

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 060
OECD Approval Date	10/07/2017
Make	Escorts Limited
Model	FARMTRAC 6075 - 4WD
Type	4 WD
Transmission	mechanical
Speed	33 km/h
Manufacturer	M/s. Escorts Limited
Testing Station	BUDNI – India



SPECIFICATIONS

ENGINE

<i>Make</i>	Escorts Limited
<i>Model</i>	AE4.286J-3A
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	vertical, in-line
<i>Capacity</i>	2860 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 2,90 to 33,44 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>	656 min ⁻¹	
<i>Diameter of the shaft</i>	34.79 mm	<i>Not</i>
<i>Number of splines</i>	6	<i>available</i>

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	47,6 kW	2098 min ⁻¹	626 min ⁻¹
Hourly and specific consumption		13,71 l/h	241 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

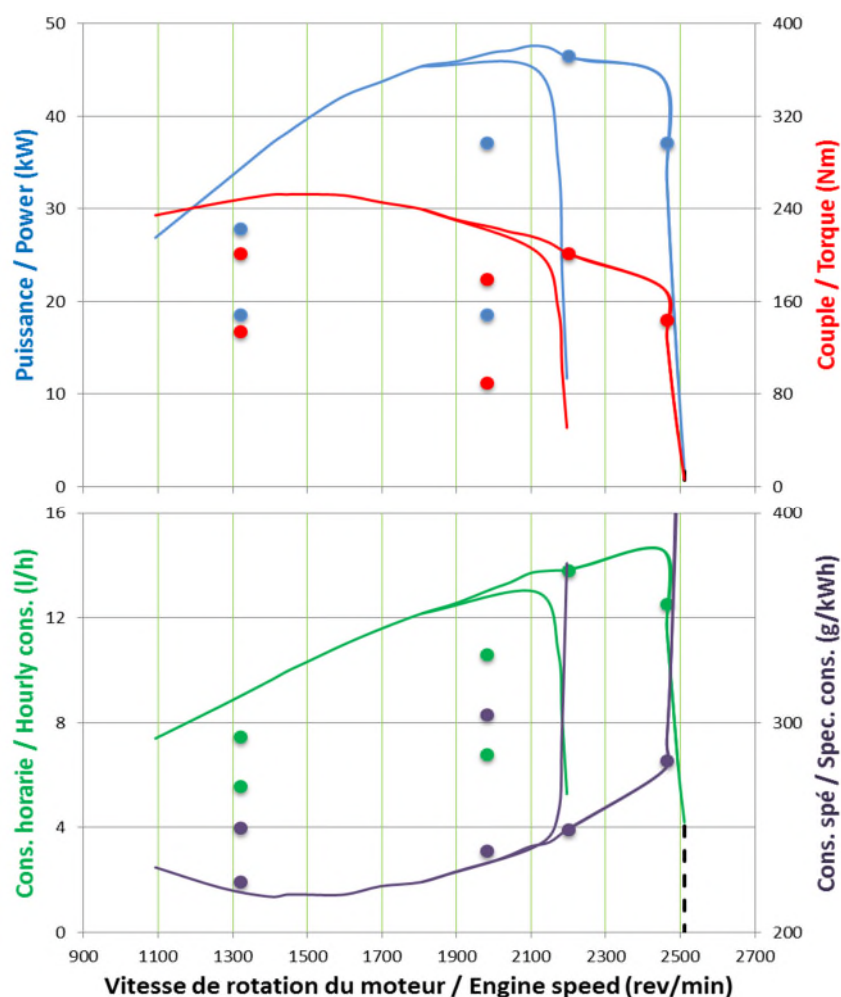
Power, Engine and Power take-off speed	46,4 kW	2196 min ⁻¹	655 min ⁻¹
Hourly and specific consumption		13,82 l/h	249 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	45,4 kW	1807 min ⁻¹	539 min ⁻¹
Hourly and specific consumption		12,17 l/h	224 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

Maximum torque, Engine speed corresponding	252,6 Nm	1499 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):

