

SANY

FORGING THE FUTURE TOGETHER



Rated power

630 kW/1487 rpm

Bucket capacity

10 m³

Operating weight

165000 kg

SY1650E

Mining Excavator

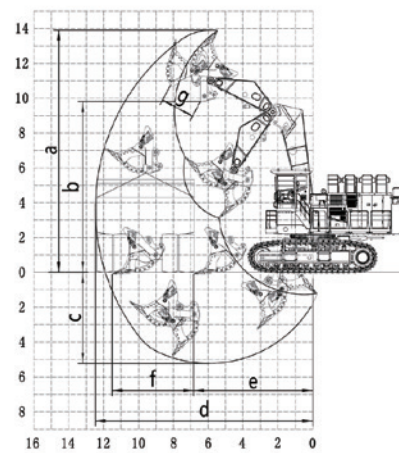
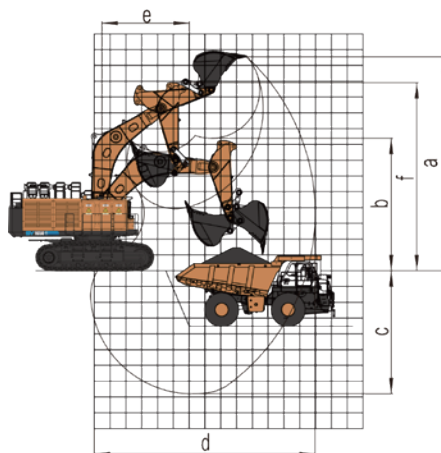
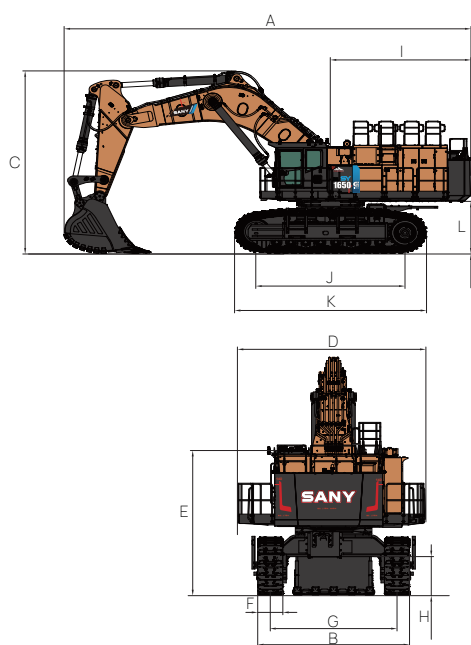
TECHNICAL SPECIFICATION

SPECIFICATION	UNIT	VALUE
Operating weight(backhoe/front shovel)	kg	165000/172000
Bucket capacity(backhoe/front shovel)	m ³	10/8.3
Electric motor	-	ABB
Motor model	-	630kW-6kV-4P
Type	-	Asynchronous AC
Rated power	kW/rpm	630/1487
Rated torque	N-m	4046

MAIN PERFORMANCE	UNIT	VALUE
Swing speed	rpm	4.7
Traveling speed (high/low)	km/h	3.1/2.1
Gradeability	°	27
Ground pressure (backhoe/front shovel)	kPa	151.7/158.1
Bucket digging force (backhoe/front shovel)	kN	616/755
Arm digging force (backhoe/front shovel)	kN	590/653
Travel traction force (backhoe/front shovel)	kN	803/945

DIMENSIONS

OVERALL DIMENSIONS	UNIT	VALUE
A. Overall length(backhoe/front shovel)	mm	15370/17257
B. Lower width	mm	4910
C. Overall height(backhoe/front shovel)	mm	6400/5442
D. Overall width(backhoe/front shovel)	mm	5780/6027
E. Overall height(top of cab) (backhoe/front shovel)	mm	4750/5880
F. Standard track shoe width	mm	810
G. Track gauge	mm	4100
H. Min. ground clearance	mm	1260
I. Tail swing radius	mm	5398
J. Track ground length	mm	5750
K. Track length	mm	7420
L. Upper platform ground clearance	mm	2220



WORKING RANGE

WORKING RANGE (backhoe)	UNIT	VALUE
a. Max.digging height	mm	13550
b. Max.dumping height	mm	8390
c. Max.digging depth	mm	7800
d. Max.digging reach	mm	13970
e. Min. swing radius	mm	6830
f. Max. height at minimum swing radius	mm	11910

WORKING RANGE (front shovel)	UNIT	VALUE
a. Max.digging height	mm	13890
b. Max.dumping height	mm	9810
c. Max.digging depth	mm	5230
d. Max.digging reach	mm	12470
e. Min.push distance	mm	6830
f. Push distance	mm	4680
g. Bucket opening width	mm	1990

Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This flyer is for reference only, and goods in kind shall prevail. Copyright at SANY. No part of this brochure may be copied or used for any purpose without written approval from SANY.

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