

# Irrigation Applications

Diesel Engines



JOHN DEERE

Field-proven  
irrigation power



**At home in the field.** John Deere irrigation engines know their way around a farm field. With more than 80 years of proven performance under our belt, you can depend on John Deere for uninterrupted performance and unbeatable fuel economy. Our engines work in hot, dusty field conditions. And they keep working to protect your valuable crop investment.

**Biodiesel is here.** John Deere Power Systems has a strong commitment to the environment, energy security, and technological advances that have a positive impact on both.

Biodiesel certainly meets these criteria. While B5 blends are preferred, biodiesel concentrations up to 20 percent (B20) blended in petroleum diesel fuel can be used in all John Deere engines providing the biodiesel used in the fuel blend meets the standards set by the American Society of Testing Materials (ASTM) D6751.

**The power of a worldwide support network.** With John Deere, you never have far to go to find expert assistance and advice. The more than 4,000 service locations throughout the world give you peace of mind that you can get service when and where you need it. Plus, all John Deere engines are backed by a worry-free 1-year/unlimited-hour or 2-year/2,000-hour warranty. An extended 5-year/5,000-hour warranty is available under certain conditions.

**Fast parts delivery.** You can count on genuine John Deere parts. Our worldwide parts distribution system has overnight delivery available in most areas of the world. For even faster service, our dealers keep many maintenance and replacement parts in stock to get you back to work immediately.

**Log on to [www.JohnDeere.com/dealer](http://www.JohnDeere.com/dealer) to find the service dealer nearest you.**



**JOHN DEERE**



## Selecting the right irrigation engine

John Deere gives you irrigation power choices from 31 to 373 kW (41 to 500 hp) that meet current emissions regulations for all irrigation equipment. When an entire crop is at stake, you'll see why more farmers are choosing John Deere power for their irrigation units.

Below are commonly-chosen irrigation engines. Visit our Web site at [www.JohnDeere.com/specs](http://www.JohnDeere.com/specs) to view additional power ratings.

### Tier 3/Stage III A PowerTech™ M Engines

Engine model	Rated speed	Continuous		Fuel data	rpm	Continuous		Fuel data
	rpm	kW	hp	gal/hr		kW	hp	gal/hr
2-Valve Mechanical								
4024H	2800	31	41	2.6	1800	27	35	1.9
4045T	2400	54	72	4.4	1800	48	64	3.6
4045H	2400	67	90	5.0	1800	61	82	4.2

### Tier 3/Stage III A PowerTech E Engines

Engine model	Rated speed	Continuous		Fuel data	rpm	Continuous		Fuel data
	rpm	kW	hp	gal/hr		kW	hp	gal/hr
2-Valve Electronic								
4045H	2400	86	115	6.4	1800	78	105	5.6
6068H	2400	116	156	8.6	1800	105	141	7.4

### Tier 3/Stage III A PowerTech Plus Engines

Engine model	Rated speed	Continuous		Fuel data	rpm	Continuous		Fuel data
	rpm	kW	hp	gal/hr		kW	hp	gal/hr
4-Valve Electronic								
6068H	2400	168	225	11.0	1800	151	203	9.8
6090H	2200	224	300	14.4	1800	224	300	14.3
6135H	2100	373	500	25.4	1800	373	500	25.4

### Tier 2/Stage II PowerTech Engines

Engine model	Rated speed	Continuous		Fuel data	rpm	Continuous		Fuel data
	rpm	kW	hp	gal/hr		kW	hp	gal/hr
2-Valve Mechanical								
4024T	2800	42	56	3.3	1800	35	47	2.6
5030T	2800	52	70	4.2	1800	44	59	3.2
5030H	2800	63	84	4.6	1800	52	70	3.8
4045D	2500	54	72	4.2	1800	46	62	3.3
4045T	2200	67	90	4.9	1800	61	82	4.3

Take the guesswork out of estimating irrigation power requirements with our online Power Calculator: [www.JohnDeere.com/irrigation](http://www.JohnDeere.com/irrigation).



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