

# SPECIFICATIONS

## Log Splitter Specifications

Ram Force .....	27 Ton
Cycle Time .....	11 seconds
Hydraulic Tank Capacity .....	4 gal (15.1 L)
Max Log Length .....	23.8 in. (60.3 cm)
Max Log Weight .....	100 lb. (45 kg)
Coupler Ball Size .....	2 in. (5.1 cm)
Tire Size .....	16 in. (40.6 cm)
Max towing speed .....	45 MPH (72 KM/H)
Cylinder size .....	3.9 in. × 22.6 in. (10 cm × 57.5 cm)
Cylinder rod size .....	1.6 in. (4 cm)
Gear Pump .....	2-stage
Max pressure .....	4100 psi
Max flow capacity .....	11 GPM (41.6 LPM)
Control Valve .....	Detent (auto-return)
Gross Weight .....	503.3-537 lb. (228.3-243.6 kg)
Net Weight .....	434.3 lb. (197 kg)
Height .....	39.3 in. (99.8 cm)
Width .....	51.3 in. (130.2 cm)
Length .....	89.5 in. (227.3 cm)

## Engine Specifications

Model .....	YF172F-001
Displacement .....	224 cc
Type .....	4-Stroke OHV
Start Type .....	Manual

## Oil Specifications

DO NOT OVERFILL.

Type .....	See chart below
Capacity .....	0.6 qt. (0.6 L)

Recommended Oil Type / Tipo de aceite recomendado / Type d'huile recommandé								
		10W-30						
	5W-30		10W-40					
	5W-30 Synthetic / Sintético / Synthétique							
°F	-20	0	20	40	60	80	100	120
°C	-28.9	-17.8	-6.7	4.4	15.6	26.7	37.8	48.9
Ambient temperature / Temperatura ambiente / Température ambiante								

**NOTICE**

Weather will affect engine oil and engine performance. Change the type of engine oil used based on weather conditions to suit the engine needs.

## Hydraulic Oil System

Capacity ..... 5 gal. (18.9 L)

**For year round use in warmer climates (always ABOVE 32°F/ 0°C):**

- ISO 32
- Universal Hydraulic Oil

**For year round use in colder climates (BELOW 32°F/ 0°C):**

- Automatic Transmission Fluid

**Replacement filters:**

- Fram PH9342
- K&N HP-2008
- Wix 51361

## Fuel Specifications

Use regular unleaded gasoline with a minimum octane rating of 85 and an ethanol content of less than 10% by volume. DO NOT USE E15 or E85. DO NOT OVERFILL.

Gasoline Capacity ..... 0.9 gal. (3.4 L)

## Spark Plug Specifications

OEM Type .....	NHSP F6RTC
Replacement Type .....	NGK BPR6ES or equivalent
Gap .....	0.028-0.031 in. (0.7-0.8 mm)

## Valve Specifications

Intake Clearance .....	0.005-0.007 in. (0.13-0.17 mm)
Exhaust Clearance .....	0.007-0.009 in. (0.18-0.22 mm)

**NOTICE**

A technical bulletin regarding valve adjustment procedures is available at [www.championpowerequipment.com](http://www.championpowerequipment.com).

## Important Message About Temperature

Your product is designed and rated for continuous operation at ambient temperatures up to 40°C (104°F). When your product is needed it may be operated at temperatures ranging from 2°F (-10°C) to 122°F (50°C) for short periods of time. If exposed to temperatures outside this range during storage, it should be brought back within this range before operation. In any event, the product must always be operated outdoors, in a well-ventilated area and away from doors, windows and vents.

**NOTICE**

When temperature is below 32°F (0°C) use Automatic Transmission Fluid (Dexron-III or similar).