



ACE

neo⁺ Diesel Forklifts

Capacity : 2.0-3.0 Tons

High Performance & Rugged Forklifts

ACE INDIA'S NO. 1
CRANE BRAND





STANDARD SPECIFICATIONS

General	Manufacturer				ACE			
	Model				AF 20D		AF 30D	
	Power				Diesel			
	Load Capacity			Kg	2000		3000	
	Load Center			mm	500			
	Fork Size (LxWxT)			mm	1070x122x40		1070x125x45	
	Transmission	Number of Speeds - Fwd / Rev			1/1 (Automatic) or 2 / 2 (Manual Shift)	2 / 2 (Fluid coupling with Manual Shift)	1/1 (Automatic) or 2 / 2 (Manual Shift)	2 / 2 (Fluid coupling with Manual Shift)
Weight	Service Weight			Kg	3400	3900	4410	4900
	Weight Distribution (SD/DD)	With Load	Front	Kg	4765	5225	6520	6980
			Rear	Kg	635	675	890	920
		Without Load	Front	Kg	1555	1800	1780	2030
			Rear	Kg	1845	2100	2630	2870
Wheels & Tyres	Tyres				Pneumatic			
	Drive (Single/Dual), No of Wheels (Front x Rear)				2x2 / 4x2 (Optional)			
	Tyres Size	Front			7.00-12-12PR		28x9-15-12PR	
		Rear			6.00-9-10PR		6.50-10-10PR	
Performance	Speed (s)	Travel (Fwd / Rev)	With Load	Km/h	17.5	17	18.5	17
			Without Load	Km/h	20	18	20	18
		Lifting	With Load	mm/s	400	400	300	300
			Without Load	mm/s	500	500	375	375
		Lowering	With Load	mm/s	550	550	560	560
			Without Load	mm/s	500	500	350	350
	Gradeability	(Laden/Unladen)		% (Deg)	19.5/20 (11.03/11.31)		18.5/19.5 (10.48/11.03)	
	Brake (s)	Service			Hydraulic-Foot Pedal			
		Parking			Mechanical-Hand Lever			
		Battery	Voltage / Capacity		V / Ah	12/70		
Drive	Engine	Make			ACE	/	Simpson	
		Rated Horsepower		bhp/rpm	49 bhp @ 2650	/	48 bhp @ 2200	
		Rated Torque		Nm @ rpm	148@1800	/	195@1400	
		Emission Norms			BS-3			
		Number of Cylinders			4			
		Displacement		Ltrs.	2.54	/	3.3	
Others	Fuel Tank Capacity			Ltrs.	60			
	Operating Pressure for Attachment			Kg / cm2	175			

