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SECTION 1B

BULLDOZERS

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Tough, wear-resistant materials, such as high-tensile-strength steel for the blade, heat-treated steel for cutting edges and end bits, make the blade durable and sturdy against impact.

- **Straight dozer**
  With sturdy construction and a fixed digging angle, this blade has excellent penetration ability.
- **Straight-tilt dozer**
  Adjustable hydraulic tilting provides more versatility than a straight dozer.
- **Angle dozer**
  The blade can be angled to either side.
  Manual tilting is possible by adjusting the brace length.
- **Power angle-tilt dozer**
  The power angling and tilting of the blade expands its versatility. Generally equipped on small crawler tractors.
- **U-dozer**
  With wings minimizing material spillage, this dozer features large blade capacity for moving a large quantity of earth.
- **Coal dozer**
  Specially designed for carring light materials such as coal without cutting the ground.
- **Cushion dozer**
  The cushion block is equipped on the blade for push-loading for scraper.
  Also available for general cutting and dozing jobs.
- **Rake dozer**
  The rake replaces the dozer blade for land clearing applications.
- **Trimming dozer**
  The blade can swing back and forth.
  Used for scraping coal, ore and grain in ships.

Blade Availability

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Attachment \ Model	D20, 21-6							D31-18			D37-2	
	A	E	P	P-6A	P-6B	PL	PLL	E	P	P-18A	E	P
Straight-tiltdozer			○			○	○		○	○		
Strengthened straight-tiltdozer												
Straightdozer												
Strengthened straightdozer												
Angle dozer	○	○	○					○	○	○	○	○
Strengthened angle dozer												
Power angle-tiltdozer	○	○	○	○	○			○		○	○	○
Mechanical angle power tiltdozer												
U-dozer												
Full U-dozer												
Mechanical tilt coaldozer												
Power tilt coaldozer												
Cushiondozer												
Welded type pusher plate												
Bolt-on type pusher plate												
Angle-rakedozer												
Straight-rakedozer												
Shear Blade												
Trimming dozer	○		○					○			○	

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Model / Attachment	D40-3		D41-3				D50-17			D53-17		
	A	P	A	A-3A	E	P	A	P	PL	A	P	
Straight-tiltdozer	○	○			○	○	○	○	○	○	○	
Strengthened straight-tiltdozer												
Straightdozer	○	○	○			○	○	○	○	○	○	
Strengthened straightdozer												
Angle dozer	○	○	○			○	○	○		○	○	
Strengthened angle dozer							○			○		
Power angle-tiltdozer	○		○	○	○							
Mechanical angle power tiltdozer							○			○		
U-dozer												
Full U-dozer												
Mechanical tilt coaldozer												
Power tilt coaldozer												
Cushiondozer												
Welded type pusher plate												
Bolt-on type pusher plate												
Angle-rakedozer							○			○		
Straight-rakedozer								○			○	
Shear Blade												
Trimming dozer	○		○				○			○		

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Attachment \ Model	D58-1		D60-18				D63-1	D65-18			D68-1	
	E	P	A	E	P	PL	E	A	E	P	E	P
Straight-tiltdozer	○	○	○	○	○	○	○	○	○	○	○	○
Strengthened straight-tiltdozer												
Straightdozer	○	○	○	○	○	○	○	○	○	○	○	○
Strengthened straightdozer												
Angle dozer	○	○	○	○	○		○	○	○	○		
Strengthened angle dozer	○		○	○			○	○	○		○	
Power angle-tiltdozer												
Mechanical angle power tiltdozer	○		○	○			○	○	○		○	
U-dozer												
Full U-dozer												
Mechanical tilt coaldozer												
Power tilt coaldozer												
Cushiondozer												
Welded type pusher plate												
Bolt-on type pusher plate												
Angle-rakedozer	○		○	○			○	○	○		○	
Straight-rakedozer		○	○	○	○			○	○	○		○
Shear Blade												
Trimming dozer			○	○				○	○			

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Blade Availability

BULLDOZERS

Attachment \ Model	D75-1	D83-1		D85-21			D150-1	D155-1	D355-3	D375-1	D455-1	D475-1
	A	E	P	A/E	A-21B	P	A	A	A	A	A	A
Straight-tiltdozer	○	○	○	○	○	○	○	○	○	○	○	○
Strengthened straight-tiltdozer							○	○	○	○	○	○
Straightdozer							○	○	○	○		
Strengthened straightdozer							○	○				
Angle dozer	○	○		○	○		○	○	○	○		
Strengthened angle dozer												
Power angle-tiltdozer												
Mechanical angle power tiltdozer				○			○	○				
U-dozer				○			○	○	○	○	○	○
Full U-dozer											○	
Mechanical tilt coaldozer							○	○				
Power tilt coaldozer							○	○				
Cushiondozer									○	○	○	
Welded type pusher plate							○	○	○	○	○	
Bolt-on type pusher plate							○	○	○	○		
Angle-rakedozer												
Straight-rakedozer							○	○				
Shear Blade							○	○				
Trimming dozer				○								

