

# ECOMAXX SERIES



3000-7000 LB INTERNAL COMBUSTION  
DIESEL ENGINE FORKLIFTS

Model: ECO-FD20

## ECONOMICAL & ECOFRIENDLY

High Performance, Fuel Efficient & Low Emission at a Great Value

The EcoMaxx Series of forklifts offers an ideal balance between performance, fuel efficiency and price. Find out how an EcoMaxx forklift can help your business today!

Starke Material Handling Group is committed to providing a broad selection of the toughest trucks for even the most challenging applications.



### RESPONSIVE STEERING

Equipped with a rugged steer axle for durability, and hydrostatic steering for simple and precise maneuverability, each EcoMaxx truck is designed to easily stand up to even the toughest jobs.



### EASE OF MAINTENANCE

Designed for durability and equipped with a straightforward oil and filter change system, EcoMaxx forklifts are built for simplified maintenance - making routine inspections and repairs more efficient.



### OPERATOR PRESENCE SYSTEM

Integrated into the ergonomic seat, the Operator Presence System locks out lift and travel functions and disengages the transmission should the operator leave the seat while the forklift is in use.



### WIDE VIEW MAST

Intelligent design and effective chain / hose placement provides better forward visibility. With a clearer view of the forks, operators are more efficient, accurate, and safe in load handling.



### INTEGRATED SAFETY FEATURES



### EASILY ACCESSIBLE CONTROLS



### RUGGED POWER TRAIN



### SOLID OVERHEAD GUARD



Meets or exceeds ANSI B56.1 Standards. Specifications, features, and images are provided for reference only and may be subject to change without prior notice.

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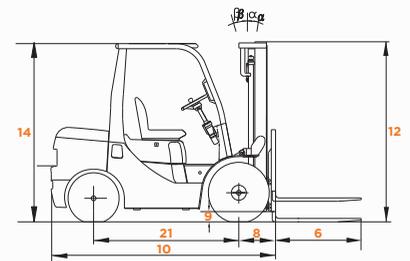
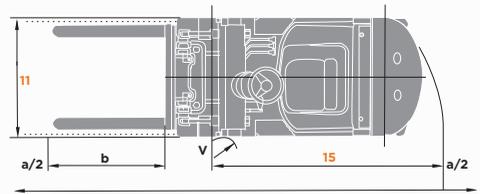
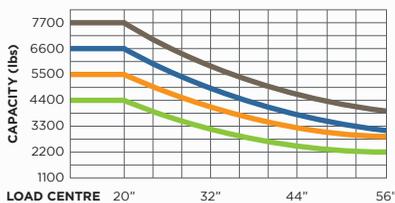


# ECOMAXX SERIES



## 3000-7000 LB INTERNAL COMBUSTION DIESEL FORKLIFTS

MODEL			ECO-FD18	ECO-FD20	ECO-FD25	ECO-FD30	ECO-FD35
Maximum Lift Capacity		LBS	3000	4000	5000	6000	7000
Length	Without fork	IN	89.9	102.0	102.0	106.7	108.3
Width		IN	42.7	45.3	45.3	48.2	48.2
Height	Mast lowered	IN	78.5	81.4	81.4	83.3	83.3
	Overhead guard		80.3	84.0	84.0	85.0	85.0
Fork Size LxWxH		IN	36.2x4.7x1.3	44.1 X 5.9 X 2.4	44.1 X 5.9 X 2.4	44.1 X 5.9 X 2.4	59.8 X 7.1 X 2.8
Wheelbase		IN	55.1	63.0	63.0	66.9	66.9
Overhang	Front	IN	16.1	18.5	18.5	18.7	19.3
Ground Clearance	Mast	IN	4.3	4.7	4.7	4.7	4.7
Lift Height (2-Stage)		IN	118.1 - 236.2	118.1 - 236.2	118.1 - 236.2	118.1 - 236.2	118.1 - 236.2
Lift Height (3-Stage Full Free Lift)		IN	145.7 - 236.2	145 - 236.2	141.7 - 236.2	141.7 - 236.2	141.7 - 236.2
Mast Tilt	Front / Rear	Deg	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Max Lifting Speed	Laden	IN/S	17.3	19.3	19.3	17.3	16.1
Min. turning radius		IN	80.9	85.4	88.2	94.5	96.3
Min. insecting Aisle width		IN	84.6	75.6	79.1	83.1	87.9
Max driving Speed	Unladen	KM/H	15	18.9	18.9	18.9	18.9
Load center		IN	24	24	24	24	24
Service Weight	Laden	LBS	6680	7370	8250	9858	10285
Battery		V/Ah	12/80	12 /90	12 /90	12 /90	12 /90
Manufacturer			MITSUBISHI				
Engine model			D04EG				
Rated output / r.p.m.		HP/RPM	56/2200				
Max. torque / r.p.m		LBF/RPM	240/750				
No. of Cylinder			6				
Bore x Stroke		IN	4 x 3.5				
Displacement		CC	3600				



