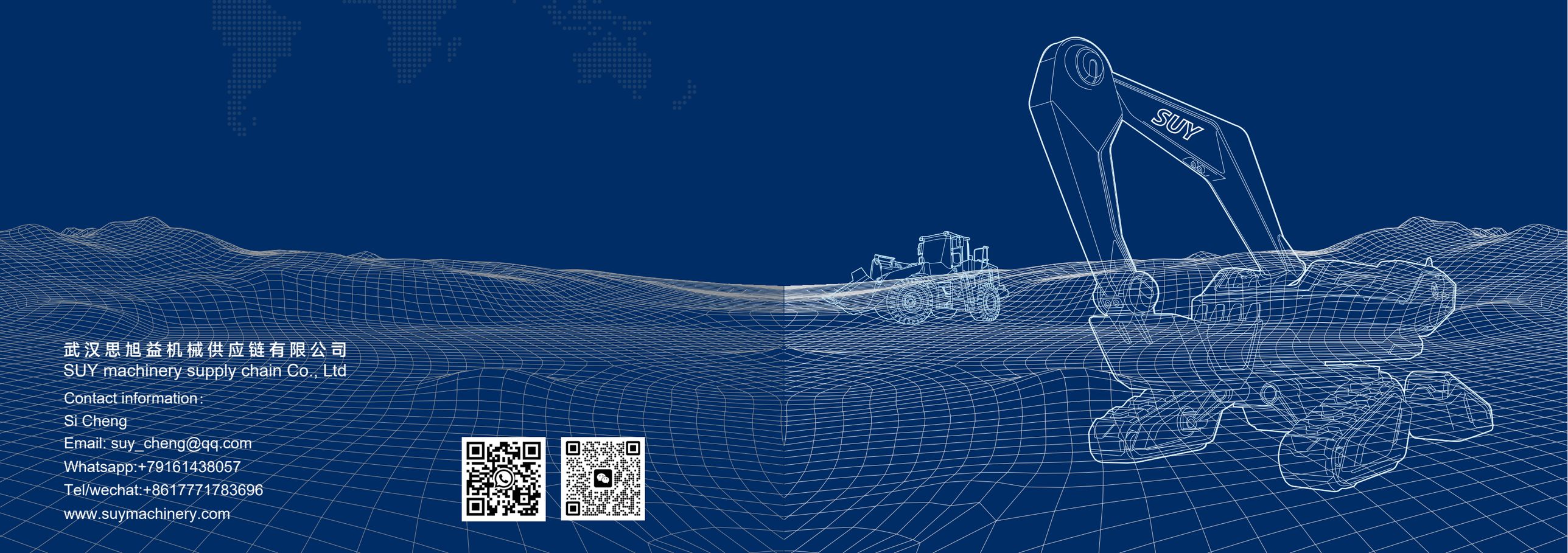
SUY

Product Manual



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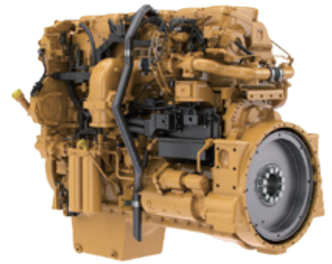
SUY machinery supply chain Co., Ltd. is a comprehensive international trading company focusing on construction machinery, established in 2023, headquartered in Wuhan, China.

Based on the construction machinery service industry, SUY machinery supply chain should follow the trend of market changes and the direction of national macro-policy, grasp the strategic concept of national "Belt and Road" and focus on Russia, to expand into Belarus, Turkey, Iran, South Africa and other emerging international markets, the main export equipment: excavators, loaders, bulldozers, graders, engines, and accessories. By the end of the Sep 2025, the total export volume exceeded 300 million yuan, with a good customer reputation.

