



Doosan Infracore
Forklifts

Pneumatic Diesel Forklift Trucks

D110 / 130 / 160S-5

11,000kg to 16,000kg Capacity

PRO5
SERIES



Operator friendly features include:

• Spacious Operator compartment

Wide operator leg room, tiltable steering column and ergonomically located operator pedals with a low cowl height facilitate ease of operation.

• Optional Deluxe Operator Cab

The all round visibility and deluxe operator cab is newly designed for maximum comfort of climate control.

Highly visible front, top glass, side slide windows and numerous options will make operators feel right at home on the job.

• Deluxe Suspension Seat

Full suspension deluxe seat with 6 directional adjustments keeps operators fresh and productive throughout the shift.

• Integrated Instrument Panel

The centralized and integrated easy-to-read instrument panel maximizes operator efficiency. Fuel gauge, engine hour meter, air pressure gauge, engine oil pressure, coolant and transmission temperature gauge keeps operator aware of all vehicle performance systems

• Pilot Actuated Hydraulic Control Valve and levers

with minimal valve throw provides smooth and responsive hydraulics for superb operator control.

• Wide Foot Steps and Grab Bar

Wide and large open foot steps with anti-skid surface and a conveniently positioned overhead guard pillar grab bar provide effortless entry and exit.

• Built in Air conditioning Duct and Grills (with Optional Operator Cab)

are operator friendly positioned for maximum comfort in any environment.



DRIVE DOOSAN !

WE'VE COMBINED POWER WITH EFFICIENCY TO GIVE YOU THE MOST PRODUCTIVE TRUCK IN THIS PRODUCT RANGE.

- **Low emission, High power and Fuel Efficient 5.9 Liter Diesel Engine**

Doosan DL06 turbo-intercooler (air cooler) diesel engine complies with EPA Tier III and Euro Stage 3 emission regulations. The electric governed engine control system provides high performance and low fuel consumption rates for excellent economical operation. Six cylinders, Common Rail Direct Injection, full range electrical governor and a heavy duty fuel filter with water separator, all add up to a powerful and efficient power plant.



- **High Powered Turbo charger Doosan DE08TS 8.1 Liter Diesel Engine**

Doosan DE08TS, turbo charger diesel engine, is low emission engine to meet Euro Stage-2 and EPA Tier- II emission regulation. Six Cylinders, Direct injection, In-line vertical, Overhead 2 valves system, Bosch in-line multi injection holes, Full range mechanical governor, 24 volt electrical system, Ventilated 61-Amp Alternator, Enclosed positive 6.0kw starter, Dual-element air cleaner, Spin-on oil filter, Heavy duty fuel filter with water separator.



- **Fully Electric controlled Autoshift Transmission**

provides electronic inching enabling even massive loads to be moved with great precision. Fully capable of shifting under power, soft gear shifting is achieved with 3 forward and 3 reverse gears. Maintenance requirements and service life are greatly enhanced.



- **Hydraulic Motor Driven Remote Cooling Fan**

A large capacity cooling fan driven by a remote hydraulic motor effectively manages operating temperatures to enhance engine wear and productive capacity.



DRIVE DOOSAN !

A HALLMARK OF DURABILITY, RELIABILITY AND SERVICEABILITY

Doosan forklift trucks are designed with longevity in mind. A Doosan truck has specific design elements that enhance the reliability of its parts for decreased wear and tear and increased endurance. Count on the reliability of a Doosan forklift truck for peace of mind allowing you to concentrate on aspects of your business besides material handling

- **A Planetary Type Drive Axle**

Planetary drive axle assembly with steel housing features hardened load-bearing spindles and full-floating axle shafts with positive oil flow to all gears and bearings, four-pinion, hypoid differential and radically floating sun and ring gear.