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Type	Model	Lift Height (IN)	Load Capacity (LBS)		Overall Height (IN)			Free Lift (IN)		Title Angle
					3000 LB			3000 LB		F/R (DEG)
					Mast Lowered	Mast Extended		Mast Extended		
ECO-FD18		With Backrest	Without Backrest	With Backrest		Without Backrest				
Wide View 2-stage mast	M200	78.7	3000		58.8	115.7	100	-	-	6/12
	M250	98.4	3000		68.7	135.4	119.6	-	-	6/12
	M300	118.1	3000		78.5	155.1	139.3	-	-	6/12
	M330	129.9	3000		84.4	166.9	151.1	-	-	6/12
	M350	137.8	3000		88.3	174.8	159.0	-	-	6/12
	M370	145.7	3000		92.3	182.6	166.9	-	-	6/12
	M400	157.5	3000		100.1	194.4	178.7	-	-	6/12
	M450	177.2	3000		110.0	214.1	198.4	-	-	6/6
	M500	196.8	2500		119.8	233.8	218.1	-	-	6/6
	M550	216.5	1800		131.6	253.5	238.5	-	-	3/6
M600	236.2	1300		141.5	273.2	258.2	-	-	3/6	
Full Free 2-stage mast	Z200	78.7	3000		58.8	115.7	100.0	23.0	38.5	6/12
	Z250	98.4	3000		68.7	135.4	119.6	32.8	48.4	6/12
	Z300	118.1	3000		78.5	155.1	139.3	42.7	58.2	6/12
	Z330	129.9	3000		84.4	166.9	151.1	48.6	64.1	6/12
	Z350	137.8	3000		88.3	174.8	159.0	52.5	68.1	6/12
	Z370	145.7	3000		92.3	182.6	166.9	56.4	72.0	6/12
	Z400	157.5	3000		100.1	194.4	178.7	64.3	79.9	6/12
Full Free 3-stage mast	S370	145.7	3000		69.6	182.4	167.1	33.8	49.4	6/6
	S400	157.5	3000		73.6	194.2	178.9	37.7	53.3	6/6
	S435	171.3	3000		78.5	208.0	192.7	42.7	58.2	6/6
	S450	177.2	3000		80.5	213.9	198.6	44.6	60.2	6/6
	S480	189.0	2600		84.4	225.7	210.4	48.6	64.1	6/6
	S500	169.8	2400		88.3	233.6	218.3	52.5	68.1	6/6
	S550	216.5	1800		94.8	253.3	237.9	59.0	74.6	3/6
S600	236.2	1300		102.1	273.0	257.6	66.3	81.8	3/6	