C15 ACERT PROPULSION ENGIN

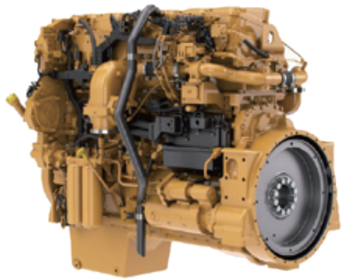


主要参数

In-line 6, 4-Stroke-Cycle Diesel

Aspiration	TA	
Bore x Stroke	5.4 x 6.5 in	137 x 165 mm
Displacement	891 cu in	14.6 liter
Rotation (from flywheel end)	Counterclockwise	
Engine dry weight (approx)	3226 lb	1464 kg

C18 ACERT PROPULSION ENGIN



主要参数

In-line 6, 4-Stroke-Cycle Diesel

Aspiration	TA, TTA	
Bore x Stroke	5.7 x 7.2 in	145 x 183 mm
Displacement	1106 cu in	18.1 liter
Rotation (from flywheel end)	Counterclockwise	
Engine dry weight (approx) – TTA	3788 lb	1718 kg
TA	3686 lb	1672 kg

C32 ACERT PROPULSION ENGIN



主要参数

Vee 12, 4-Stroke-Cycle Diesel

Aspiration	TTA, TA	
Bore x Stroke	5.7 x 6.4 in	145 x 162 mm
Displacement	1959 cu in	32.1 liter
Rotation (from flywheel end)	Counterclockwise	
Engine dry weight (approx)	5617-5803 lb	2548-2632 kg

3512B PROPULSION ENGIN



主要参数

Vee 12, 4-Stroke-Cycle Diesel

Aspiration	TA	
Bore x Stroke	6.7 x 7.5 in	170 x 190 mm
Bore x Stroke[2]	6.7 x 8.5 in	170 x 215 mm
Displacement	3158 cu in	51.8 liter
Displacement[2]	3576 cu in	58.6 liter
Rotation (from flywheel end)	Counterclockwise or clockwise	
Engine dry weight (approx)	14,398-14,411 lb	6531-6537 kg

3512C PROPULSION ENGIN



主要参数

Vee 12, 4-Stroke-Cycle Diesel

Aspiration	TA	
Bore x Stroke	6.69 x 8.46 in	170 x 215 mm
	6.69 x 7.48 in	170 x 190 mm
Displacement	3574 cu in	58.6 liter
	3161 cu in	51.8 liter
Rotation (from flywheel end)	Counterclockwise	
Engine dry weight (approx)	15,139-16,338 lb	6867-7411 kg

3516B PROPULSION ENGIN



主要参数

Vee 16, 4-Stroke-Cycle Diesel

Aspiration	TA	
Bore x Stroke	6.7 x 7.5 in	170 x 190 mm
Bore x Stroke[2]	6.7 x 8.5 in	170 x 215 mm
Displacement	4210 cu in	69 liter
Displacement[2]	4766 cu in	78 liter
Rotation (from flywheel end)	Counterclockwise or clockwise	
Engine dry weight (approx)	17,185-17,699 lb	7795-8028 kg

3516C PROPULSION ENGIN

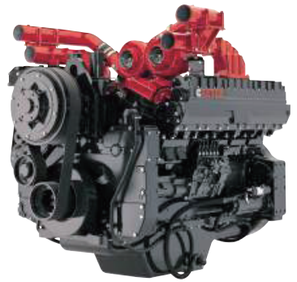


主要参数

Vee 16, 4-Stroke-Cycle Diesel

Aspiration	TA	
Bore x Stroke	6.69 x 7.48 in	170 x 190 mm
	6.69 x 8.46 in	170 x 215 mm
Displacement	4211 cu in	69 liter
	4765 cu in	78 liter
Rotation (from flywheel end)	Counterclockwise	
Engine dry weight (approx)	17,921-20,649 lb	8129-9366 kg

QST30 For Mining Applications

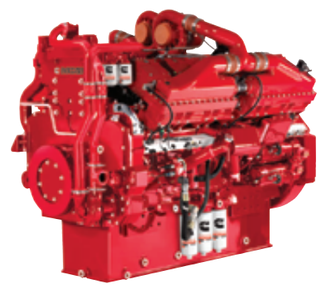


主要参数

VEE, 6-CYLINDER

Aspiration	Turbocharged/charge Air Cooled/2p2l	
Displacement	1861 cu in	30.5 liters
Advertised Horsepower	760-1200 hp	567-895 kw
Bore And Stroke	5.51 in x 6.50 in	140 mm x 165 mm
Wet Weight	7,434 lb	3,372 kg

