

CONSTRUCTION EQUIPMENT

SUNWARD
INNOVATION LEADS TO VALUE

MEDIUM EXCAVATOR

SWE400F

Engine Power: **343 HP / 252 KW**

Machine Weight: **86,421 LB / 39,200 KG**

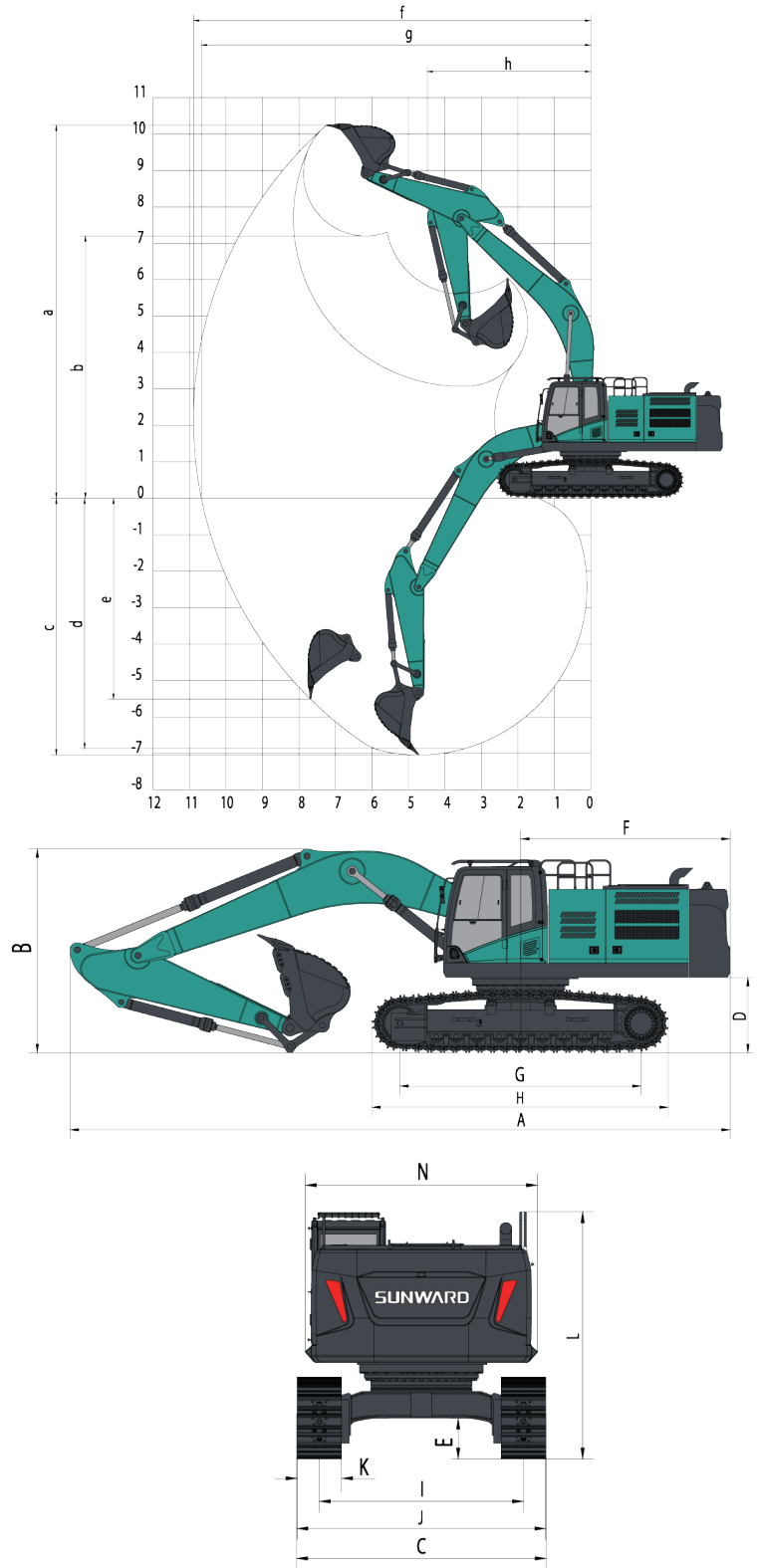


TECHNICAL PARAMETERS

Performance parameters		
working weight	39200 kg	86421 lb
Standard bucket capacity	2.0 m³	2.6 yd³
Performance		
Bucket Digging Force	249 kN	55977 lbf
Boom Digging Force	207 kN	46535 lbf
Max. Traction	348 kN	78233 lbf
Max climbing angle	70 %	70 %
Ground Pressure	69.6 kPa	10.1 psi
Travel Speed(Max/Min)	5.4/3.1 km/h	3.3/1.9 mph
Swing speed	9 rpm	9 rpm
Oil tank capacity		
Fuel Tank	700 L	184.9 Gal
Hydraulic Oil Tank	475 L	125.5 Gal
Engine		
Brand	Cummins	Cummins
Model	L9S5-C338	B6.7-129-SV
Power	252/1800 kw/rpm	343/1800 HP/rpm
Max torque	1526/1400 N.m/rpm	1125/1400 lbf.ft/rpm
Displacement	8.9 L	543.1 in³
Hydraulic system		
Main pump	Brand	Hengli
	Model	V90N180
	Type	Variable plunger pump
	Max flow	2×324 L/min
	Working Pressure	34.3 MPa
Pilot pump	Type	Gear pump
	Max flow	27 L/min
	Working Pressure	3.9 MPa
AUX-1 pipe flow(breaker)		85.6 gpm
AUX-2 pipe flow		9.2 gpm
Main valve	Brand	Hengli
	Model	HVME270B
Swing motor	Brand	Hengli
	Model	HM5X180CHB/FSM180A
Travel motor	Brand	Eddie
	Model	FTM60A

Working range			
	Boom length	6500 mm	21.3 in
	Arm length	2800 mm	9.2 in
a	Max. Cutting Height	10375 mm	34.0 in
b	Max. Loading Height	7175 mm	23.5 in
c	Max. Digging Depth	7020 mm	23.0 in
d	Digging Depth(2.44 meter)	6855 mm	22.5 in
e	Max. Vertical Wall Digging Depth	5500 mm	18.0 in
f	Max. Digging Reach	10925 mm	35.8 in
g	Max. Reach at Ground Level	10705 mm	35.1 in
h	Min swing radius in the front	4510 mm	14.8 in

Outline dimension							
A	Total length	11400 mm	37.4 in	H	Track Length	5115 mm	16.8 in
B	Total height	3630 mm	11.9 in	I	Shoe distance	2740 mm	9.0 in
C	Total width	3350 mm	11.0 in	J	Track width	3340 mm	11.0 in
D	Counterweight Clearance	1300 mm	4.3 in	K	Shoe Width	600 mm	2.0 in
E	Chasis ground clearance	550 mm	1.8 in	L	Max height of total machine	3330 mm	10.9 in
F	Tail swing radius	3615 mm	11.9 in	N	Swing width	3120 mm	10.2 in
G	Track length on the ground	4160 mm	13.6 in				