20 ± 1 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

38,6 l/min

14,5 MPa

9,3 kW

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

-

-

-

POWER LIFT

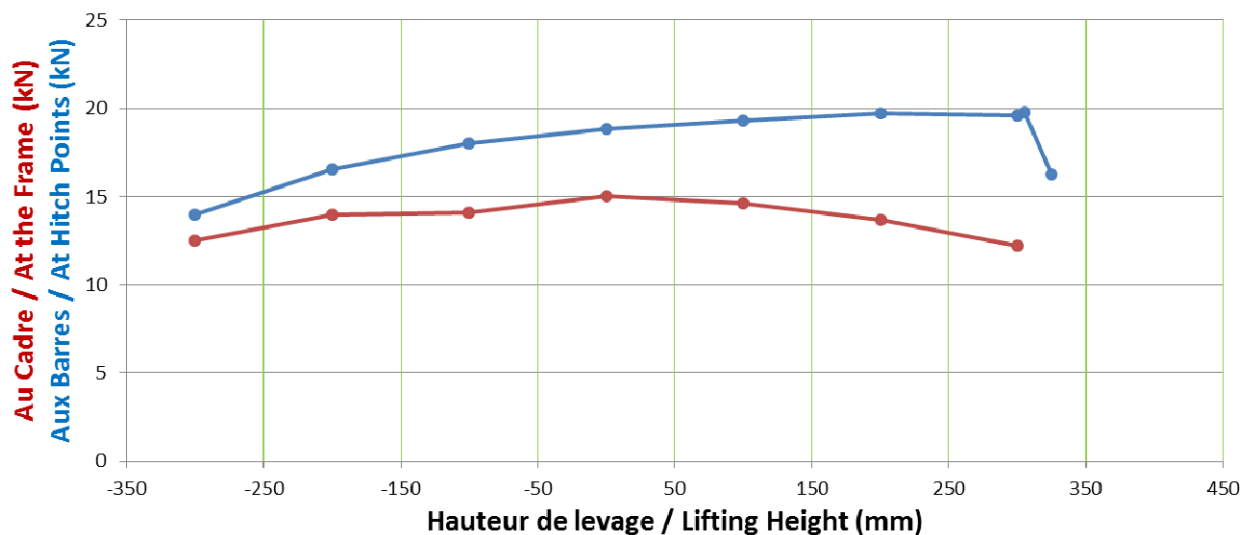
Maximum lifting force

at the hitch points

13,99 kN

at the frame

12,19 kN

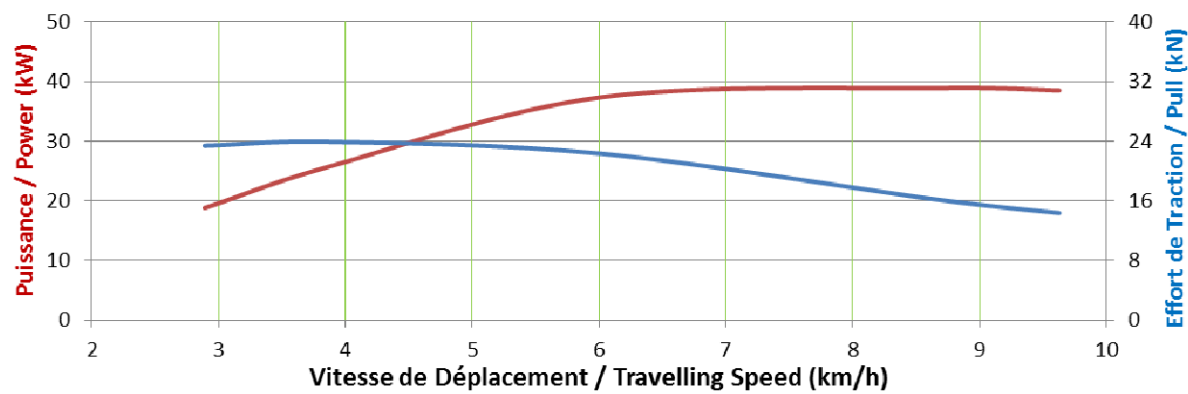


DRAWBAR TEST

Front tyres, Rear tyres	11.2 –24	16.9 – 30
Inflation pressure	210 kPa	130 kPa

UNBALLASTED

Total Mass	3030 kg
Maximum drawbar pull	23,91 kN
at speed of	3,90 km/h
Maximum power	38,9 kW
at speed of	8,67 km/h



BALLASTED

Not applicable