

# YAMAHA MARINE POWER

## PROPELLERS

### PROPELLER TERMINOLOGY

#### **CUP**

Refers to the small curved lip on the blade and trailing edge. Cupping enables the prop to get a better bite, reducing ventilation and slippage.

#### **DIAMETER**

Large diameter propellers push more water to handle heavier loads, but require higher horsepower. Generally, as the pitch increases, the diameter decreases.

#### **PITCH**

The theoretical distance the prop would travel in one full revolution without slippage. Usually between 5 and 35 inches.

#### **NUMBER OF BLADES**

Three blades or four? In most applications, three blades provide good performance. In rough water, or with high engine-mounting heights such as flats boats, you may want to go with a four-blade propeller.

#### **RAKE**

The angle of the blades in relation to the hub. A high rake will provide better speed, bow lift and holding power at high speeds and in rough waters.