QSK45 Engines For Mining Applications



主要参数

60° Vee 12-Cylinder

Aspiration	Turbocharged and Aftercooled	
Displacement	2,746 cu in	45 literS
Bore and Stroke	6.25 in x 7.48 in	159 mm x 190 mm
Dry Weight	12,815 lb	5,813 Kg
Wet Weight	13,200 lb	5,987 Kg

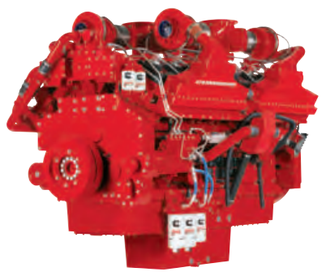
QSK50 Tier 4 Engine For Mining Applications



主要参数

Aspiration	Two-Stage, Turbocharged, Aftercooled and Intercooled	
Displacement	3069.5 cu in	50.3 literS
Bore and Stroke	6.3 in x 6.3 in	159 mm x 159 mm
Length	12,815 lb	5,813 Kg
Width	72.9 in	1852 mm
Height	73.9 in	1878 mm
Engine Type	V-16	

QSK60 Tier 4 Final For Mining Applications



主要参数

60° vee, 16-cylinder

Aspiration	Two-stage,TurbochargedAftercooled and Intercooled	
Displacement	3,661 cu in	60.0 liters
Bore And Stroke	6.26 in x 7.48 in	159 mm x 190 mm
Dry weight	19,423 lb	8,810 kg
Wet Weight	20,424 lb	9,264 kg

QSK78 Tier 4 Engine For Mining Applications



主要参数

Aspiration	Two-Stage Turbocharged, Intercooled and Aftercooled	
Displacement	4,735 cu in	77.6 liters
Bore and Stroke	6.69 in x 7.48 in	170 mm x 190 mm
Dry Weight	26,506 lb	12,023 kg
Wet Weight	27,137 lb	12,309 kg

KTA19 Marine Propulsion and Auxiliary Engines for Commercial and Recreational Applications



主要参数

In-line, 6-cylinder, 4-stroke diesel

Aspiration	Turbocharged / Aftercooled	
Displacement	19 L (1150 in³)	
Bore And Stroke	159 X 159 mm (6.25 X 6.25 in)	
Rotation	Counterclockwise facing flywheel	
Weight	4570 lb	2073 kg

KTA38 Marine Propulsion and Auxiliary Engines for Commercial and Recreational Applications



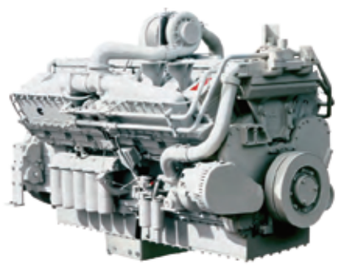
主要参数

V-12 cylinder, 4-stroke diesel

Aspiration	Turbocharged / Aftercooled	
Displacement	38 L (2300 in³)	
Bore And Stroke	159 X 159 mm (6.25 X 6.25 in)	
Rotation	Counterclockwise facing flywheel	
Weight	9300 lb	4218 kg

KTA50

Marine Propulsion and Auxiliary Engines
for Commercial and Recreational Applications



主要参数

V-16 cylinder, 4-stroke diesel

Aspiration	Turbocharged / Aftercooled
Displacement	50 L (3067 in³)
Bore And Stroke	159 X 159 mm (6.25 X 6.25 in)
Rotation	Counterclockwise facing flywheel
Weight	11389 lb 5166 kg

PC1250

Hydraulic
excavator



主要参数

Horsepower	514 kw 688 hp / 1800 min^{-1}
Operating Weight	116800 kg
Bucket Capacity	6.50 – 7.20 m³
Model	komatsu saa6d170e-5
Type	4-cycle, water-cooled, direct injection

PC2000-11

Hydraulic
excavator



主要参数

Horsepower	1065 HP 794 kW @ 1800 rpm
Operating Weight	201930 – 207258 kg
Bucket Capacity	12.0–13.7 m³
Model	Komatsu SAA12V140E-7*
Type	Water-cooled, 4-cycle, direct injection

