

2019 F-650/F-750 SUPER DUTY®



PRO LOADER® | STRAIGHT FRAME | TRACTOR

[Accessible F-650/F-750 Super Duty Brochure PDF](#)



SPECIFICATIONS

FRAMES

FRAME ORDER CODE	533	534	535	536	537	538	539	41R
AVAILABILITY								
Pro Loader® – F-650 Gas & Diesel	–	–	–	–	S	–	–	–
Straight Frame – F-650 Gas & Diesel	0	S	0	0	–	0	–	–
Straight Frame – F-750 Gas & Diesel	–	–	S	0	–	0	0	0
Tractor – F-650/F-750 Diesel	–	–	–	S	–	–	–	–
SPECIFICATIONS								
Depth (in.)	9.125	10.125	10.250	10.125	9.125	10.250	10.375	10.813
Width (in.)	3.062	3.062	3.092	3.580	3.062	3.610	3.705	3.892
Thickness (in.)	0.312	0.312	0.375	0.312	0.312	0.375	0.438	0.312
Yield (psi)	80,000	50,000	80,000	120,000	80,000	120,000	120,000	120,000
Maximum section modulus (cu. in.)	10.75	12.64	15.14	14.18	10.75	16.98	20.11	29.84
Maximum resisting bending moment (in.-lbs.)	860,000	632,000	1,211,000	1,701,600	860,000	2,037,600	2,413,200	3,580,800

WEIGHT RATINGS

(lbs.)	PRO LOADER		STRAIGHT FRAME				TRACTOR	
	F-650 Gas	F-650 Diesel	F-650 Gas	F-650 Diesel	F-750 Gas	F-750 Diesel	F-650 Diesel	F-750 Diesel
AXLES								
Front axle rating	8,500 (S)	8,500 (S)	8,500 (S) 10,000 (O)	8,500 (S) 10,000 (O)	10,000 (S) 12,000 (O)	10,000 (S) 12,000 (O) 14,000 (O)	10,000 (S)	10,000 (S) 12,000 (O) 14,000 (O)
Rear axle rating – Single-speed	13,500 (S) 17,500 (O)	13,500 (S) 17,500 (O)	17,500 (S) 19,000 (O)	17,500 (S) 19,000 (O)	21,000 (S)	21,000 (S) 23,000 (O) 26,000 (O)	17,500 (S) 19,000 (O)	21,000 (S) 23,000 (O) 26,000 (O)
Rear axle rating – 2-speed						21,000 (O)		21,000 (O)
SUSPENSIONS								
Front spring rating	8,500 (S) 10,000 (O)	8,500 (S)	8,500 (S) 10,000 (O) 12,000 (O)	8,500 (S) 10,000 (O) 12,000 (O)	10,000 (S) 12,000 (O) 13,200 (O)	10,000 (S) 12,000 (O) 13,200 (O) 14,000 (O)	10,000 (S) 12,000 (O)	10,000 (S) 12,000 (O) 13,200 (O) 14,000 (O)
Rear multi-leaf spring rating	15,500 (S) 19,000 (O)	15,500 (S) 19,000 (O)	19,000 (S) 21,000 (O)	19,000 (S) 21,000 (O)	21,000 (S) 23,000 (O)	21,000 (S) 23,000 (O) 31,000 (O)	19,000 (S) 21,000 (O)	21,000 (S) 23,000 (O) 31,000 (O)
Rear air-suspension rating		12,000 (O) 19,000 (O)		19,000 (O) 21,000 (O)		21,000 (O) 23,000 (O)	19,000 (O) 21,000 (O)	21,000 (O) 23,000 (O)
GVWR RANGE								
Minimum	22,000	20,500	26,000	26,000	31,000	31,000	27,500	31,000
Maximum	26,000	26,000	29,000	29,000	33,000	37,000	29,000	37,000
GCWR	37,000	50,000	37,000	50,000	37,000	50,000	50,000	50,000
CURB WEIGHT RANGE								
Minimum	8,748	9,407	9,618	10,278	9,748	10,408	11,062	11,274
Maximum	9,527	10,186	11,144	11,897	11,023	12,405	11,573	11,785

