

# FORKLIFT TRUCK ||| SCP140A-6

**WORKING RANGE**

SPECIFICATIONS		
GENERAL		
Rated Load Capacity	30,870 lbs	14 000 kg
Load Center	24"	610 mm
Load Distance	35"	891 mm
Wheelbase	130"	3 300 mm
Hydraulic Tank Capacity	45 gal	170 l
Fuel Tank Capacity	50 gal	190 l
WEIGHTS		
Total Truck Weight without Load	40,120 lbs	18 300 kg
Axle Loading with Load		
Front	66,360 lbs	30 100 kg
Rear	4,630 lbs	2 100 kg
Axle Loading without Load		
Front	21,380 lbs	9 700 kg
Rear	18,740 lbs	8 500 kg
WHEELS		
Tire Type	Pneumatic	
Tire Size		
Drive	12.00-20 18PR	
Steer	12.00-20 18PR	

**LIFTING PERFORMANCE**

PERFORMANCE		
SPEED		
Travel		
With Load	15.5 mph	25 km/h
Without Load	16.8 mph	27 km/h
Lifting		
With Load	69 ft/min	0.35 m/s
Without Load	79 ft/min	0.40 m/s
Lowering		
With Load	98 ft/min	0.5 m/s
Without Load	94 ft/min	0.48 m/s
DRAWBAR		
Pull-Max	30,350 lbf	135 kN
GRADEABILITY @ 1 MPH (1.6 KM/H)		
With Load	37%	

POWERTRAIN		
ENGINE		
Type	Cummins QSB 6.7 Diesel	
Emmissions Type	EPA Tier 4 Final	
Output		
Rated	164 hp	122 kW
Governed Speed	2,300 rpm	
Cylinders		
Number	6	
Disp	6.7 l	
Turbocharger	Variable geometry	
ALTERNATOR		
Amps	24V	120A
Drive Axle	Kessler D81	
Transmission	Dana TE10	
GEARS		
Forward	3	
Reverse	3	
BATTERY		
Capacity	24 V 120 Ah	
BRAKES		
Service	Wet Disc	
Parking	Dry Disc	
TANK CAPACITY		
DEF	5 gal	19 l

MAST		
TYPE		
Duplex		
*Height Maximum	148"	3 761 mm
*OALH	140"	3 545 mm
*Extended	212"	5 380 mm
*Freelift	-	-
Fork Type	Pin	
Carriage Type	Hook	

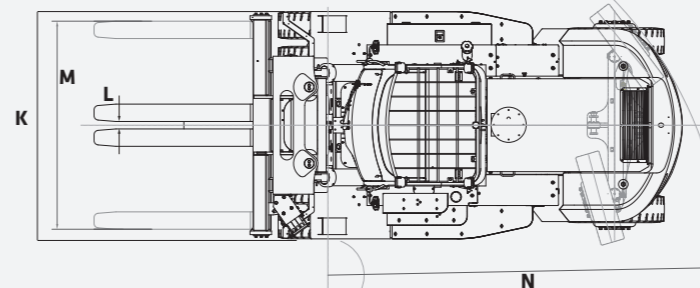
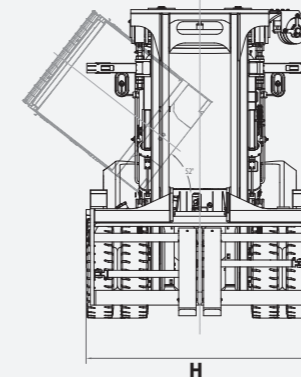
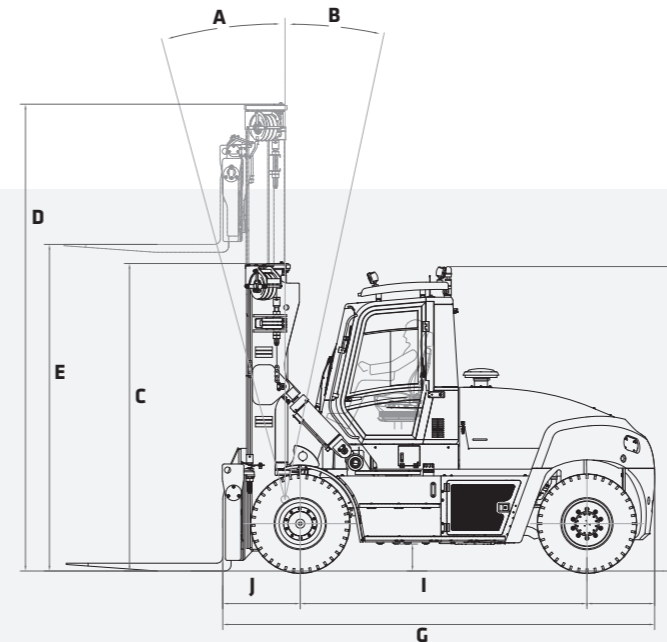
\* All imperial numbers have been rounded to the nearest whole number.  
\*Additional mast heights available