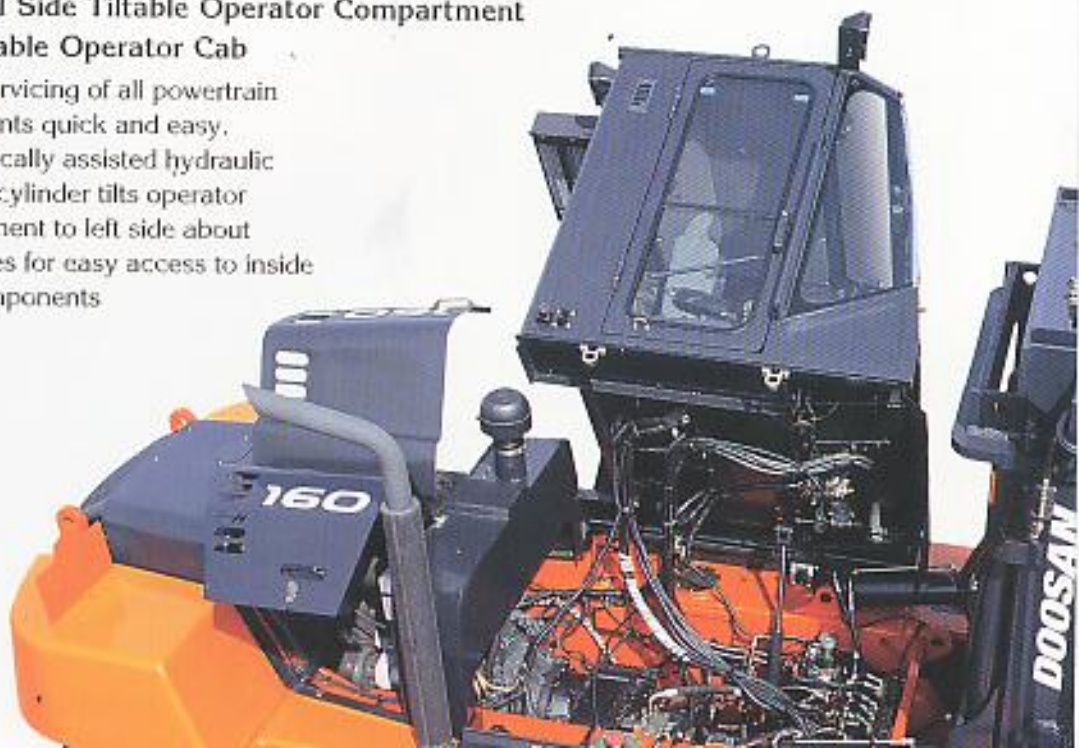
- **Pre-Cleaner and Dual Element Air Cleaner**

Heavy duty air cleaning system extend engine service life and allows clean, cool air into the engine intake system.



- **Optional Side Tiltable Operator Compartment and Tiltable Operator Cab**

makes servicing of all powertrain components quick and easy. An electrically assisted hydraulic actuated cylinder tilts operator compartment to left side about 65 degrees for easy access to inside truck components



**PROVEN QUALITY,
RESPONSIVE SERVICE AND
A RELIABLE PARTNER....**

Doosan's goal is to make your material handling operations as efficient and reliable as possible.

After sales servicing of Doosan forklift trucks is available from both the selling dealership and Doosan's own customer service center. And Doosan provides 100% parts inventory to insure any downtime is minimized.

When you own a Doosan forklift truck, our high quality, responsive customer support team comes with it.

The Doosan network starts with your local dealer and ends with a national team of highly qualified and experienced personnel standing ready to support all your material handling needs.



DRIVE THE DIFFERENCE...