DX150W

Wheel
excavator



主要参数

Engine Power	103 kW (138 HP) / 2,000 rpm
Operating Weight	13,520 kg
Bucket Capacity	0.57 m³
Model	DOOSAN DL06
Type	Inline, turbocharged 6 cylinders

DX225LC Hydraulic excavator



主要参数

Maximum power	174 hp
Operating Weight	23.3 t
Bucket Capacity	1.28 m³
Model	Develon DL06V
Displacement	5890 cm³

DX300LC Hydraulic excavator



主要参数

Maximum power	271 hp
Operating Weight	31.5 t
Bucket Capacity	1.75 m³
Model	Develon DL08V
Displacement	7640 cm³

DX800 HD Hydraulic excavator



主要参数

Engine Power	402kW/2,100rpm
Operating Weight	80,000kg
Bucket Capacity	4.64-5.58m³
Model	Pat Perkins 2506J
Displacement	15.2L

DX1000LC Wheel excavator



主要参数

Engine Power	470Kw
Operating Weight	97,900kg
Bucket Capacity	6.8m³
Model	Perkins Tier3 emissions
Displacement	18.1L

EC220 Hydraulic excavator



主要参数

Maximum power	129 kW
Operating Weight	22.1 t
Bucket Capacity	1.1-1.4 m³
Model	Volvo D6J
Displacement	5.7 L

EC300 Hydraulic excavator



主要参数

Maximum power	189 kW
Operating Weight	30.2-36.8 t
Bucket Capacity	1.69 m³
Model	Volvo D8M
Displacement	7.7 L

EC360 Hydraulic excavator



主要参数

Engine Power	220 kW
Operating Weight	37.1 t
Bucket Capacity	2.0 m³
Model	Volvo D8M
Maximum power speed	1600 r/min

SY200C Hydraulic excavator



主要参数

Engine Power	118kW/2000rpm
Operating Weight	21500kg
Bucket Capacity	1.0 m³
Model	Mitsubishi 4M50
Displacement	4.899 L

SY305H Hydraulic excavator



主要参数

Engine Power	210kW/1900rpm
Operating Weight	31500kg
Bucket Capacity	1.8 m³
Model	Isuzu Motors 6HK1
Displacement	7.79 L

ZX490LCH-5A Hydraulic excavator



主要参数

Engine Power	257 kW
Operating Weight	47,200 kg - 47,700 kg
Bucket Capacity	2.1 m³ - 3.0 m³
Model	GH-6UZ1XKSA-01
Displacement	9.8 L

ZX500LCH-5A Hydraulic excavator



主要参数

Engine Power	257kW
Operating Weight	48,800kg - 49,000kg
Bucket Capacity	2.5-3.0 m³
Model	GH-6UZ1XKSA-01
Displacement	9.8 L

ZX900LCH-6A Hydraulic excavator



主要参数

Engine Power	382 kW
Operating Weight	85,400 kg
Bucket Capacity	5.0 m³ - 6.0 m³
Model	6WG1-XDQAG-01B-C4
Displacement	15.68 L

R976 Hydraulic excavator



主要参数

Engine Power	400 kW / 544 HP
Operating Weight	90,800 – 92,600 kg
Bucket Capacity	4.4-5.6 m³
Model	Liebherr D9508
Standard	Stage IIIA / Tier 3
Displacement	16.16 L

R9150 Hydraulic excavator



主要参数

Engine Power	565 kW / 757 HP
Operating Weight	130,000 kg
Bucket Capacity	8.8-9.6 m³
Model	Liebherr D9508
Standard	V/Tier 4f

HD465-8 Off-highway Truck



主要参数

Horsepower	775 HP 578 kW
Nominal Payload	61.0 US tons 55.0 metric tons
Body Capacity	Heaped (SAE 2:1): 44.7 yd3 34.2 m³
Model	Komatsu SAA6D170E-7*
Piston Displacement	23.15 ltr 1,413 in³

HD605-8 Off-highway Truck



主要参数

Horsepower	775 HP 578 kW
Nominal Payload	69.4 US tons 63.0 metric tons
Body Capacity	Heaped (SAE 2:1): 52.3 yd3 40.0 m³
Model	Komatsu SAA6D170E-7*
Piston Displacement	23.15 ltr 1,413 in³

