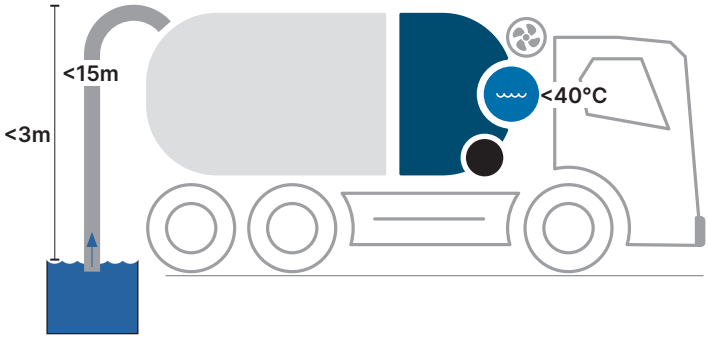
Truck Master 6

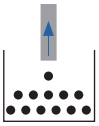
Hose-end performance

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.





TRUCK MASTER 3400	AIR FLOW: Operators power experience during air lift of solids — Air flow | m/sec					WATER FLOW: Tank filling performance fully submerged vacuum lift — m³/h | kW / Performance loss					RETURN ON INVESTMENT: Fuel consumption filling 100m³ — Diesel oil consumption liter / KG/CO2 emissions				
	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
1600 RPM	50 43%	72 106%	89 154%	126 260%	137 291%	432 139kW	305 -29% 139kW	163 -62% 139kW	79 -82% 139kW	26 -94% 139kW	3,22 8,62 KG/CO2	4,56 12,2 KG/CO2	8,53 22,8 KG/CO2	17,5 47,1 KG/CO2	53,4 143 KG/CO2
1500 RPM	48 37%	69 97%	86 147%	123 252%	136 288%	428 119kW	305 -29% 119kW	163 -62% 119kW	79 -82% 119kW	26 -94% 119kW	2,78 7,44 KG/CO2	3,90 10,4 KG/CO2	7,30 19,5 KG/CO2	15,0 40,3 KG/CO2	45,7 122 KG/CO2
1400 RPM	45 29%	65 86%	82 134%	120 241%	135 286%	428 103kW	305 -29% 103kW	163 -62% 103kW	79 -82% 103kW	26 -94% 103kW	2,40 6,44 KG/CO2	3,38 9,05 KG/CO2	6,32 16,9 KG/CO2	13,0 34,9 KG/CO2	39,6 106 KG/CO2
1300 RPM	42 20%	60 71%	77 120%	114 226%	133 281%	426 88kW	305 -29% 88kW	163 -62% 88kW	79 -81% 88kW	26 -94% 88kW	2,06 5,53 KG/CO2	2,89 7,73 KG/CO2	5,40 14,4 KG/CO2	11,1 29,8 KG/CO2	33,8 90,7 KG/CO2
1200 RPM	39 Perfect	56 60%	72 107%	109 210%	131 274%	423 77kW	305 -28% 77kW	163 -62% 77kW	79 -81% 77kW	26 -94% 77kW	1,82 4,87 KG/CO2	2,52 6,77 KG/CO2	4,72 12,6 KG/CO2	9,75 26,1 KG/CO2	29,6 79,3 KG/CO2
1100 RPM	34 -3%	49 40%	64 84%	99 183%	126 259%	413 64kW	272 -34% 64kW	163 -61% 64kW	79 -81% 64kW	26 -94% 64kW	1,55 4,15 KG/CO2	2,35 6,29 KG/CO2	3,93 10,5 KG/CO2	8,10 21,7 KG/CO2	24,6 65,9 KG/CO2
1000 RPM	29 -17%	42 20%	56 60%	89 154%	120 242%	397 50kW	265 -33% 50kW	163 -59% 50kW	79 -80% 50kW	26 -93% 50kW	1,26 3,37 KG/CO2	1,88 5,05 KG/CO2	3,07 8,22 KG/CO2	6,33 16,9 KG/CO2	19,2 51,5 KG/CO2
900 RPM	26 -26%	37 Perfect	50 44%	82 133%	113 224%	383 45kW	261 -32% 45kW	163 -57% 45kW	79 -79% 45kW	26 -93% 45kW	1,17 3,15 KG/CO2	1,72 4,62 KG/CO2	2,76 7,40 KG/CO2	5,70 15,2 KG/CO2	17,3 46,3 KG/CO2
800 RPM	20 -43%	29 -17%	40 Perfect	66 90%	100 185%	347 35kW	239 -31% 35kW	144 -58% 35kW	79 -77% 35kW	26 -93% 35kW	1,01 2,70 KG/CO2	1,46 3,92 KG/CO2	2,42 6,47 KG/CO2	4,43 11,8 KG/CO2	13,4 36,0 KG/CO2
700 RPM	18 -49%	25 -29%	35 Perfect	59 69%	94 168%	334 31kW	233 -30% 31kW	141 -58% 31kW	70 -79% 31kW	26 -92% 31kW	0,93 2,48 KG/CO2	1,33 3,56 KG/CO2	2,19 5,88 KG/CO2	4,42 11,8 KG/CO2	11,9 31,9 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

