

ZOOMLION
NORTH AMERICA

FD20-35H

ICE counterbalanced Diesel



High efficiency



Reliable design



PRODUCT CHARACTERISTICS



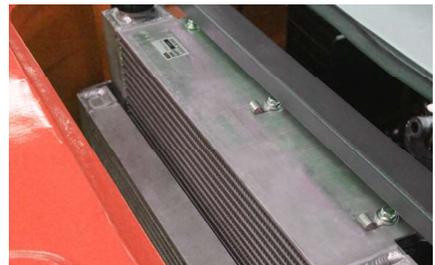
Exceptional Powertrain

Japanese Kubota Euro5 diesel engine with EPA certified, widely used in European and North American countries



Ergonomics

Roomy foot space of 1.06 meters wide enables a comfort operation. Hydraulic controls are located besides display allowing easy right-side entry and exit.



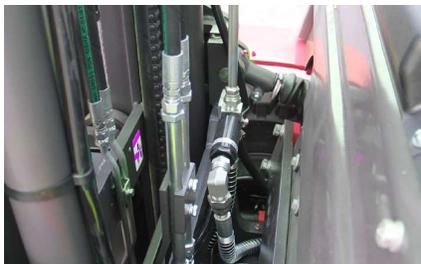
High Efficient Cooling

"Orlandi" radiator system from Italy offers ample reliability by preventing overheating and saving the oil consumption.



Combination Display and USB

LED Display offers useful information, USB charger and power outlet are special designed for the convenience of operator.



Reliable Component

SHIMADZU pump and valve, EATON oil pipe ensure precise control and durable lifetime.



Outstanding Visibility

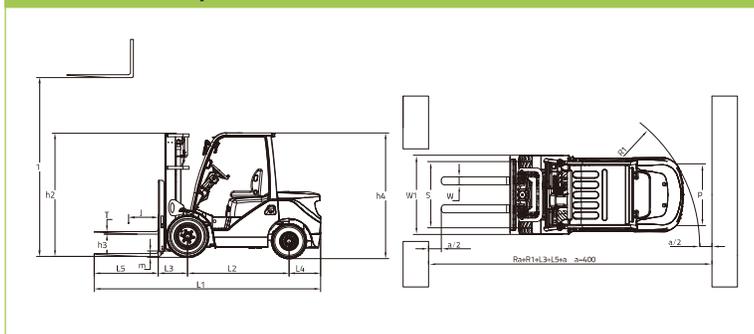
Wide-view mast allows operator to see the forks tips in any position, helping to enhance safety and reducing operator fatigue.

Machine Parameters

Characteristics		FD20H	FD25H	FD30H	FD35H
Power	-	Diesel	Diesel	Diesel	Diesel
Rated Capacity	lb	4409	5512	6614	7716
Load Center	J(Ft)	1.64	1.64	1.64	1.64
Max. Lifting Height	H1(Ft)	9.84	9.84	9.84	9.84
Free Lifting Height	H3(Ft)	0.44	0.44	0.48	0.52
Fork Size LxWxH	L5xWxT(Ft)	3.51x0.4x0.13	3.51x0.4x0.13	3.51x0.41x0.15	3.51x0.41x0.16
Mast Tilting Angle Forward/Backward	°	6/12	6/12	6/12	6/12
Min. Turning Radius	R1(Ft)	7.35	7.35	7.91	8.02
Min. Ground Clearance (mast)	Ra(Ft)	0.36	0.36	0.39	0.39
Overhead Guard Height	H4(Ft)	6.76	6.76	6.86	6.86
Height from Seat to Overhead Guard	Ft	3.3	3.3	3.3	3.3
Performance					
Max. Traveling Speed (loaded)	km/h	19	19	20	20
Max. Lifting Speed (loaded/unloaded)	mm/s	490/510	490/510	470/520	470/520
Max. Traction/Gradeability (loaded)	kN/%	17/20	17/20	18/20	18/20
Min. Right Angle Stacking Aisle Width	Ft	13.72	13.72	14.31	14.45
Dimensions					
Overall Length(without fork)	L1(Ft)	8.43	8.43	8.87	9.01
Overall Width	W1(Ft)	3.81	3.81	4.04	4.04
Mast Lowered Height	H2(Ft)	6.53	6.53	6.74	6.87
Mast Extended Height	Ft	13.12	13.12	13.96	13.96
Chassis					
Tyre(Front)	-	7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	28x9-15-12PR
Tyre(Rear)	-	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
Wheelbase	L2(Ft)	5.25	5.25	5.58	5.58
Tread(Front/Rear)	S(Ft)	3.18/3.18	3.18/3.18	3.28/3.18	3.28/3.18
Curb Weight(Non-load)	lb	7385	8378	9590	10692
Powertrain					
Battery(Voltage/Capacity)	V/Ah	12/90	12/90	12/90	12/90
Engine(Model)	-	Kubota V2403-CR-E5B	Kubota V2403-CR-E5B	Kubota V2403-CR-E5B	Kubota V2403-CR-E5B
Engine(Rated power)	kW/r.p.m	43.2/2400	43.2/2400	43.2/2400	43.2/2400
Engine(Rated torque)	Nm/r.p.m	198.5/1600	198.5/1600	198.5/1600	198.5/1600
Engine(Cylinder amount)	-	4	4	4	4
Engine(Bore × Stroke)	Ft	0.29 × 0.34	0.29 × 0.34	0.29 × 0.34	0.29 × 0.34
Engine(Displacement)	L	2.434	2.434	2.434	2.434
Fuel Tank Capacity	L	60	60	70	70
Transmission	-	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Working Pressure	MPa	17.5	17.5	17.5	17.5

Remarks: The above parameters are based on 3M duplex standard mast.

Machine 2D Graph



Capacity Chart