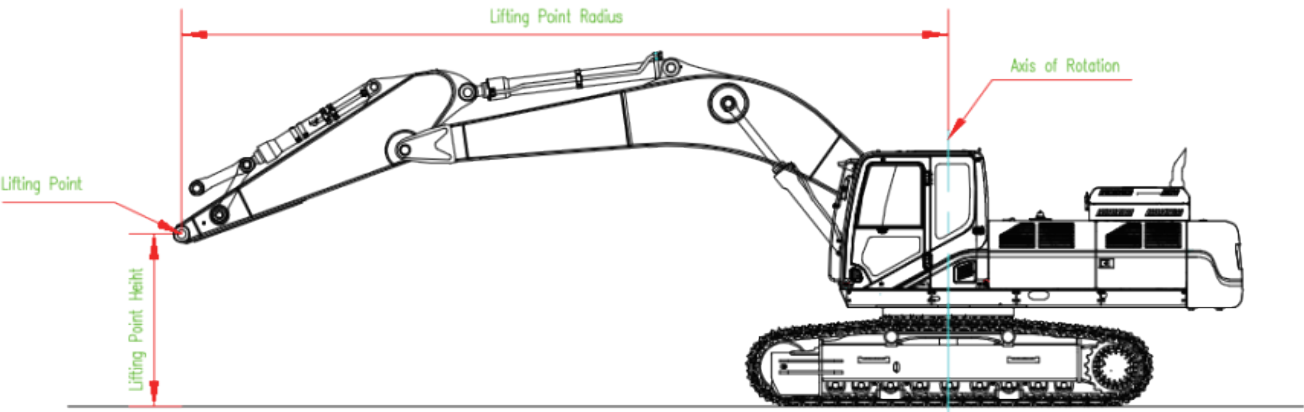


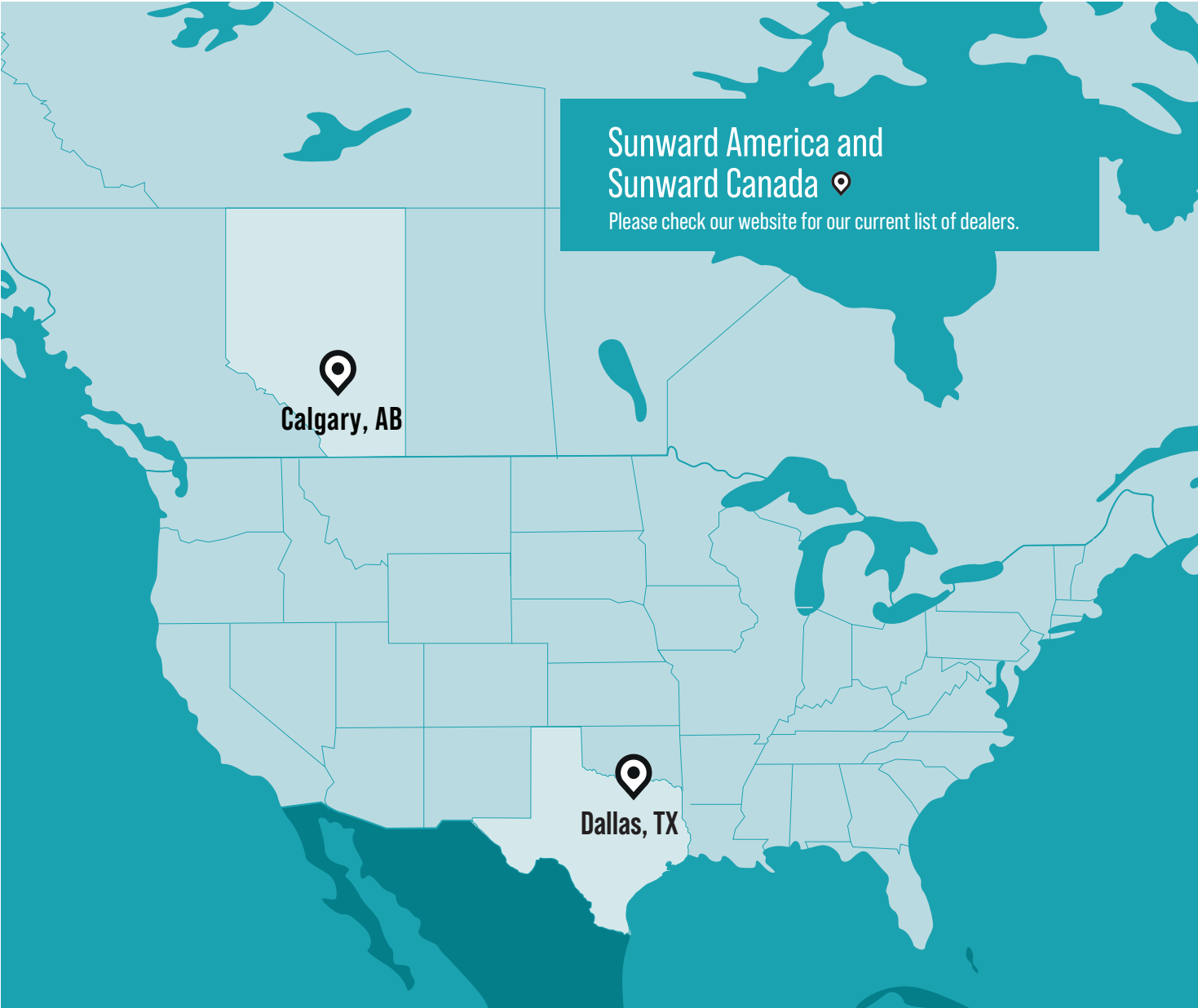
★The above parameters may be different due to product upgrading.

400F-5 lifting capacity

Lift Point height (mm/in)	Lift Point Radius (5m 16ft)		Lift Point Radius (6m 20ft)		Lift Point Radius (7m 23ft)		Lift Point Radius (8m 26ft)		Lift Point Radius (9m 29ft)	
	Machine front (kg/lb)	Machine side (kg/lb)	Machine front (kg/lb)	Machine side (kg/lb)	Machine front (kg/lb)	Machine side (kg/lb)	Machine front (kg/lb)	Machine side (kg/lb)	Machine front (kg/lb)	Machine side (kg/lb)
7000 23	/	/	/	/	9845 21703	7770 17130	/	/	/	/
6000 20	/	/	/	/	10618 23408	9776 21552	10106 22279	7668 16904	9875 21771	6155 13570
5000 16	12990 28637	12538 27641	11549 25460	9478 20895	10637 23451	7487 16507	10084 22232	6076 13394	/	/
4000 13	14851 32740	11909 26255	12663 27917	9109 20081	11325 24967	7264 16014	10471 23084	5948 13112	/	/
3000 10	16698 36813	11280 24869	13814 30454	8734 19255	12064 26596	7029 15496	10925 24086	5803 12792	9895 21815	4864 10723
2000 7	18170 40058	10783 23772	14828 32689	8407 18533	12749 28107	6812 15018	11365 25055	5663 12484	9812 21633	4788 10555
1000 3	19057 42014	10466 23074	15569 34324	8160 17990	13288 29296	6636 14630	11494 25340	5545 12224	9743 21480	4724 10414
0 0	19379 42723	10303 22715	15972 35211	8003 17643	13609 30003	6514 14361	11404 25141	5463 12044	/	/

- Notes:
1. The value with * symbol is the rated lifting capacity (calculated out in accordance with 87% of the test data);
 2. The value without * symbol is the anti-tipping capacity (calculated in accordance with 75% of the test data).
 3. A: the distance from swing center to the vertical line of heavy object; B: the distance from bucket mounting pin and horizontal plane.





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