



Howotruck (Phils) Corporation

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SUNWARD EXCAVATOR - SWE230E 1.20 CBM

Operating Weight	:	22.6t (steel track)
Engine Power	:	125kW/2100rpm
Engine Brand	:	ISUZU
Standard Bucket Capacity	:	1.20m ³
Max. Digging Depth	:	6.685m

PARAMETER

ENGINE

Brand	:	ISUZU
Model	:	CC-6BG1TRP
Type	:	6-cylinder 4-stroke water-cooled
Displacement	:	6.494L
Power	:	125kW/2100rpm

ELECTRIC SYSTEM

Nominal Voltage	:	24V
Batteries	:	120Ah
Alternator	:	24V-50A
Starter	:	24V-4.5kW

DRIVE

Max Travel Speed(2nd/1st)	:	5.6/3.5 km/h
Gradeability	:	35°
Max. Traction	:	230kN

UNDERCARRIAGE

Undercarriage Width	:	2990mm
Tumbler Distance	:	3655mm
Track Length	:	4450mm
Shoe Width	:	600mm

DIMENSIONS

Counterweight Clearance	:	1070mm
Tail Swing Radius	:	2750mm
Shipping Length	:	9550mm
Shipping Width	:	2990mm
Shipping Height	:	3165mm

WORKING RANGES

Max. Cutting Height	:	9830mm
Max. Loading Height	:	6950mm
Max. Digging Depth	:	6685mm
Max. Vertical Wall Digging Depth	:	6085mm
Max. Digging Reach	:	9980mm
Max. Reach at Ground Level	:	9810mm
Bucket Digging Force	:	161.3kN
Stick Digging Force	:	113.3kN
Ground Pressure	:	45.8kPa
Swing Speed	:	13.4rpm

CAPACITY

Fuel Tank	:	370L
Hydraulic Oil Tank	:	250L

HYDRAULIC SYSTEM

Main Pumps	:	
Type	:	2 piston pumps
Displacement	:	2x246L/min
Working Pressure	:	31.4/34.3 MPa

Load Capacity

Y(m)	2m		3m		4m		5m		6m		7m		8m		MAX	
	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)
8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*3320	*3320
7.0	-	-	-	-	-	-	-	-	*4149	*4149	-	-	-	-	*3023	*3023
6.0	-	-	-	-	-	-	-	-	*4220	*4220	*4258	3788	-	-	*2878	*2878
5.0	-	-	-	-	-	-	-	-	*4549	*4549	*4376	3770	-	-	*2825	*2825
4.0	-	-	-	-	*6840	*6840	*5697	*5697	*5054	4876	*4659	3701	*4240	2846	*2840	2662
3.0	-	-	-	-	*8532	*8532	*6684	6354	*5657	4706	*5028	3605	4482	2805	*2915	2498
2.0	-	-	-	-	*10137	8565	*7650	6056	*6271	4530	*5419	3500	4421	2749	*3053	2415
1.0	-	-	-	-	*11213	8193	*8430	5814	*6805	4376	5466	3403	4362	2695	*3263	2402
0.0	-	-	*4440	*4440	*11711	8005	*8931	5654	6929	4262	5383	3328	4317	2653	*3567	2461
-1.0	*4213	*4213	*7325	*7325	*11769	7943	*9135	5572	6853	4194	5334	3284	4300	2637	4007	2605
-2.0	*7460	*7460	*10750	*10750	*11471	7964	*9037	5556	6832	4176	5328	3278	-	-	4654	2865
-3.0	*10956	*10956	*13955	13458	*10800	8052	*8593	5602	6871	4211	5388	3332	-	-	5350	3310
-4.0	*15346	*15346	*12292	*12292	*9625	8213	*7650	5717	*5931	4324	-	-	-	-	*5513	4112
-5.0	-	-	*9703	*9703	*7562	*7562	*5568	*5568	-	-	-	-	-	-	*5412	*5412

Notes:

- 1) Load with * is limited by hydraulic capacity and based on ISO 10567. Rated loads do not exceed 87% of hydraulic capacity.
- 2) Load without * is limited by tipping load and based on ISO 10567. Rated loads do not exceed 75% of tipping load.

PHOTO FOR REFERENCE ONLY

Working Ranges