MAST DETAILS

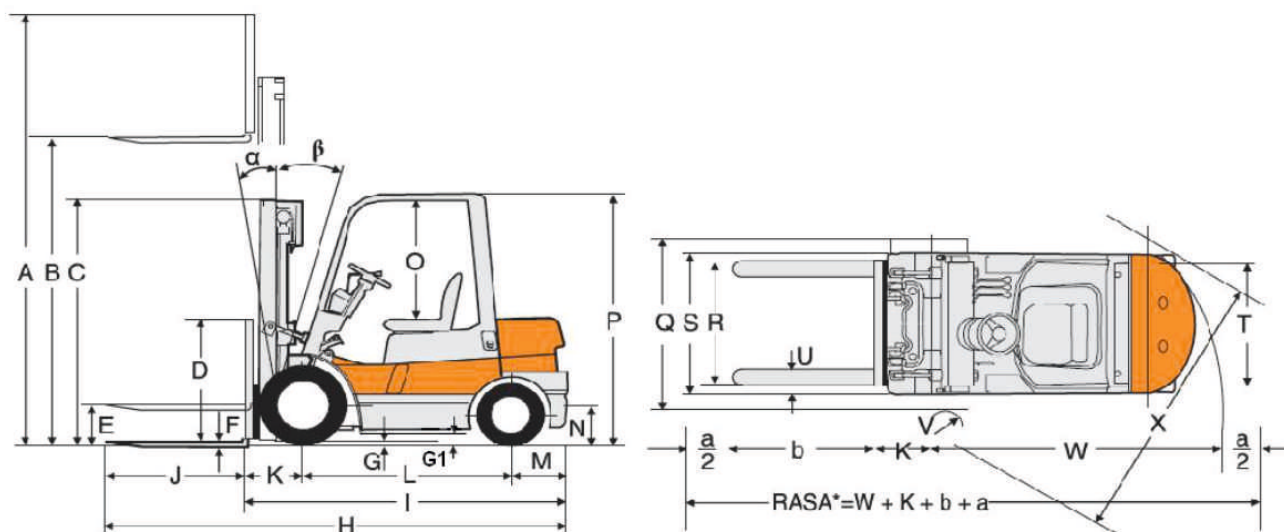
Mast type	Max Fork Height (mm)	Load Capacity @ MFH (Kgs)		Overall Height Lowered (mm)		Overall Height Raised (mm)		Free Lift (mm)		Tilt Angle (α/β)	Weight of Forklift (Kgs) (with single drive)
		AF20D	AF30D	AF20D	AF30D	AF20D	AF30D	AF20D	AF30D		AF30D
Double Mast (Std.)	3000	2000	3000	2035	2050	3980	3995	150	150	6° / 12°	4235
Double Mast (Fullfree) *	3000	2000	3000	2035	2050	3980	3995	1500	1500	6° / 12°	4430
Double Mast (Std.)	3600	2000	3000	2275	2290	4350	4365	150	150	6° / 12°	4425
Triple Mast (Fullfree) *	4500	1600/1800**	2200/2700**	2060	2080	4030	4045	1500	1500	6° / 6°	4580
Triple Mast (Fullfree)	6000	800/1500**	1050/1950**	2585	2600	5080	5095	1940	1940	3° / 6°	4730
Triple Mast (Fullfree)	7200	600/1150**	850/1650**	3025	3040	5970	5985	2525	2525	3° / 3°	4865

* Suitable for container stuffing

** With front dual wheels

SD - Single Drive

DD - Dual Drive



STANDARD DIMENSIONS

Model	AF20D		AF30D	
Type of Drive	Auto/Mech	FC	Auto/Mech	FC
A. Overall height fork raised (with load backrest)	4000		4300	
B. Max. fork height (Standard Model)	3000			
C. Overall height fork lowered (from upper face of forks)	2035		2305	
D. Backrest height (from upper face of forks)	1000		1220	
E. Free lift	140		140	
F. Fork thickness	40		45	
G. Min. clearance (bottom of mast)	95		120	
G1. Min. clearance (bottom of chassis)	135		150	
H. Overall length (with forks)	3690	3805	3860	4025
I. Overall length (without forks)	2620	2735	2770	2910
J. Fork length	1070		1070	
K. Front overhang	470		470	
L. Wheel base	1640	1810	1680	1850
M. Rear overhang	510		620	
N. Coupler height	300		375	
O. Overhead guard clearance (from face of seat)	970		985	
P. Overall height (overhead guard)	2130		2145	
Q. Overall width (SD/DD)	1215/1670		1220/1680	
R. Lateral fork adjustment (SD/DD)	250~1020/ 250~1420		250~1060/ 250~1440	
S. Trade (front) (SD/DD)	980/1420		1000/1460	
T. Trade (Rear)	985		990	
U. Fork width	122		125	
V. Inside turning	500		550	
W. Outside turning Radius (SD/DD)	2210/2650	2450/2850	2635/2840	2910/3150
X. Min. intersecting aisle	1950	2150	2120	2330
Y. Tilting angles (α-β)	6° ~ 12°			

* All dimensions are in mm.

