

# Truck Master 3 Performance

The Truck Master 3 has its best performance in 3" suction hoses and secondary in 2" with reduced RPMs. For suction hoses above 3" (4" – 5") we recommend this pump for vacuum lifts of fluids only.

The data FlowDry is based on the following parameters:

- Air temperature 20°C
- Water temperature 15°C
- Test performed with dry air and 1,013 mbar absolute pressure
- Tolerance ±10%



## Application performance & hose dimension

	Vacuum-lift fluids	Air-lift fluids	Air-lift solids
Suction hose 2"	1000 RPM	1000 RPM	1000 RPM
<b>Suction hose 3"</b>	<b>1000 RPM</b>	<b>1100 RPM</b>	<b>1600 RPM</b>
Suction hose 4"	1000 RPM		
Suction hose 5"	1000 RPM		
Suction hose 6"	1000 RPM		

## Vacuum performance

Metric	m3/h	kW	Nm
1800 RPM	820	27	143
1700 RPM	770	25	140
1600 RPM	730	22	131
1500 RPM	670	20	127
1400 RPM	630	17	116
1300 RPM	560	15	110
1200 RPM	505	14	111

## Pressure performance

Metric	m3/h	kW	Nm
1800 RPM	617	38	202
1700 RPM	564	34	191
1600 RPM	524	31	185
1500 RPM	457	27	172
1400 RPM	409	25	171
1300 RPM	345	22	162
1200 RPM	286	19	151

1 bar(g)

## Water consumption

Metric	50% vacuum	70% vacuum	80% vacuum
20°C	1,0	0,6	0,4
30°C	1,8	1,1	0,7
40°C	3,2	1,9	1,3
50°C	5,3	3,2	2,1
55°C	6,7	4,0	2,7

L/h

## Calculate operators performance

Recommended



Solution Finder

US	CFM	HP	Lbs *ft
1800 RPM	483	36	106
1700 RPM	454	34	104
1600 RPM	430	30	97
1500 RPM	395	27	94
1400 RPM	371	23	86
1300 RPM	330	20	81
1200 RPM	297	19	82

US	CFM	HP	Lbs *ft
1800 RPM	363	52	149
1700 RPM	332	46	141
1600 RPM	309	42	136
1500 RPM	269	37	127
1400 RPM	241	34	126
1300 RPM	203	30	119
1200 RPM	168	26	112

14,5 psi

US	50% vacuum	70% vacuum	80% vacuum
68°F	0,3	0,2	0,1
86°F	0,5	0,3	0,2
104°F	0,8	0,5	0,3
122°F	1,4	0,8	0,6
131°F	1,8	1,1	0,7

Gal/h