



TRADEWINDS[®]
POWER CORP

JOHN DEERE POWER

JOHN DEERE OPEN POWER UNITS (OPU) TIER 3 AND TIER 4

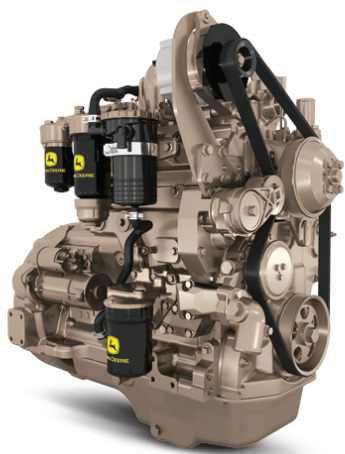
Tradewinds Power Corp (TPC) OPUs are designed, packaged, and tested to meet the power requirements of a wide range of equipment used in agricultural applications. All our systems and components are prototyped, assembled, and tested within a purpose built packaging, manufacturing, and test facility.



POWER FOR AGRICULTURE

We have Tier 3 and Tier 4 John Deere OPU's.

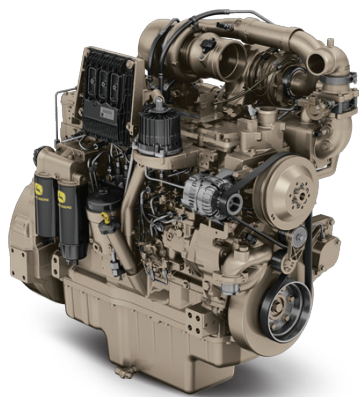
EPA emission standards are transitioning to Tier 4 final levels. Manufacturers are offering Tier 3 interim engines under the EPA flexing program as engine manufacturers transition to Tier 4 final technology requiring catalytic converters and DEF exhaust emission technology. Tradewinds Power Corp are offering both Tier 3 and Tier 4 engines to the agricultural sector.



TIER 3 DIESELS

Tier 3/Stage III A engines meet emissions requirements without sacrificing performance. New features include high-pressure common-rail fuel system, full authority electronic engine controls, and a fixed geometry turbocharger. Torque levels and transient response time meet or exceed Tier 2/Stage II.

COMPACT SIZE	Mounting points as Tier 2/Stage II
EASY TO START	John Deere Electronic Controls
WIDE POWER RANGE	Up to 600 hp for all AG applications



TIER 4 DIESELS

Incorporate the latest in engine technology to meet EPA Tier 4 final emissions levels, including incorporate catalyzed exhaust filter, high-pressure common-rail or individual unit injection, engine control unit (ECU) and DEF.

COMMON RAIL	Clean combustions & efficiency
EXHAUST FILTERS	Particulates within Tier 4 final
COMPACT POWER	Emissions not larger footprint



JOHN DEERE ENGINE TECHNOLOGY

John Deere is one of the leaders in diesel engine technology and offer OEMs a compact, economic solution in order to meet present and future emission regulations without sacrificing power, fuel efficiency, and performance.

WASTE GATED TURBO	For improved low-speed torque
2-VALVE CYLINDER	Lower cost with better breathing
LESS MAINTENANCE	500-hour oil change



COMPREHENSIVE RANGE OF OPEN POWER UNITS

Our John Deere open power units are designed to meet the requirements of a wide range of agricultural equipment needing reliable shaft horse power.

Situated in one of the principal growing areas of the United States, Tradewinds Power Corp have the engineering and market knowledge to bring to you the most reliable open power units, all designed and packaged within a purpose built facility.

VALUE WITHOUT SACRIFICING QUALITY

Our long list of repeat agricultural customers is the best testimony to our knowledge of our customers’ needs, and our ability to deliver OPU’s that meet the markets rigid standards of reliability and low cost of ownership with the most competitively priced product. We will also package to suit.

TPC MODEL	Power Rating hp (kW)				Torque	
	rpm max. hp	Max. Intermittent	Max. Continuous	1800 rpm Cont.	ft-lbs (Nm)	rpm
TIER 3 JOHN DEERE DIESEL OPUS						
TJ74-I	2,800	74 (55)	67 (195)	67 (50)	195 (285)	1,700
TJ139-I	2,400	139 (104)	115 (86)	127 (95)	317 (430)	1,500
TJ200-I	2,400	200 (149)	156 (116)	168 (125)	579 (785)	1,500
TJ275-I	2,400	275 (205)	225 (168)	248 (185)	689 (934)	1,400
TJ375-I	2,200	375 (280)	300 (224)	375 (280)	1143 (1550)	1,500
TJ601-I	2,200	601 (448)	451 (366)	594 (443)	1881 (2550)	1,600
TIER 4 JOHN DEER DIESEL OPUS						
TJ74-I4	2,400	74 (55)	66.6 (49.7)	67 (50)	224 (304)	1,700
TJ140-I4	2,400	139 (104)	99 (74)	127 (95)	398 (540)	1,500
TJ250-I4	2,400	250 (187)	200 (149)	227 (169)	738 (1000)	1,400
TJ300-I4	2,400	300 (224)	250 (187)	252 (188)	842 (1141)	1,400
TJ425-I4	2,200	425 (317)	325 (242)	357 (266)	1243 (1685)	1,400
TJ600-I4	2,200	600 (448)	500 (373)	504 (376)	2028 (2750)	1,600

The manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.



MPC-20 Engine Controller

Available on remote stand

Designed for outdoor environment

AUTOMATIC ENGINE CONTROLLER

We have developed an engine control unit for the manual and automatic starting and monitoring system that meets the rigid and challenging environment of our served agricultural equipment customers. Consider the following features:

- Full engine control and safety shut-down monitoring
- Can-based display with rich full-color graphics
- Bonded glare-free LCD screen, viewable in direct sunlight
- Easy-to-use configuration software
- Full auto-start, manual start, and off controls
- Rugged design for extreme environments

PRODUCT RELIABILITY

Farmers choose our products for performance and the low cost of ownership.

REASONS TO CHOOSE OUR JOHN DEERE OPUs

Farmers, nurseries, live stock providers, and other AG customers choose us for:

Performance

- Compact with lower footprint
- Proven technology in served market
- Best torque where you need it
- Rated to carry the load required

Cost of ownership

- 500-hour oil changes
- Replaceable cylinder liners
- Lower capital investment cost
- Best fuel consumption

The dedication of our employees is our greatest strength and we look forward to providing you with the highest quality products and service.

SUPERIOR ENGINEERING

We have over 40-years experience in packaging OPUs, generator sets and pump packages for a wide range of applications. Located in Florida, we have invested in the facilities, engineering knowhow, design resources and development expertise to offer value engineered, tried and tested equipment.

PRODUCT RELIABILITY

The John Deere engine quality is a must to match the rigid standards for quality and reliability found in all of our products. Our OPUs are designed and engineered to provide years of reliable operation in their served application with minimal cost of ownership.

WARRANTY

Complete package supplied with one-year unlimited warranty.

Self Contained Package

- Mounted on fabricated steel frame
- Clutch assembled to flywheel housing
- All moving surfaces & belts guarded
- Mounted exhaust, radiator, and filters

Engineered for Agricultural Use

- Diesels already used by AG OEMs
- Engineered for operating conditions
- Controls for powering AG equipment
- Designed for minimal maintenance



OPU power up to 600 hp

Conveniently packaged shaft power

Tier 3 and Tier 4 products

