

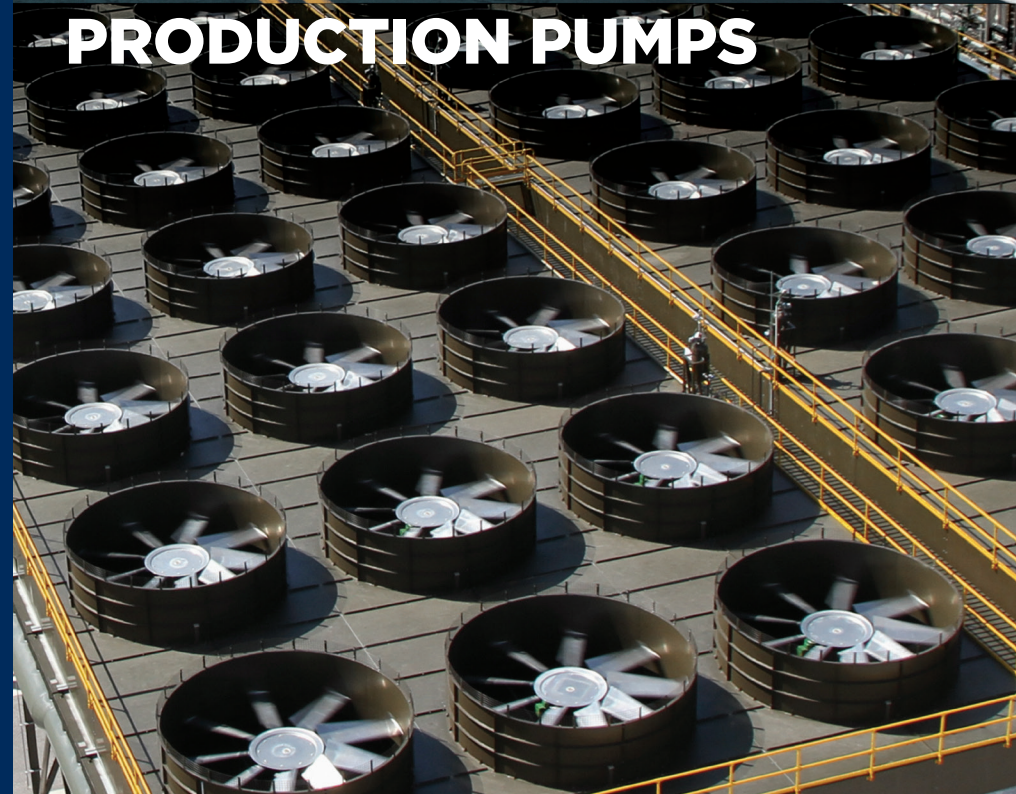


ORMAT[®]

For more information about Ormat
see our website www.ormat.com
or contact us at ormat@ormat.com



ORMAT PRODUCTION PUMPS



SMART SOLUTIONS FOR PUMPED RESOURCES

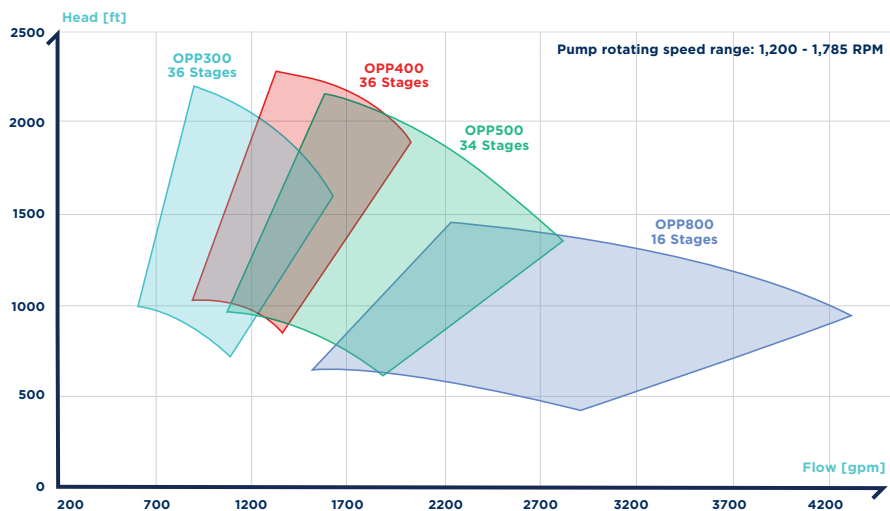
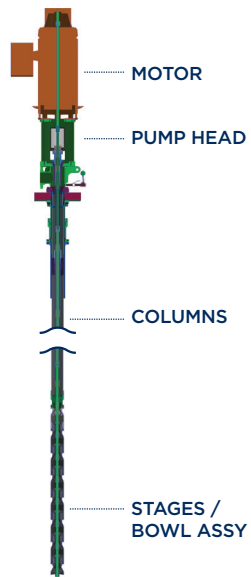
Ormat Technologies, Inc. (NYSE: ORA) delivers renewable energy solutions world-wide. We're an experienced, proven geothermal player, involved in exploring for, developing, designing, manufacturing, building, owning and operating geothermal power plants for decades.

Ormat's Proprietary Production Pump (OPP)

Ormat has applied our operational insight to our product line of customizable geothermal production pumps. We understand your operating challenges, because we are operators too. We know production pumps are important components that must be durable, reliable and offer consistent flow and pressure regulation.

A Decade of Performance Testing

Ormat has invested more than a decade testing our line of proprietary pumps to enhance their reliability and availability. We've conducted extensive tests in a wide variety of geothermal facilities, and under multiple operating parameters. The proven performance of our pumps contributes in a significant way to the overall efficiency and profitability of the geothermal power plants we own and operate, as well as to those we develop for third parties.



Built for the Future

Every part of an Ormat Production Pump has been thoughtfully designed to maximize product life and performance. From type selection to casting, bearings, shafts and the material for wear rings - every facet of an Ormat Production Pump is built for the long haul. We apply stringent process controls to our manufacturing processes, which drives product quality, reliability and overall performance.

Versatile Applications

In addition to geothermal well applications, OPPs offer value-adding options for geothermal producers who don't currently use pumps. When artesian wells lose pressure and flow, OPPs can revitalize these formations and bring them back into productive operation.

Custom Tailored to Well Characteristics

Every Ormat Production Pump is customized to work precisely for the characteristics of the formation in which it will run. Our team of professionals works closely with you, to understand the specific operating conditions and performance required. From start to finish, our approach is designed to make the development of a custom pump solution simple, efficient and cost-effective.

Operating Speed	1200 to 2260 rpm	
Capacity	550 to 5300 gpm	125 to 1200 m ³ /hr
Head	up to 2270 ft	up to 690 m
Max Pressure	1000 psi	69 bar
Temperature	up to 250°C	up to 482°F
Suitable for Casing size		13 3/8" to 16"
Settings Depth	up to 2500 ft	up to 830 m

Contact Ormat today!

Put the power of Ormat's proprietary production pumps to work in your geothermal plant. Contact us at ormat@ormat.com or visit www.ormat.com

54 years
of experience

\$719M
FY 2018 Revenues

Own & Operate
917 MW

~1,400
Employees



ORMAT

