

Montana Department of Transportation Bridge Bureau Approved Construction Equipment List

| | |
|----------------------------------|--------------------|
| Make: | <i>Caterpillar</i> |
| Model: | <i>349F</i> |
| Equipment Type: | <i>Excavator</i> |
| Contractor Modifications: | <i>None</i> |

Interstate Approval Conditions

| | |
|-------------------------------|--------------------------------------|
| <i>Approval Type</i> | <i>Crossing Only</i> |
| <i>Speed:</i> | <i>10 MPH</i> |
| <i>Weight:</i> | <i>117,500 lb or less</i> |
| <i>Traffic:</i> | <i>Approved with regular traffic</i> |
| <i>Location Restrictions:</i> | <i>Remain in Painted Lane</i> |

Non-Interstate Approval Conditions

| | |
|-------------------------------|---------------|
| <i>Approval Type</i> | <i>DENIED</i> |
| <i>Speed:</i> | <i>DENIED</i> |
| <i>Weight:</i> | <i>DENIED</i> |
| <i>Traffic:</i> | <i>DENIED</i> |
| <i>Location Restrictions:</i> | <i>DENIED</i> |

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.



Examples: 'Bobcat Skid Steers', 'Komatsu Dealers', 'Groff Tractor', 'Cat 316', 'Todays News', 'Media Kit'...

Search

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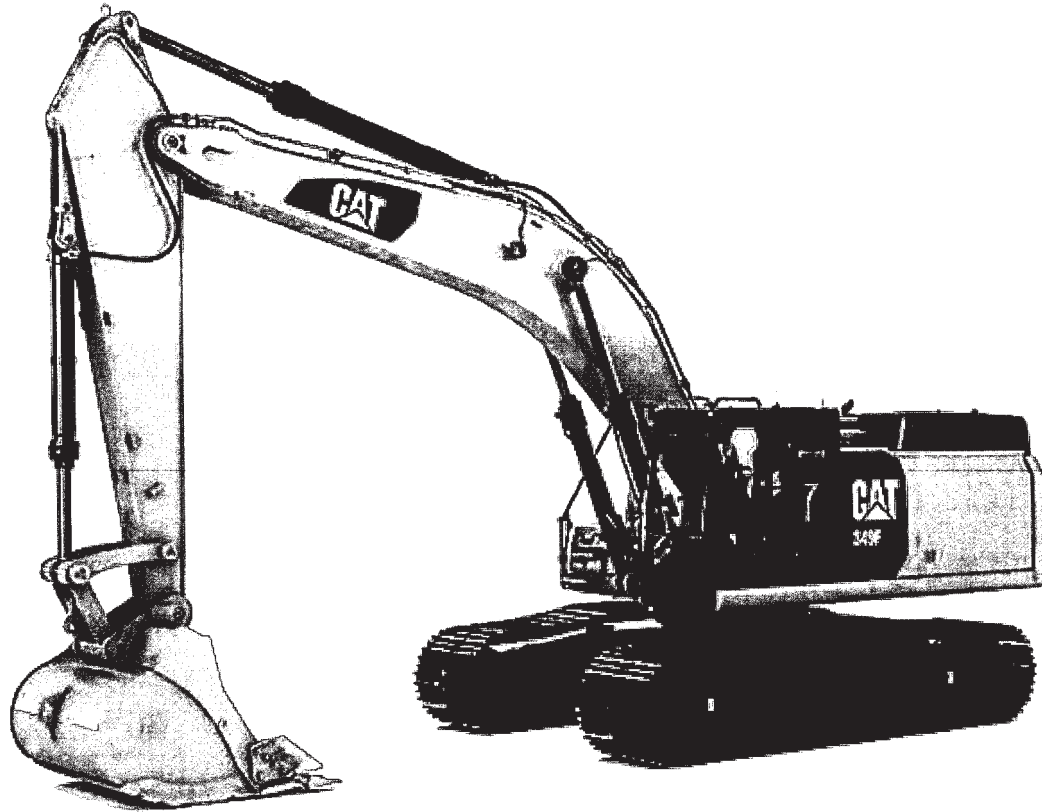
Caterpillar 349F Excavator

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CATEGORY: EXCAVATORS (See all Excavators for sale)

