

# LCV40 Fully Variable Fan Drive

## LS11 Nylon Fan



Perfectly paired for maximum cooling efficiency in a wide range of agricultural, construction and transportation applications.

- Rapid response eliminates over-heating and under-cooling for efficiency and lower fuel costs
- Lower off-speed reduces noise, preserves horsepower and provides effective cooling
- Engineered to enable or exceed Tier 4 final and Stage V emission standards
- Rugged, sealed design with no wear parts for long life
- 11 optimized blades minimize deflection and reduce fan stress
- Blades can be trimmed to fit engine space or airflow requirements
- Integral fan speed sensor for closed-loop cooling



*Tested together for endurance and durability, Horton LCV40 fan drives and LS11 nylon fans offer an ideal cooling solution that is compact and lightweight.*

### Di+™ Controller

The Horton LCV40 is engineered for use with Horton Fans or competitive fans and can be combined with a J-1939-compatible Di+ Controller for customized precision-cooling control.



### ENGINEERED FOR:



# LCV40 Fully Variable Fan Drive LS11 Nylon Fan



## LCV40 Fully Variable Fan Drive Specifications

Maximum torque	40 N-m [354 in.-lbs.]
Typical fan blade capacity	Configurations of 6–11 blades up to 750 mm [30 in.]
Typical engine hp range	37–93 kW [50–125 hp]
Weight*	Approx. 3 kg [6.6 lbs.]

\* Depending on mounting configurations.

## Features

*Lower idle speed  
[100 rpm or lower]*

*Double-row bearing*

*Innovative reservoir, actuator  
and valve system*

*Housing and cover with  
optimized fins*

## Benefits

Decreased parasitic loss, for more available horsepower and less fuel consumption

Increased durability and product life

Faster response time and lower off-speed for maximum efficiency

Improved heat dissipation

## Plastic LS11 Standard Fan Specifications

Diameters	450–600 mm [17.7–23.6 in.]
Rotation	Clockwise
Standard pilot diameters*	25–155 mm [1–6 in.]
Pitch width	64 mm [2.5 in.]
Weight	600 mm [23.6 in.] diameter fans = 2 kg [4.4 lbs.]
Maximum fan speed	600 mm [23.6 in.] diameter fans = 3800 rpm

\* Nonstandard pilot and bolt circles are available on special request.

## Features

*Optimized blade design*

*Innovative manufacturing  
processes allow virtually any  
pilot and bolt circle*

*Rigorously tested*

*UV-stabilized resin*

## Benefits

Minimizes deflection  
Reduces fan stress  
Increases airflow stability  
Maximizes efficiency

Compatible with Horton and competitive fan drives  
Can be fitted with adapters for hydraulic and electric motor drives

Ensures optimal cooling and durability

Improves durability in a wide range of outdoor conditions

## Committed to Your Ideal Airflow Solution

*Horton® is the premium provider of engine cooling solutions worldwide. Our culture of innovation delivers high-performance products that last and services that help you meet your commitments. Trust Horton to help your products last longer, run quieter and consume less fuel.*

Horton is IATF 16949, ISO 14001 and ISO 9001 certified.