HD785-8 Off-highway Truck



主要参数

Horsepower	1200 HP 895 kW @ 1900 rpm
Rated Payload	101.6 US tons 92.2 metric tons
Body Capacity	Heaped (SAE 2:1): 78.5 yd3 60.0 m³
Model	Komatsu SAA12V140E-7*
Piston Displacement	30.48 ltr 1,860 in³

773E Off-highway Truck



主要参数

Total power	530 kW	710 hp
Operating Weight	99 300 kg	219,000 lb
Bucket capacity	35.2 m³	46 yd³
Model	Cat® 3412E	
Piston Displacement	27 L	1,649 in³

777D Off-highway Truck



主要参数

Nennleistung	715 kW/972 PS
Operating Weight	161,028 kg
Muldeninhalt (SAE 2:1)	60,1 m³
Nutzlast	96 t

DT90B Off-highway Truck



主要参数

Total mass	90 t
Rated load capacity	60 t
Model	430 horsepower in Weichai Power
Standard container capacity	30 m³
External dimensions	9150x3640x3980 mm

D65EX-16 Crawler bulldozer



主要参数

Horsepower	155 kW 207 HP @ 1950 rpm
Operating Weight	19510 kg 43,010 lb
Model	Komatsu SAA6D114E-3
Type	4-cycle, water-cooled, direct injection
Piston Displacement	8.27 ltr 505 in³

D475-8 Crawler bulldozer



主要参数

Engine Power	697 kW / 934 HP @ 2.000 rpm
Operating Weight	112.620 kg
Blade Capacity	27,2 m³
Model	Komatsu SAA12V140E-7
Displacement	30,48 L

D8 Crawler bulldozer



主要参数

Net Power	264 kW (354 hp)
Operating Weight	40 233 kg (88,698 lb)
Model	Cat® C15
Displacement	15.2 L
Emissions	Tier 4 Final/Stage V / Korea Tier 4 Final

D9 Crawler bulldozer



主要参数

Engine Power	337 kW / 452 hp
Operating Weight	49 988 kg / 110,225 lb
Model	Cat C18
Displacement	18.1 L
Emissions	U.S. EPA Tier 2 or Tier 3 equivalent

DL550-7 Wheel loader



主要参数

Maximum power	380 hp
Operating Weight	33.7 t
Bucket capacity	5.7 m³
Model	Scania DC13
Displacement	12700 cm³
Emission standard	Stage V

L220H Wheel loader



主要参数

Engine Power	273 kW/371 hp
Operating Weight	31.1-33.1 t
Bucket capacity	4.5-8.2 m³
Model	Volvo D13E
Maximum power speed	21.7-23.3r/s (1,300–1,400 r/min)

L586 Wheel loader



主要参数

Engine output	263 kW 358 hp
Tipping load	20,300–22,500 kg
Bucket capacity	5.5 –8.5 m³
Operating weight	32,600–33,700 kg
Emission standard	IV – only for select markets / V

16 Motor Grader



主要参数

Base Power	216 kW	290 hp
Weight	32 411 kg	71,454 lb
Engine Model	Cat® C13	
Displacement	12.5 L	763 in³
Emissions	U.S. EPA Tier 4 Final/EU Stage V/ Japan 2014 (Tier 4 Final)	

S530 Slip Loader



主要参数

Engine power	36.5 kw
Operating Weight	2815 kg
Engine Model	Kubota V2403
Displacement	2.433 L
Torque	158.6 Nm

S550 Slip Loader



主要参数

Engine power	50.7 kw
Operating Weight	2995 kg
Engine Model	Doosan/D24
Displacement	2.4 L
Torque	252 Nm

S590 Slip Loader



主要参数

Engine power	50.7 kw
Operating Weight	3069 kg
Engine Model	Doosan/D24
Displacement	2.4 L
Torque	252 Nm

Construction machinery parts















KOMATSU | VOLVO | DEVELON | Kubota

CAT | Cummins Power Technology | HITACHI | WEICHAI 潍柴

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