



Data below represents valid predictions of transmission performance with the given parameters.
Transmittal of this data does not imply Sauer-Danfoss approval of the pump and motor size

Привод вентиляторов катера

Prime Mover Speed (min⁻¹): **4500** Limiting Pressure (bar): **200**
Input Power (kW): **40** Charge Pressure (bar): **0**

Delta System Pressure (bar) 200 200 200 200 200 200 200 200 200 200

Pump 1 M46 - Series 40, 45,9cc, 17deg Max Angle, no charge pump

Pump Drive Ratio: **0,52** Pump Drive Efficiency (%): **100**

Swashplate Angle (deg)	2,7	4,6	6,8	9,1	10,9	13,1	14,9	16,7	16,7	16,7
Displacement (cm ³ /rev)	7,0	12,0	18,0	24,0	29,0	35,0	40,0	45,0	45,0	45,0
Displacement (cir)	0,43	0,73	1,10	1,46	1,77	2,14	2,44	2,75	2,75	2,75
Input Shaft Speed (min ⁻¹)	2340	2340	2340	2340	2340	2340	2340	2340	2340	2340
Torque at Shaft (N-m)	27	43	63	83	100	120	137	155	155	155
Actual Flow (lpm)	13,5	24,4	37,4	50,5	61,4	74,4	85,3	96,3	96,3	96,3
Power Loss (kW)	2,1	2,5	3,0	3,5	4,0	4,6	5,2	5,9	5,9	5,9
Charge Pump Loss (kW)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Volumetric Efficiency (%)	82	87	89	90	90	91	91	91	91	91
Torque Efficiency (%)	83	88	91	92	93	93	93	92	92	92
Overall Efficiency (%)	68	77	81	83	84	84	84	85	85	85

Total Pump Flow (lpm) 13,5 24,4 37,4 50,5 61,4 74,4 85,3 96,3 96,3 96,3

Motor 1 LV25 - L Frame, 25cc, 18deg Max Angle, AxialPiston

Output Gearing Ratio: **1**
Output Gearing Efficiency (%): **100**

Swashplate Angle (deg)	18,0	18,0	18,0	18,0	18,0	18,0	18,0	18,0	14,3	10,7
Displacement (cm ³ /rev)	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	20,0	15,0
Displacement (cir)	1,53	1,53	1,53	1,53	1,53	1,53	1,53	1,53	1,22	0,92
Shaft Speed (min ⁻¹)	226	431	678	926	1133	1381	1589	1796	2235	2959
Torque at Motor Shaft (N-m)	73	73	73	73	73	73	72	72	56	41
Power Loss (kW)	0,5	0,8	1,1	1,3	1,6	1,9	2,2	2,5	2,8	3,5
Volumetric Efficiency (%)	84	88	91	92	92	93	93	93	93	92
Torque Efficiency (%)	92	92	92	92	91	91	91	91	89	85
Overall Efficiency (%)	77	81	83	84	84	85	85	85	82	78
Output Torque (N-m)	73	73	73	73	73	73	72	72	56	41
Output Speed (min ⁻¹)	226	431	678	926	1133	1381	1589	1796	2235	2959

Motor 2 LV25 - L Frame, 25cc, 18deg Max Angle, AxialPiston

Output Gearing Ratio: **1**
Output Gearing Efficiency (%): **100**

Swashplate Angle (deg)	18,0	18,0	18,0	18,0	18,0	18,0	18,0	18,0	14,3	10,7
Displacement (cm ³ /rev)	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	20,0	15,0
Displacement (cir)	1,53	1,53	1,53	1,53	1,53	1,53	1,53	1,53	1,22	0,92
Shaft Speed (min ⁻¹)	226	431	678	926	1133	1381	1589	1796	2235	2959
Torque at Motor Shaft (N-m)	73	73	73	73	73	73	72	72	56	41
Power Loss (kW)	0,5	0,8	1,1	1,3	1,6	1,9	2,2	2,5	2,8	3,5
Volumetric Efficiency (%)	84	88	91	92	92	93	93	93	93	92
Torque Efficiency (%)	92	92	92	92	91	91	91	91	89	85
Overall Efficiency (%)	77	81	83	84	84	85	85	85	82	78
Output Torque (N-m)	73	73	73	73	73	73	72	72	56	41
Output Speed (min ⁻¹)	226	431	678	926	1133	1381	1589	1796	2235	2959

Total System Performance

Input Power (kW)	6,6	10,6	15,4	20,3	24,4	29,4	33,7	38,0	38,0	38,0
Output Power (kW)	3,5	6,6	10,4	14,1	17,3	21,0	24,1	27,2	26,4	25,1
Power Loss (kW)	3,1	4,0	5,1	6,2	7,2	8,4	9,6	10,8	11,5	12,8
System Efficiency (%)	53	62	67	70	71	71	72	72	70	66
Total Output Torque (N-m)	146,7	146,4	146,0	145,7	145,4	145,1	144,8	144,5	112,9	81,1