* RASA = Right Angle Stacking Aisle, a = Operator Clearance, b= Load Length

Note :

1. ACE reserves the right to alter any specifications without prior notice.
2. Dimensions, Weights & Capacities mentioned herein are variable by $\pm 5\%$.
3. Accessories, if shown are not part of the standard equipment.



STANDARD EQUIPMENT

- Wide view mast
- Load backrest
- Standard forks
- Power steering
- Retaining rollers
- Overhead guard
- Standard seat (Adjustable)
- Draw bar pin
- Air cleaner
- Parking brake lever
- Lift, tilt levers
- Dipstick for TC oil
- Overhead air intake
- Tilt adjustable steering wheel
- Turn indicator lights
- Hour meter
- Water temperature indicator
- Fuel meter
- Engine oil pressure warning indicator
- Electric charge indicator
- Head lights
- Rear combination lights
- Rear view mirror
- Reverse horn
- Electric horn
- Neutral safety switch (TC)
- Rubber floor mat
- Tool kit
- Inching control pedal (in automatic transmission)

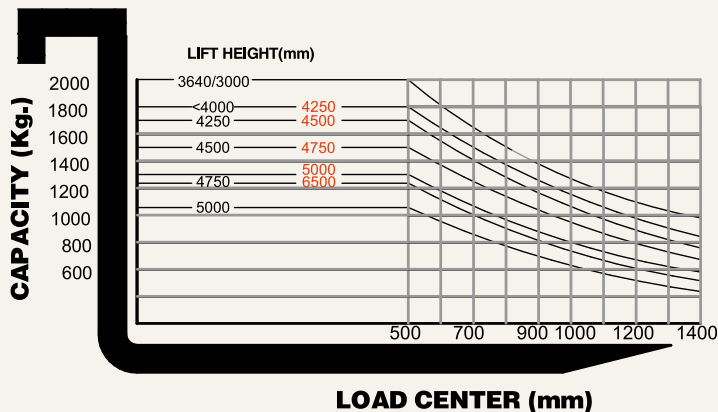
OPTIONAL ACCESSORIES

- Long Forks
- Mast options (Refer mast details)
- Front dual wheels (Dual drive)
- Solid/Non marking tyre
- Fire extinguisher
- All weather steel cabin
- Mechanical/Fluid coupling transmission
- Spark arrestor
- Water muffler
- Simpson Engine (4 Cylinder S433)
 - Rated Power-48bhp @ 2200 RPM
 - Rated Torque-196.2 N-m @ 1200 RPM
 - Displacement-3.3 ltrs
- Blue spot light
- Red safe zone light
- Operator Presence System
- Safeload Indicator
- Reverse Camera
- Rear Proximity Sensor
- Zone II Modification

OPTIONAL ATTACHMENTS

- Bale clamp
- Crane attachment
- Drum(s) handling attachment
- Fork extensions
- Fork rotator
- Drop bottom dumper attachment
- Furnace stoker
- Furnace kit
- Side Shifter
- Side shifter cum fork positioner
- Paper roll clamp
- Ram attachment
- Shovel attachment
- Brick block clamp
- Load stabilizer