**STANDARD FEATURES**

- ➔ Enclosed cab with automatic climate control and with a high back, cloth, air suspension seat
- ➔ Powered tilting cab
- ➔ Backup camera with object detection system
- ➔ Powerful Cummins engine

**30,870 lbs**  
Rated Load Capacity  
**40,120 lbs**  
Weight Without Load  
**130"**  
Wheelbase  
**Cummins Diesel**  
Engine

**DIMENSIONS**



DIMENSIONS		
MAST		
A	Forward Tilt	12°
B	Back Tilt	15°
C	Height Lowered	140" 3 545 mm
D	Height Extended	212" 5 380 mm
E	Lift Height	148" 3 760 mm
OVERALL		
F	Cab height	138" 3 510 mm
G	Length to Load Face	196" 4 970 mm
H	Width	103" 2 618 mm
I	Wheelbase	130" 3 300 mm
J	Load Distance	35" 891 mm
FORK		
	Thickness	3.5" 90 mm
	Width	8" 200 mm
	Length	96" 2 440 mm
CARRIAGE		
K	Width	99" 2 520 mm
FORK SPREAD		
L	In-In Minimum	3.4" 86 mm
M	Out-Out Maximum	94.3" 2 396 mm
GROUND CLEARANCE		
	Minimum Ground Clearance	11.8" 300 mm
AISLE WIDTH		
	With Load Length	319" 8 102 mm
TURNING RADIUS		
N	Outside	180" 4 571 mm

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.  
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\*Warranty applies to 2023 Forklift, Container Handler and Reach Stacker models only.

STANDARD AND OPTIONAL EQUIPMENT

s = standard / o = optional

SCP140A-6	ENGINE
s	QSB 6.7l Cummins Diesel with 164HP @ 2,300rpm
s	Tier 4 Final EPA Emissions Compliant
s	High Intake, Long Life Air Filter w/ Safety Element
s	Fuel Filter with Water Separator
s	Variable Geometry Turbocharger
s	500-Hr Engine-Oil-Change Interval
s	Electronic Controlled
s	24V, 70A Alternator
	DRIVETRAIN
s	Dana TE-10 Transmission
s	3 FWD & 3 REV gears
s	Kessler D81 Drive Axle
s	Heavy Duty Wet Disc Brakes
s	Electronically Actuated Parking Brake
s	6 x 12.00-20 Pneumatic Tires
	MAST
s	Duplex Mast, MFH 148", OALH 140", EXT 212"
o	Duplex Mast, MFH 196", OALH 164", EXT 261"
s	Pin Type Carriage
o	Apron Type Carriage
s	Simultaneous and Independent Fork Positioner
o	Side Shift Carriage
s	96" x 7.87" x 3.54" Pin Type Forks
	CABIN
s	High Visibility Enclosed Cabin w/ Curved Glass
s	Grammer Air Suspension Cloth Seat
s	Climate Control with A/C and Heat
s	Ergonomic Multifunction Joystick
o	Individual Hydraulic Control Levers
s	Telescoping and Tilting Steering Column

STANDARD AND OPTIONAL EQUIPMENT

s = standard / o = optional

SCP140A-6	CABIN (CONTINUED)
s	Steering Wheel Spinner Knob
s	AM/FM Radio with 2 Speakers and USB Connectivity
s	Front, Rear and Top wiper
s	Top Retractable Sun Shade
s	12V/24V Power Supply
s	Push Button Applied Park Brake
s	Reading Light
s	Exterior Cabin Mounted Mirrors
s	Powered Tilting Cabin for Ease of Maintenance
	ACCESSORIES
s	Reverse Camera w/ 7" Color Display
s	Rear Object Detection Sensor up to 10"
s	Common Greasing Points for Steer Axle and Mast
s	Automatic Engine Fire Extinguisher
s	Locking Fuel Cap
o	Travel Speed Limiter
o	Integrated Tire Pressure Monitoring System
o	Extreme Cold Climate Package (Fuel, Engine and Hydraulics)
o	Customized Colors or Labels
s	Lockable Battery Disconnect Switch
o	Steer Wheel Lug Nut Protection
o	Rear Lifting Eyes
	LIGHTS
s	2 Front Fender Mounted LED Lights
s	2 Front Cab Mounted LED Lights
s	2 Rear Cab Mounted LED Lights
s	2 Mast Mounted LED Working Lights
s	Indicator and Hazard lights
s	Rotating Amber Beacon
o	Additional LED Lights