

# WRECKER

**OC-160M**

## *JAPANESE SPECIFICATIONS*

MODEL	SPEC. NO.
OC-160M	OC-160M-2-00002

**OC**

# OC-160M

## CRANE SPECIFICATIONS

### CRANE CAPACITY

5.9m	Boom	16,000kg	at 3.5m	( 6 part-line)
9.35m	Boom	11,000kg	at 4.0m	( 6 part-line)
12.8m	Boom	8,000kg	at 4.5m	( 6 part-line)

### MAX. LIFTING HEIGHT

Boom 12.5m

### MAX. WORKING RADIUS

Boom 11.5m

### BOOM LENGTH

5.9m – 12.8m

### BOOM EXTENSION

6.9m

### BOOM EXTENSION SPEED

6.9m / 47s

### MAIN WINCH SINGLE LINE SPEED

High range:	82m/min	(3rd layer)
Low range:	34m/min	(3rd layer)

### MAIN WINCH HOOK SPEED

High range:	13m/min	(6 part-line)
Low range:	5.5m/min	(6 part-line)

### BOOM ELEVATION ANGLE

-8° - 68°

### BOOM ELEVATION SPEED

-8° - 68° / 36s

### SWING ANGLE

360° continue

### SWING SPEED

3.2rpm

### WIRE ROPE

16mm × 110m (Diameter × Length)  
 7×7 + 6×Fi (29) Class B ordinary · Z twist  
 Spin-resistant wire rope  
 Breaking strength 17.6t

### BOOM

3-section hydraulically sequentially telescoping boom of box construction

### BOOM EXTENSION

2 double-acting hydraulic cylinders

### HOIST

Driven by hydraulic motor and via spur gear speed reducer  
 Automatic brake with free-fall device  
 (foot brake for free-fall)

1 single winch

### BOOM ELEVATION

1 double-acting hydraulic cylinders

### SWING

Hydraulic motor driven planetary gear reducer  
 Swing bearing  
 Hand brake  
 Swing lock

### OUTRIGGERS

Fully hydraulic, front H type, rear X type (floats mounted integrally)  
 Slides and jacks each provided with independent operation device.

Full extended width 5.3m

### HYDRAULIC PUMPS

3 gear pumps

### HYDRAULIC OIL TANK CAPACITY

265 liters

### SAFETY DEVICES

Automatic moment limiter (AML-K)  
 Over-winding cutout  
 Level gauge  
 Over front area control device  
 Hook safety latch  
 Hydraulic safety valve  
 Telescopic counterbalance valve  
 Elevation counterbalance valve  
 Jack pilot check valve

### EQUIPMENTS

Crane cab heater  
 Boom angle indicator  
 Winch drum lock  
 Front jack

### OPTIONAL EQUIPMENTS

Wrecking fork device  
 Foot pedal  
 Front counterweight  
 Tractor bracket  
 Frame fixing stand  
 Front boom rest

## GENERAL DATA

### MOUNTING CARRIERS (representative examples)

MITSUBISHI	U-FV419P
Hino	U-FS3FRBA
NISSAN	U-CW530PN

**TOTAL RATED LOADS**

Unit:ton

A \ B (m)	Outriggers fully extended + Front jack (360°) Outriggers fully extended (Over the Rear · Over the Sides)			Outriggers middle extended (Over the Rear · Over the Sides)			Outriggers fully extended Outriggers middle extended (Over the Front)		
	5.9 m	9.35 m	12.8 m	5.9 m	9.35 m	12.8 m	5.9 m	9.35 m	12.8 m
3.0	16.0			16.0			6.7		
3.3	16.0	11.0		16.0	11.0		5.7	4.9	
3.5	16.0	11.0		13.1	11.0		5.0	4.5	
4.0	13.0	11.0		9.9	9.5		3.8	3.5	
4.5	10.5	9.8		7.8	7.5		3.0	2.8	
5.0	8.5	8.9	8.0	6.0	6.1	6.3	2.4	2.2	2.0
5.5		8.3	6.8		5.1	5.25		1.8	1.7
6.0		7.65	6.4		4.35	4.45		1.4	1.4
6.5		7.0	5.9		3.7	3.8		1.1	1.2
7.0		6.4	5.5		3.2	3.35		0.8	1.0
7.5		5.5	5.2		2.75	2.95		0.6	0.8
8.0		4.9	4.9		2.4	2.6		0.5	0.6
9.0			4.1			2.0			0.3
10.0			3.3			1.65			
11.0			2.65			1.2			
11.5			2.3			1.0			

A = Boom length B = Working radius

**NOTES:**

1. The total rated loads shown are for the case when the crane is set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability .
2. The weights of slings and hooks (main winch hook : 190kg, ) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection of the boom.
4. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 2.7t for each lobe.

