

Modeling and performance analysis of twin-screw steam operating conditions in steam pipeline pressure energy

Energy

141, 692-701

DOI: [10.1016/j.energy.2017.09.128](https://doi.org/10.1016/j.energy.2017.09.128)

Citation Report

#	ARTICLE	IF	CITATIONS
1	An experimental and numerical analysis of the performances of a Wankel steam expander. <i>Energy</i> , 2018, 164, 615-626.	8.8	7
2	Experimental Investigation into the Effect of Oil Injection on the Performance of a Variable Speed Twin-Screw Compressor. <i>Energies</i> , 2018, 11, 1342.	3.1	11
3	Optimization on shaft seals for a twin-screw steam compressor based on a novel uniform property region (UPR) model on discharge end-face. <i>International Journal of Refrigeration</i> , 2018, 91, 167-176.	3.4	11
4	Internal volume ratio optimization and performance analysis for single-screw expander in small-scale middle temperature ORC system. <i>Energy</i> , 2019, 186, 115799.	8.8	24
5	Experimental and numerical investigation of direct liquid injection into an ORC twin-screw expander. <i>Energy</i> , 2019, 178, 867-878.	8.8	16
6	Analysis of the leakage in a water-lubricated twin-screw air compressor. <i>Applied Thermal Engineering</i> , 2019, 155, 217-225.	6.0	31
7	Performance research on a power generation system using twin-screw expanders for energy recovery at natural gas pressure reduction stations under off-design conditions. <i>Applied Energy</i> , 2019, 236, 1218-1230.	10.1	25
8	Experimental study on the performance of oil-free twin-screw expanders for recovering energy in fuel cell systems. <i>Applied Thermal Engineering</i> , 2020, 165, 114613.	6.0	16
9	Energy performance and numerical optimization of a screw expander-based solar thermal electricity system in a wide range of fluctuating operating conditions. <i>International Journal of Energy Research</i> , 2020, 44, 1858-1874.	4.5	22
10	Process Drive Sizing Methodology and Multi-Level Modeling Linking MATLAB® and Aspen Plus® Environment. <i>Processes</i> , 2020, 8, 1495.	2.8	4
11	Performance optimization of a heat pump integrated with a single-screw refrigeration compressor with liquid refrigerant injection. <i>Energy</i> , 2020, 207, 118197.	8.8	14
12	Thermodynamic and Economic Feasibility of Energy Recovery from Pressure Reduction Stations in Natural Gas Distribution Networks. <i>Energies</i> , 2020, 13, 4453.	3.1	9
13	Overview of the Development and Application of the Twin Screw Expander. <i>Energies</i> , 2020, 13, 6586.	3.1	6
14	Thermoeconomic comparison between the organic flash cycle and the novel organic Rankine flash cycle (ORFC). <i>Energy Conversion and Management</i> , 2020, 215, 112926.	9.2	25
15	Loss analysis of oil-free twin-screw expanders for recovering energy in fuel cell systems by means of p-î diagrams. <i>Energy</i> , 2020, 201, 117581.	8.8	9
16	Numerical optimization of intake and exhaust structure and experimental verification on single-screw expander for small-scale ORC applications. <i>Energy</i> , 2020, 199, 117478.	8.8	19
17	Performance assessments and simulations of ROT (radial outflow turbine) for back-pressure turbine generator system. <i>Energy</i> , 2021, 228, 120551.	8.8	1
18	Combined use of volumetric expanders and Scheffler receivers to improve the efficiency of a novel direct steam solar power plant. <i>International Journal of Energy Research</i> , 2021, 45, 21058-21081.	4.5	8

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19	Experimental Investigation on a Sliding-Vane Expander for Steam Applications. IOP Conference Series: Materials Science and Engineering, 2021, 1180, 012031.	0.6	0
20	A novel method for rotor profile optimization of high <scp>temperature screw</scp> expanders employed in waste heat recovery systems. International Journal of Energy Research, 2021, 45, 8551-8563.	4.5	5
21	Energetic Analysis of a New Direct Steam Generation Solar Plant Using Screw Expanders. Energies, 2020, 13, 720.	3.1	7
22	Influence of water injection parameters on the performance of a water-lubricated single-screw air compressor. Journal of Mechanical Science and Technology, 2022, 36, 445.	1.5	4
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24	Mathematical Modeling of the Operation of an Expander-Generator Pressure Regulator in Non-Stationary Conditions of Small Gas Pressure Reduction Stations. Mathematics, 2022, 10, 393.	2.2	5
25	Study on the internal irreversible losses and process exponent of single screw expanders. Journal of Mechanical Science and Technology, 2022, 36, 1569-1578.	1.5	0
26	Study on novel cross-axis conical screw rotors with large built-in volume ratio for twin-screw expanders used in energy recovery systems. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 0, , 095765092210778.	1.4	0
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29	Investigation of a sole gas expander for gas pressure regulation and energy recovery. Energy, 2023, 281, 128258.	8.8	1
30	A non-uniform pressure distribution model on the end face in screw expander and shaft seal leakage characteristics{fr}Etude des paramÃˆtres de la Structure sur les fuites d'arbres dans un expandeur Ã vis basÃ© sur un nouveau modÃ©le de distribution de pression non uniforme sur la face d'extrÃ©mitÃ©. International Journal of Refrigeration, 2023, 154, 99-110.	3.4	0
31	Pressure energy recovery of LNG integrated with multi-stage feedwater fuel preheaters in a combined cycle power plant. Energy, 2023, 285, 128694.	8.8	1
32	A review of the energy recovery and energy pressure of liquid. Energy Science and Engineering, 2023, 11, 3907-3927.	4.0	0