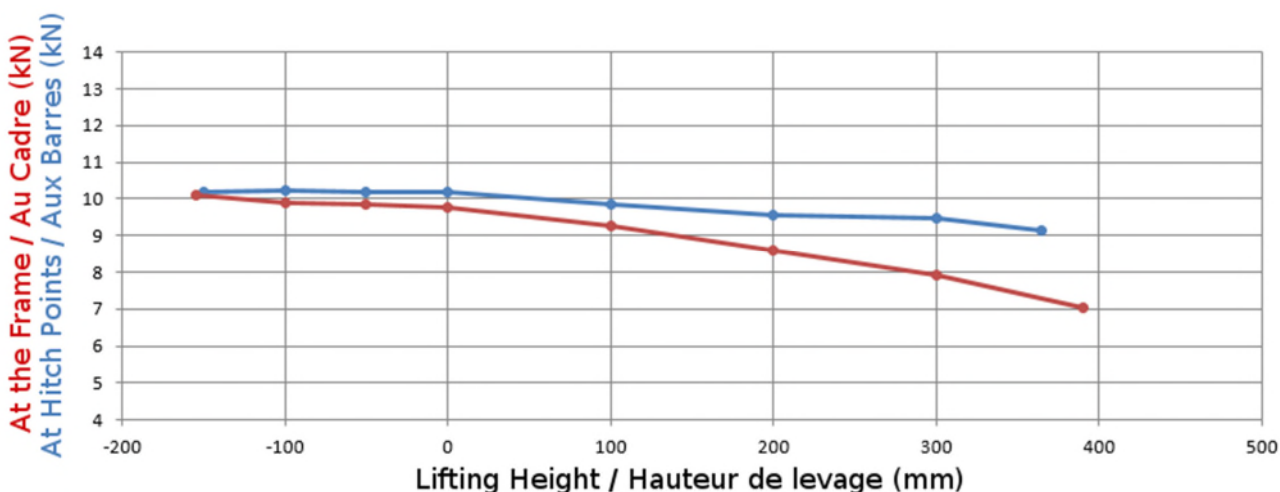
Maximum lifting force

at the hitch points

9,12 kN

at the frame

7,02 kN

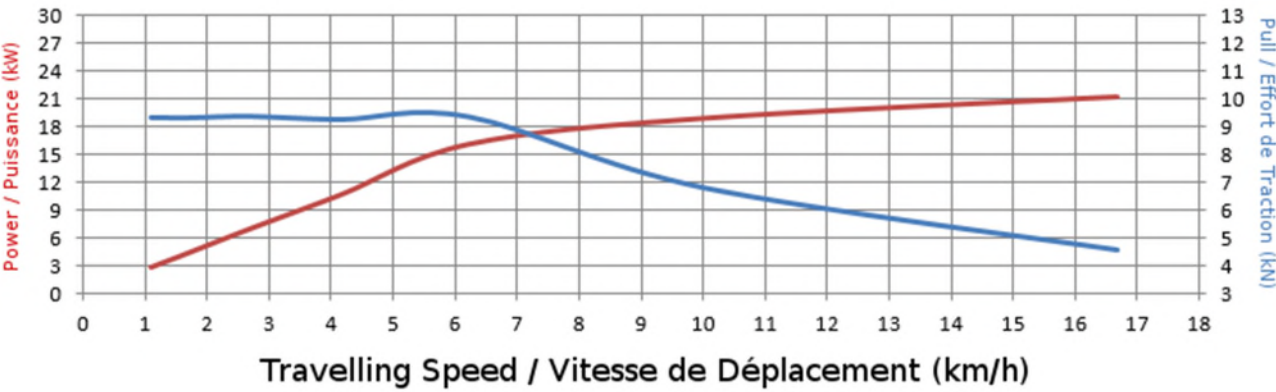


DRAWBAR TEST

| | | |
|-------------------------|---------|---------|
| 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