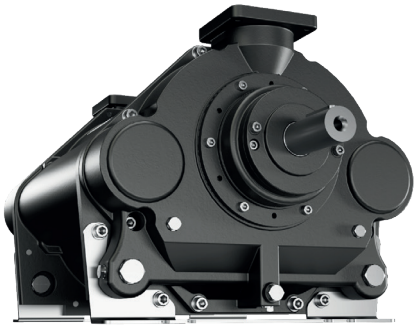
Customized calculations

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 6

Pump-end performance

Features:
- E-coated cast iron
- Stainless steel rotor
- FreezeSafe
- Dry run resistant mechanical shaft seals
- Available in ATEX Zone 1 or 0
- Low noise



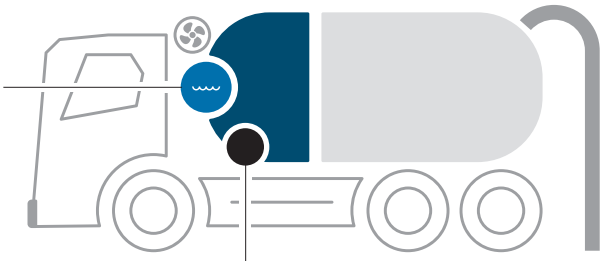
Water evaporation from saturation inside the pump

Metric	50% vacuum	70% vacuum	80% vacuum
20°C	32	17	12
30°C	50	22	20
40°C	86	43	34
50°C	140	75	56
55°C	220	124	88

L/h

US	50% vacuum	70% vacuum	80% vacuum
68°F	9	4	3
86°F	13	6	5
104°F	23	11	9
122°F	37	20	15
131°F	58	33	23

Gal/h



Vacuum max

Metric	m3/h	kW	Nm
1600 RPM	3974	139	830
1500 RPM	3818	119	758
1400 RPM	3415	103	703
1300 RPM	3347	88	646
1200 RPM	3078	77	613
1100 RPM	2839	64	556
1000 RPM	2252	50	478
900 RPM	2001	45	478
800 RPM	1503	35	418
700 RPM	1316	31	423

US	CFM	HP	Lbs *ft
1600 RPM	2339	186	612
1500 RPM	2247	160	559
1400 RPM	2010	138	518
1300 RPM	1970	118	477
1200 RPM	1812	103	452
1100 RPM	1671	86	410
1000 RPM	1326	67	352
900 RPM	1178	60	352
800 RPM	885	47	308
700 RPM	775	42	312

Pressure max

Metric	m3/h	kW	Nm
1400 RPM	2502	133	907
1300 RPM	2281	117	860
1200 RPM	2068	98	780
1100 RPM	1787	82	712

US	CFM	HP	Lbs *ft
1400 RPM	1473	181	669
1300 RPM	1343	159	634
1200 RPM	1217	133	575
1100 RPM	1052	112	525