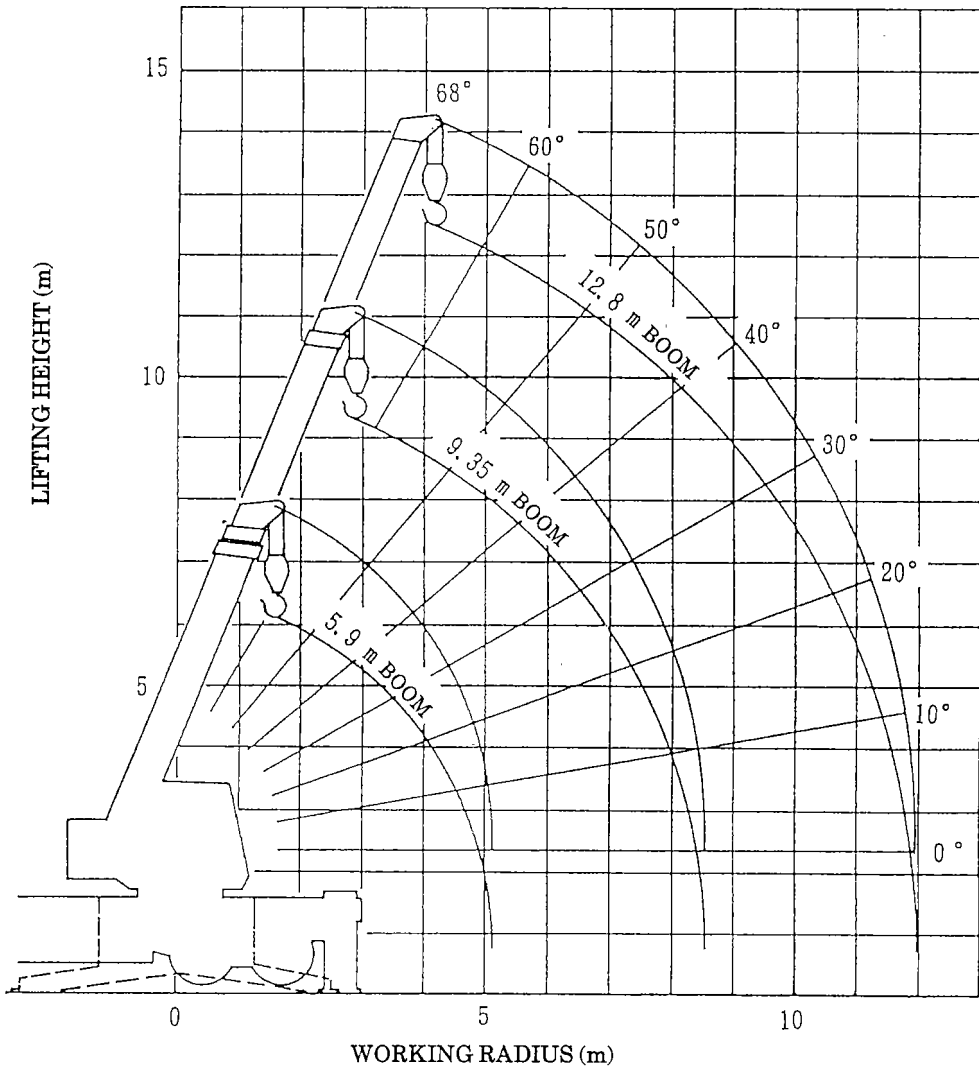
A	5.9 m	9.35 m	12.8 m
H	6	6	6

A = Boom length H = No. of part-line

5. As a rule, free-fall operations should be performed only when lowering the hook alone. If a hoisted load must be lowered by free-fall operation, the load must be kept below 1/5th of the total rated load and sudden braking operations must be avoided.

# WORKING RADIUS - LIFTING HEIGHT

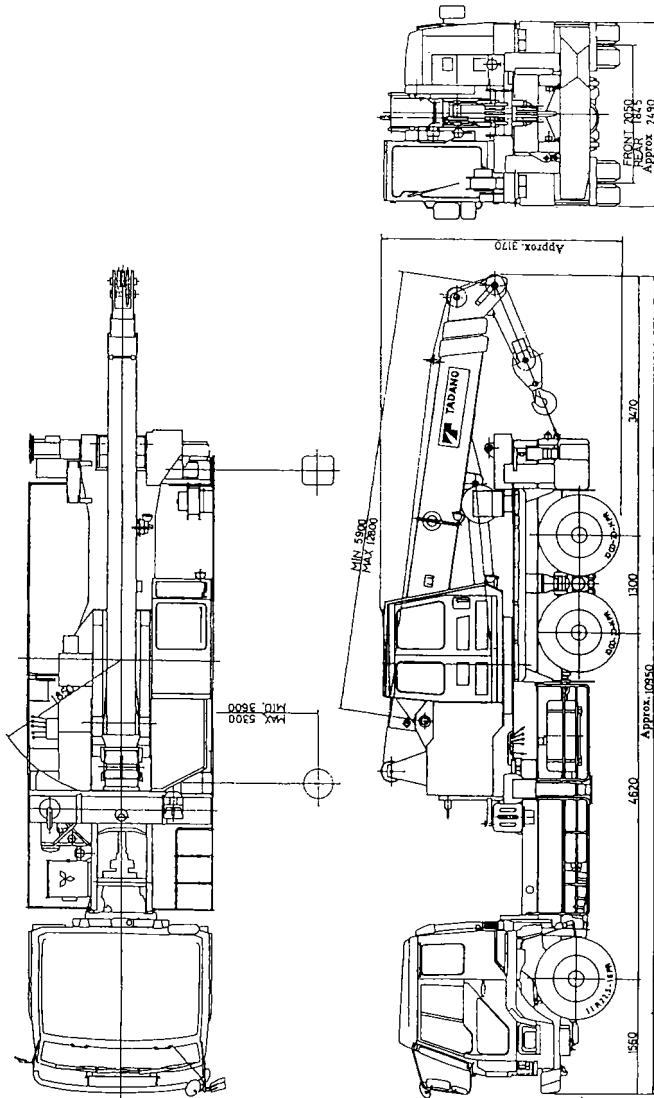
Front outrigger ..... H type  
 Rear outrigger ..... X type



**NOTES:**

1. The deflection of the boom is not incorporated in the figure above.

**DIMENSIONS** (1/100)



**NOTES:** May differ according to type of mounting carrier.  
This drawing shows the carrier MITSUBISHI U-FV419P