

V O L V O



Volvo Excavators 40.2-42.8 t 230 kW

# EC400

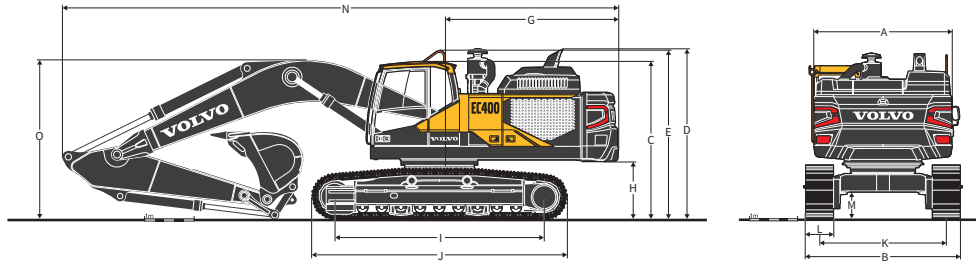
Volvo Construction Equipment

# Specifications

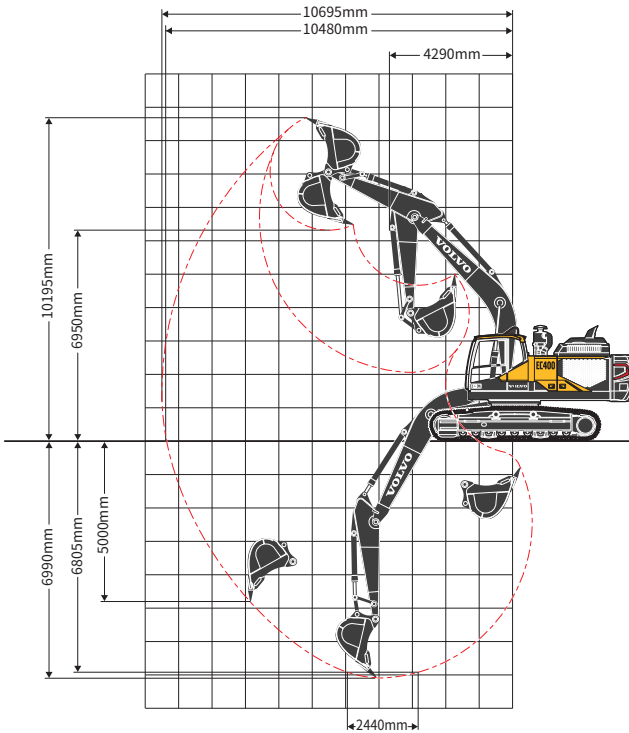
## KEY PERFORMANCE

Engine		
Engine	Volvo	D13J
Max. power at	r/min	1 700
Net, ISO 9249/SAE J1349	kW	229
Gross, ISO 14396/SAE J1995	kW	230
Max. torque	Nm	1 692
at engine speed	r/min	1 275
Hydraulic system		
Max. flow	l/min	2 x 300
Relief valve setting pressure		
Implement	MPa	32.4/35.3
Travel circuit	MPa	35.3
Swing circuit	MPa	27.9
Travel system		
Max. tractive force	kN	277
Max. travel speed (low/high)	km/h	3.3/5.1
Gradeability	°	35
Swing system		
Max. swing speed	r/min	10.2
Max. swing torque	kNm	131

Service Refill		
Fuel tank	l	472
DEF/AdBlue® tank	l	62.5
Hydraulic system, total	l	500
Hydraulic tank	l	225
Engine oil	l	42
Engine coolant	l	60
Swing reduction unit	l	6.5
Travel reduction unit	l	2 x 6.8
Operating weight		
Boom length	m	6.45
Arm length	m	2.6
Bucket capacity	m³	2.0-2.2
Shoe width	mm	600
Operating weight	Kg	40170
Max. Digging Force (ISO)		
Breakout force (bucket)	kN	242.7
Tearout force (arm)	kN	219.1



## WORKING RANGES



## DIMENSIONS

Description	Unit	EC400
Boom	m	6.45
Arm	m	2.6
A. Overall width of upper structure	mm	2 990
B. Overall width	mm	3 340
C. Overall height of cab	mm	3 220
D. Overall height of diffuser	mm	3 465
E. Overall height of handrail	mm	3 440
Overall height of guardrail (Unfolded)	mm	3 685
Overall height of guardrail (Folded)	mm	3 215
G. Tail swing radius	mm	3 600
H. Counterweight clearance*	mm	1 150
I. Tumbler length	mm	4 240
J. Track length	mm	5 180
K. Track gauge	mm	2 740
L. Shoe width	mm	600
M. Min. ground clearance*	mm	500
N. Overall length	mm	11 310
O. Overall height of boom	mm	3 580

\* Without shoe grouser

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