

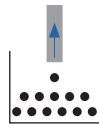
Truck Master 3

Hose-end performance

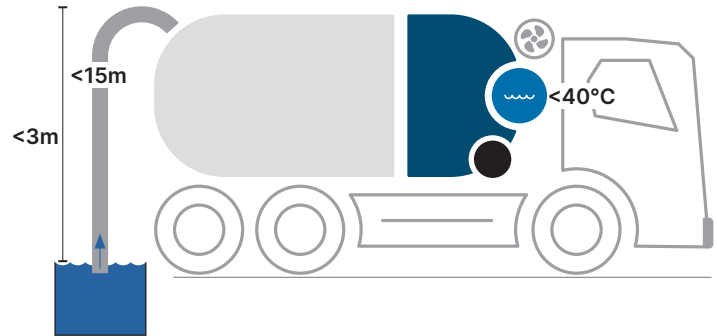
Hose-end flow data is based on the following test parameters:

- Water temperature up to 40°C
- Suction hose length up to 15 m
- Suction depth up to 3 m
- Tolerance ±10%

WATER flow can be used as a test parameter during commissioning and factory acceptance tests.



AIR FLOW



WATER FLOW

		Operators power experience during air lift of solids					Tank filling performance fully submerged vacuum lift					RETURN ON INVESTMENT				
		Air flow m/sec					m³/h kW					Fuel consumption filling 100m³				
							Performance loss					Diesel oil consumption liter				
		6" HOSE	5" HOSE	4" HOSE	3" HOSE	2" HOSE	6" HOSE	5" HOSE	4" HOSE	3" HOSE	2" HOSE	6" HOSE	5" HOSE	4" HOSE	3" HOSE	2" HOSE
TRUCK MASTER 3	1800 RPM	11 -69%	15 -57%	21 -40%	39 Perfect	72 104%	284 333% 27kW	207 216% 27kW	134 104% 27kW	73 27kW	26 -60% 27kW	0,95 2,54 KG/CO2	1,30 3,48 KG/CO2	2,01 5,40 KG/CO2	4,11 11,0 KG/CO2	10,3 27,8 KG/CO2
	1700 RPM	10 -71%	14 -60%	20 -43%	35 Perfect	68 94%	281 296% 25kW	205 189% 25kW	135 91% 25kW	71 25kW	26 -63% 25kW	0,89 2,38 KG/CO2	1,22 3,27 KG/CO2	1,84 4,93 KG/CO2	3,52 9,42 KG/CO2	9,62 25,7 KG/CO2
	1600 RPM	9 -74%	14 -60%	19 -46%	33 -5%	65 87%	269 278% 22kW	206 190% 22kW	127 80% 22kW	71 22kW	26 -63% 22kW	0,82 2,19 KG/CO2	1,07 2,86 KG/CO2	1,72 4,61 KG/CO2	3,09 8,29 KG/CO2	8,46 22,6 KG/CO2
	1500 RPM	9 -74%	12 -66%	17 -51%	31 -12%	61 74%	257 281% 19kW	203 201% 19kW	126 88% 19kW	68 19kW	26 -61% 19kW	0,74 1,98 KG/CO2	0,93 2,50 KG/CO2	1,50 4,01 KG/CO2	2,81 7,54 KG/CO2	7,31 19,5 KG/CO2
	1400 RPM	8 -77%	12 -66%	16 -53%	29 -19%	59 67%	246 261% 17kW	193 183% 17kW	126 84% 17kW	68 17kW	26 -62% 17kW	0,69 1,85 KG/CO2	0,88 2,35 KG/CO2	1,35 3,62 KG/CO2	2,49 6,66 KG/CO2	6,54 17,5 KG/CO2
	1300 RPM	7 -80%	10 -71%	14 -59%	25 -28%	52 50%	234 253% 15kW	183 176% 15kW	126 89% 15kW	67 15kW	26 -61% 15kW	0,64 1,71 KG/CO2	0,82 2,19 KG/CO2	1,19 3,19 KG/CO2	2,25 6,04 KG/CO2	5,77 15,4 KG/CO2
	1200 RPM	6 -83%	9 -74%	13 -63%	23 -34%	48 37%	220 231% 13kW	181 173% 13kW	118 78% 13kW	67 13kW	26 -61% 13kW	0,59 1,58 KG/CO2	0,72 1,92 KG/CO2	1,09 2,93 KG/CO2	1,95 5,23 KG/CO2	5,00 13,4 KG/CO2

DOC1140

Air flow m/sec

100%+	Overcapacity extreme
45-99%	Overcapacity high
15-44%	Overcapacity
0-14%	Perfect 35 - 40 m/sec
0--29%	Water is flying
-30%-	Insufficient speed

Performance +/- %

90% +
60-90%
40-60%
20-40%
10-20%
Full capacity

Diesel oil consumption per 100m³

5L +	Highly Inefficient
4-5L	Inefficient
3-4L	Less Efficient
2-3L	Moderately Efficient
1-2L	Efficient
0-1L	Highly Efficient

Customized calculations

Our team of vacuum specialists, with extensive experience, is available for customized calculations based on specific investments. Reach out for a consultation and achieve goals with precision and expertise.

Truck Master 3

Pump-end performance

Features:

- Hard anodized aluminum
- Dry run resistant mechanical shaft seals
- Life-time lubricated bearings
- Available in ATEX Zone 1
- Low noise

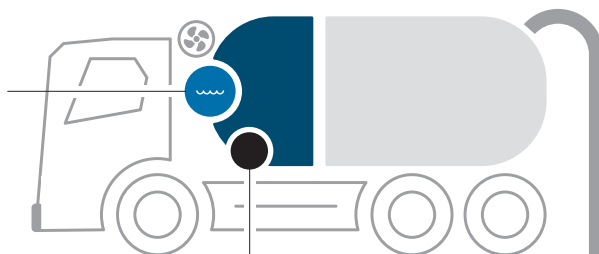


Water evaporation from saturation inside the pump

Metric	50% vacuum	70% vacuum	80% vacuum	US	50% vacuum	70% vacuum	80% vacuum
20°C	1,0	0,6	0,4	68°F	0,3	0,2	0,1
30°C	1,8	1,1	0,7	86°F	0,5	0,3	0,2
40°C	3,2	1,9	1,3	104°F	0,8	0,5	0,3
50°C	5,3	3,2	2,1	122°F	1,4	0,8	0,6
55°C	6,7	4,0	2,7	131°F	1,8	1,1	0,7

L/h

Gal/h



Vacuum

Metric	m3/h	kW	Nm	US	CFM	HP	Lbs *ft
1800 RPM	820	27	143	1800 RPM	483	36	106
1700 RPM	770	25	140	1700 RPM	453	34	104
1600 RPM	730	22	131	1600 RPM	430	30	97
1500 RPM	670	19	121	1500 RPM	394	25	89
1400 RPM	630	17	116	1400 RPM	371	23	86
1300 RPM	560	15	110	1300 RPM	330	20	81
1200 RPM	505	13	103	1200 RPM	297	17	76

Pressure

Metric	m3/h	kW	Nm	US	CFM	HP	Lbs *ft
1800 RPM	617	38	202	1800 RPM	363	51	149
1700 RPM	564	34	191	1700 RPM	332	46	141
1600 RPM	524	31	185	1600 RPM	308	42	136
1500 RPM	457	27	172	1500 RPM	269	36	127
1400 RPM	409	25	171	1400 RPM	241	34	126
1300 RPM	345	22	162	1300 RPM	203	30	119
1200 RPM	286	19	151	1200 RPM	168	25	112