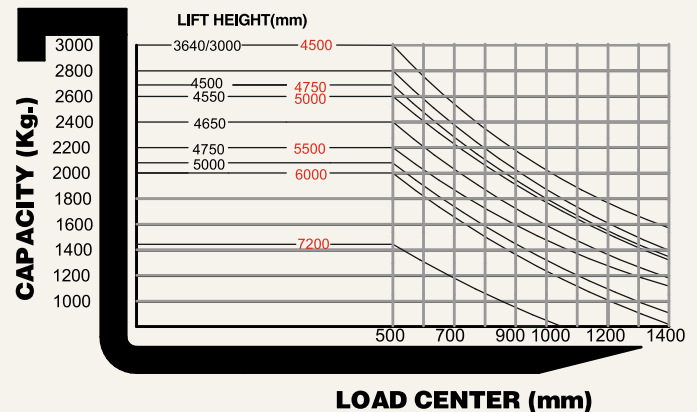
LOAD CHART



SINGLE DRIVE

DUAL DRIVE

AF20D



SINGLE DRIVE

DUAL DRIVE

AF30D



Attachments



ACE

COMPLETE INTRALOGISTICS SOLUTION



Electric/Li-ion Forklifts



1.5T - 3.0T



4.5T - 8.0T



1.5T - 3.0T



4.0T - 10T



12T - 35T

LPG Forklifts



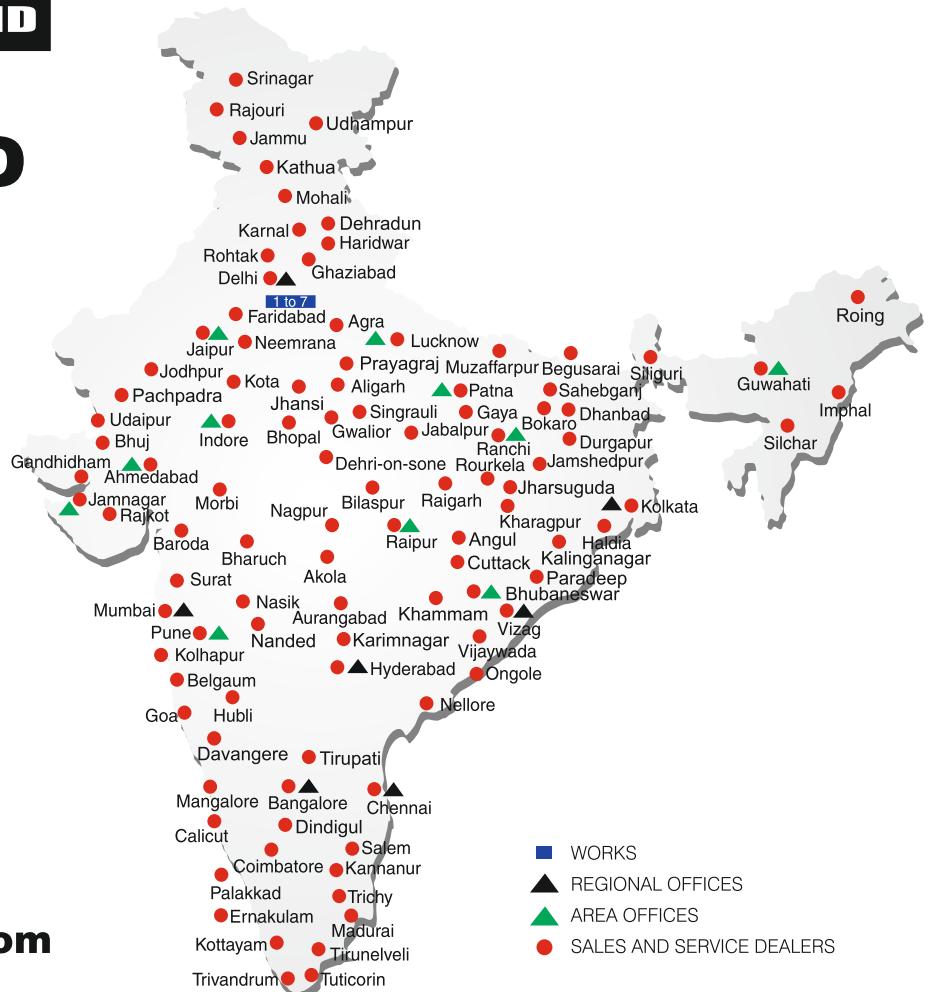
3.0T - 5.0T

BUILT TO PERFORM



RELIABLE AND DEPENDABLE EFFICIENCY

NETWORK



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Action Construction Equipment Ltd.

Contact:



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