11,000/13,000/16,000 kg Capacities

Engine Powered Forklift Trucks

Pneumatic Tire, Diesel

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer		DOOSAN	DOOSAN	DOOSAN				
	2	Model		D110S-5	D130S-5	D160S-5				
	3	Load Capacity	at rated load center	kg	11,000	15,000	16,000			
	4	Load Center		mm	600	600	600			
	5	Power Type	Elec, Diesel, LPG, Gasoline		Diesel	Diesel	Diesel			
	6	Operator Type			driver seated	driver seated	driver seated			
	7	Tire Type	P, Pnu, E, Solid Soft, C, Cush		P	P	P			
	8	Wheels (x-Driven)	Front / Rear		2 x 2 / 2	2 x 2 / 2	2 x 2 / 2			
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	mm	3,600	3,600	3,600			
	10	Free Lift		mm	0	0	0			
	12	Fork Carriage	ISO Class		-	-	-			
	13	Forks	Length x Width x Thickness	mm	1,350 x 200 x 70	1,350 x 200 x 85	1,350 x 200 x 85			
			Fork Spacing(Min x Max)	mm	470 x 2,140	470 x 2,140	470 x 2,230			
	14	Tilt of Mast	Forward/Backward	deg	15 / 12	15 / 12	15 / 12			
	15	Overall Dimensions	Length to Fork Face	mm	4,340	4,340	4,715			
			Overall Width	mm	2,350	2,350	2,490			
			Mast Lowered Height	mm	2,970	2,970	3,170			
			Mast Extended Height	mm	4,470	4,470	4,670			
			Overhead Guard Height	mm	2,765	2,765	2,928			
20	Seat Height		mm	1,600	1,680	1,820				
21	Turning Radius	Minimum outside	mm	4,040	4,040	4,400				
22	Load Moment Center		mm	755	760	815				
23	Wale 90 degree stacking(add load length & clearance)		mm	4,790	4,790	5,195				
PERFORMANCE	24	Travel Speed	Loaded/Unloaded	km/h	33.0 / 36.0	33.0 / 36.0	29.0 / 33.0			
	25	Lifting Speed	Loaded/Unloaded	mm/s	450 / 490	430 / 490	410 / 450			
	26	Lowering Speed	Loaded/Unloaded	mm/s	480 / 430	480 / 430	430 / 410			
	28	Max. drawbar pull	Loaded at 1.0 mph(1.6 km/h)	kg	6,060	8,060	10,460			
30	Max. gradeability	Loaded at 1.0 mph(1.6 km/h)	%	30	29.5	28.5				
WEIGHT	32	Total Service Weight, Unloaded		kg	15,540	15,540	16,800	16,800	18,900	18,900
	33	Axle Load	Loaded, Front / Rear	kg	23,340 / 3,200	23,340 / 3,200	26,500 / 3,300	26,500 / 3,300	31,870 / 3,000	31,870 / 3,030
			Unloaded, Front / Rear	kg	7,110 / 8,430	7,110 / 8,430	7,300 / 9,500	7,300 / 9,500	8,680 / 10,220	8,680 / 10,220
CHASSIS	36	Tires	Number of wheels (F/R)		4 / 2	4 / 2	4 / 2			
			Size, Front		10.00 x 20 - 16PR	10.00 x 20 - 16PR	12.00 x 20 - 18PR			
			Size, Rear		10.00 x 20 - 16PR	10.00 x 20 - 16PR	12.00 x 20 - 18PR			
	38	Wheel Base	Distance	mm	2,850	2,850	3,150			
	39	Track Width	Front / Rear	mm	1,724 / 1,860	1,724 / 1,860	1,825 / 1,910			
	40	Ground Clearance	Loaded at the lowest point	mm	270	270	270			
			Loaded at center of wheelbase	mm	360	360	370			
	42	Brakes	Service		Foot / Air	Foot / Air	Foot / Air			
43		Parking		Hand / Air	Hand / Air	Hand / Air				
POWER TRAIN	45	Battery	Voltage / Ampere	VAH	24(12 x 2) / 100	24(12 x 2) / 100	24(12 x 2) / 100			
	49	Engine	Manufacturer		Doosan	Doosan	Doosan			
			Model		DL06	DE00TS	DL06	DE00TS		
			Rated Power (DIN)	HP/PS/rpm	140 / 2,100	140 / 2,200	140 / 2,100	140 / 2,200	160 / 2,100	160 / 2,200
				kW/rpm	103 / 2,100	103 / 2,200	103 / 2,100	103 / 2,200	118 / 2,100	118 / 2,200
			Maximum Torque	kgm/rpm	59 / 1,400	55 / 1,400	59 / 1,400	55 / 1,400	67 / 1,400	63 / 1,400
	52	Cylinders/ Displacements	CC	6 / 5,890	6 / 6,071	6 / 5,890	6 / 6,071	6 / 5,890	6 / 6,071	
	55		Type		Full Autoshift	Full Autoshift	Full Autoshift			
Number of Speed (Fwd/Rev)				3 / 3	3 / 3	3 / 3				
57	Hydraulic Pressure	System	bar	190	190	210				
		Attachment	bar	140	140	140				

Note: Specification values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions.

Products and specifications are subject to improvement and change without prior notice.