MANUFACTURER: CATERPILLAR (See all Caterpillar Equipment for sale)

MODEL: 349F (See all Caterpillar 349F for sale)

Boom/Stick Excavator Option 1

Max Digging Depth

26.9 ft (8 m)

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Dimensions

| | |
|--|---------------|
| Ground Clearance | 1.6 ft (0 m) |
| Height - Top of Cab | 10.6 ft (3 m) |
| Length of Track on Ground | 14.4 ft (4 m) |
| Removal Counterweight Clearance | 4.2 ft (1 m) |
| Tail Swing Radius | 12.4 ft (4 m) |
| Width to Outside of Tracks | 11 ft (3 m) |

DRIVE SYSTEM

| | |
|-----------------------------|-----------------------|
| Maximum Drawbar Pull | 75300 lbs (34,156 kg) |
|-----------------------------|-----------------------|

Engine

| | |
|---------------------|-----------------|
| Bore | 5.2 in (13 cm) |
| Displacement | 763 cu in (0 m) |

| | |
|--------------------------------|-----------------|
| Engine Model | Cat C13 ACERT |
| Gross Power | 432 hp (322 kw) |
| Gross Power - SAE J1995 | 432 hp (322 kw) |
| Net Power | 396 hp (295 kw) |
| Net Power - SAE J1349 | 417 hp (311 kw) |
| Stroke | 6.2 in (15 cm) |

Hydraulic System

| | |
|-------------------------------------|---------------------------------|
| 203 | 203 gal/min gal/min (768 l/min) |
| Boom Cylinder - Bore | 6.7 in (15 cm) |
| Boom Cylinder - Stroke | 60 in (152 cm) |
| Maximum Pressure - Equipment | 5076 psi |
| Maximum Pressure - Swing | 3989 psi |
| Maximum Pressure - Travel | 5076 psi |
| Stick Cylinder - Bore | 7.5 in (18 cm) |

| | |
|--------------------------------|------------------|
| Stick Cylinder - Stroke | 69.3 in (175 cm) |
|--------------------------------|------------------|

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| Swing System - Maximum Flow | 102 gal/min |
|------------------------------------|-------------|

Operating Specifications

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|--------------------------------------|-----------------|
| Cooling System Fluid Capacity | 13.2 gal (49 l) |
|--------------------------------------|-----------------|

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|----------------------------|-----------------|
| Engine Oil Capacity | 11.4 gal (42 l) |
|----------------------------|-----------------|

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|----------------------|-----------------|
| Fuel Capacity | 190 gal (719 l) |
|----------------------|-----------------|

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|--|-------------------|
| Hydraulic System Fluid Capacity | 150.6 gal (568 l) |
|--|-------------------|

| | |
|-------------------------|------------------------|
| Operating Weight | 117500 lbs (53,298 kg) |
|-------------------------|------------------------|

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|-----------------------------------|---------------|
| Swing Drive Fluid Capacity | 2.6 gal (8 l) |
|-----------------------------------|---------------|

Service Refill Capacities

| | |
|-----------------------|-----------------|
| Cooling System | 13.2 gal (49 l) |
|-----------------------|-----------------|

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|---------------------------|--------------|
| Final Drive - Each | 4 gal (15 l) |
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|---------------------------|-----------------|
| Fuel Tank Capacity | 190 gal (719 l) |
|---------------------------|-----------------|

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|--|-------------------|
| Hydraulic System - Including Tank | 150.6 gal (568 l) |
|--|-------------------|

| | |
|-----------------------|-------------------|
| Hydraulic Tank | 107.5 gal (405 l) |
|-----------------------|-------------------|

| | |
|---------------------------|---------------|
| Swing Drive - Each | 2.6 gal (8 l) |
|---------------------------|---------------|

Standards

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|---------------|-----------|
| Brakes | ISO 10265 |
|---------------|-----------|

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|-----------------|-----------|
| Cab/FOGS | SAE J1356 |
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Swing Mechanism

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|--------------------|---------|
| Swing Speed | 8.7 rpm |
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Undercarriage

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|---|--------|
| Number of Carrier Rollers per Side | 2 or 3 |
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|---------------------------------|----|
| Number of Shoes per Side | 52 |
|---------------------------------|----|

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|---|---|
| Number of Track Rollers per Side | 9 |
|---|---|