Type	Model	Lift Height (IN)	Load Capacity (LBS)		Overall Height (IN)			Free Lift (IN)		Title Angle
					4000 - 5000 LB			4000-5000 LB		F/R (DEG)
					Mast Lowered	Mast Extended		Mast Extended		
ECO-FD20	ECO-FD25	With Backrest	Without Backrest	With Backrest		Without Backrest				
Wide View 2-stage mast	M200	78.7	4000	5000	61.2	116.5	100.4	-	-	6/12
	M250	98.4	4000	5000	71.1	136.2	120.1	-	-	6/12
	M300	118.1	4000	5000	80.1	155.9	139.8	-	-	6/12
	M330	129.9	4000	5000	86.8	167.7	151.6	-	-	6/12
	M350	137.8	4000	5000	90.7	175.6	159.4	-	-	6/12
	M370	145.7	4000	5000	94.7	183.5	167.3	-	-	6/12
	M400	157.5	4000	5000	102.6	195.3	179.1	-	-	6/12
	M450	177.2	3600	4800	112.4	214.0	198.8	-	-	6/6
	M500	196.8	3200	3700	122.2	234.6	218.5	-	-	6/6
	M550	216.5	2400	3300	134.1	254.3	238.2	-	-	3/6
M600	236.2	1500	2200	143.9	274.0	257.9	-	-	3/6	
Full Free 2-stage mast	Z200	78.7	4000	5000	61.2	121.1	104.7	20.1	36.6	6/12
	Z250	98.4	4000	5000	71.1	140.7	124.4	29.9	46.4	6/12
	Z300	118.1	4000	5000	80.9	160.4	144.1	39.8	56.3	6/12
	Z330	129.9	4000	5000	86.8	172.2	155.9	45.7	62.2	6/12
	Z350	137.8	4000	5000	90.7	180.1	163.8	49.6	66.1	6/12
	Z370	145.7	4000	5000	94.7	187.0	171.6	53.5	70.1	6/12
	Z400	157.5	4000	5000	102.6	199.8	183.5	61.4	77.9	6/12
Full Free 3-stage mast	S370	145.7	4000	5000	70.5	187.9	171.4	29.3	45.7	6/6
	S400	157.5	3800	4800	74.4	199.6	183.3	33.3	49.6	6/6
	S435	171.3	3700	4700	78.9	213.4	197.0	37.8	54.1	6/6
	S450	177.2	3500	4600	80.9	219.3	202.9	39.8	56.1	6/6
	S480	189.0	3400	4200	84.8	231.1	214.8	43.7	60.0	6/6
	S500	169.8	3100	3600	87.6	239.0	222.6	46.4	62.8	6/6
	S550	216.5	2200	3000	96.1	258.7	242.3	55.1	71.4	3/6
S600	236.2	1400	2200	102.6	278.3	262.0	61.8	78.1	3/6	



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Type	Model	Lift Height (IN)	Load Capacity (LBS)		Overall Height (IN)			Free Lift (IN)		Title Angle
					6000- 7000 LB			6000-7000 LB		F/R (DEG)
					Mast Lowered	Mast Extended		Mast Extended		
ECO-FD30	ECO-FD35	With Backrest	Without Backrest	With Backrest		Without Backrest				
Wide View 2-stage mast	M200	78.7	6000	7000	63.6	125.2	107.1	-	-	6/12
	M250	98.4	6000	7000	73.4	144.9	126.8	-	-	6/12
	M300	118.1	6000	7000	83.3	164.6	146.4	-	-	6/12
	M330	129.9	6000	7000	89.2	176.4	158.3	-	-	6/12
	M350	137.8	6000	7000	93.1	184.2	166.1	-	-	6/12
	M370	145.7	6000	7000	97.1	192.1	174.0	-	-	6/12
	M400	157.5	5800	6800	104.9	203.9	185.8	-	-	6/12
	M450	177.2	5700	6600	114.8	223.6	205.5	-	-	6/6
	M500	196.8	5200	5500	124.6	243.3	225.2	-	-	6/6
	M550	216.5	4900	5000	136.4	263.0	244.9	-	-	3/6
M600	236.2	3300	4000	146.3	282.7	264.6	-	-	3/6	
Full Free 2-stage mast	Z200	78.7	6000	7000	61.2	121.1	107.1	18.5	36.6	6/12
	Z250	98.4	6000	7000	71.1	140.7	126.8	28.3	46.5	6/12
	Z300	118.1	6000	7000	80.9	160.4	146.4	38.2	56.3	6/12
	Z330	129.9	6000	7000	86.8	172.2	158.3	44.1	62.2	6/12
	Z350	137.8	6000	7000	90.7	180.1	166.1	48.0	66.1	6/12
	Z370	145.7	6000	7000	94.7	187.0	174.0	52.0	70.1	6/12
	Z400	157.5	6000	6900	102.6	199.8	185.8	59.8	77.9	6/12
Full Free 3-stage mast	S370	145.7	5800	6900	70.5	187.9	174.0	28.7	46.6	6/6
	S400	157.5	5800	6800	74.4	199.6	185.8	32.7	50.6	6/6
	S435	171.3	5600	6600	78.9	213.4	199.6	37.2	55.1	6/6
	S450	177.2	5900	6300	80.9	219.3	206.3	39.2	57.1	6/6
	S480	189.0	5500	5900	84.8	231.1	217.3	43.1	61.0	6/6
	S500	169.8	5000	5400	87.6	239.0	225.2	45.9	63.8	6/6
	S550	216.5	4400	4900	96.1	258.7	244.9	54.5	72.4	3/6
S600	236.2	3300	3400	102.6	278.3	264.6	61.2	79.1	3/6	



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