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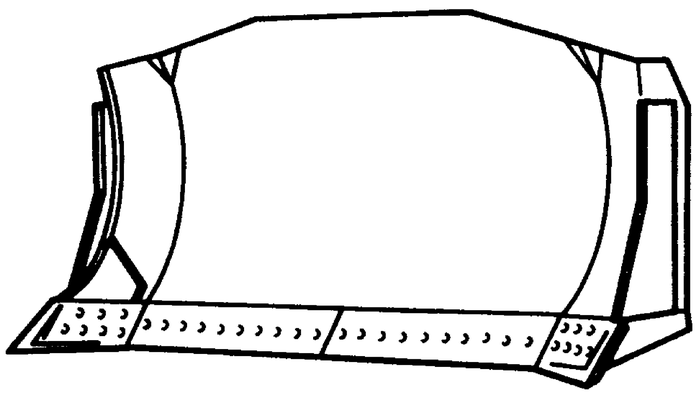
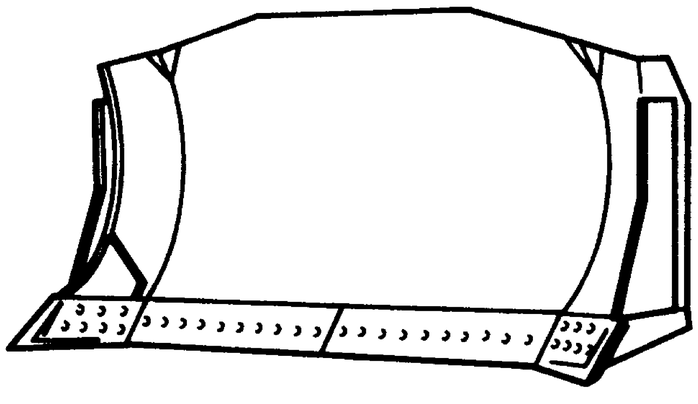


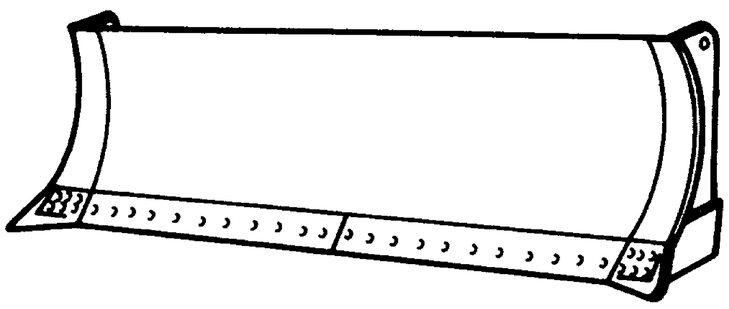
Straight–tiltdozer

Having a high HP/cutting edge length, this blade has an aggressive penetration. This blade also has a high HP/loose cubic yards for easy handling of heavy materials. The tilting function of this blade increases production and versatility. With a sturdy construction, this blade is suitable for powerful cutting and dozing, especially heavy cutting on rocky ground.



Straight dozer

This blade has the same structure and functions but is not equipped with a tilt–cylinder.



Angle dozer

The blade can be set straight or angled to both sides. Plowing earth or snow to one side is possible by angling the blade.
Useful for road construction, back filling etc.

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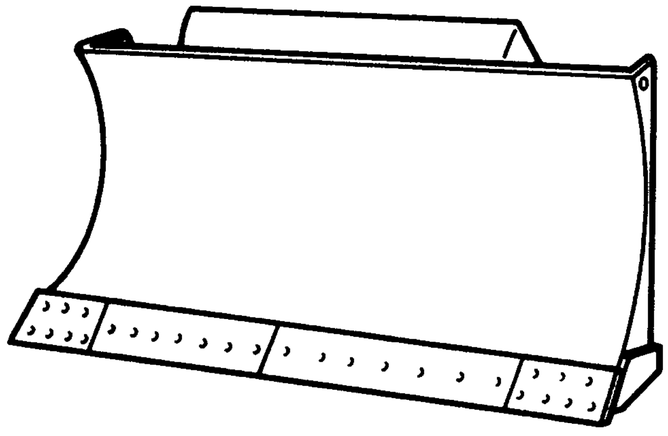
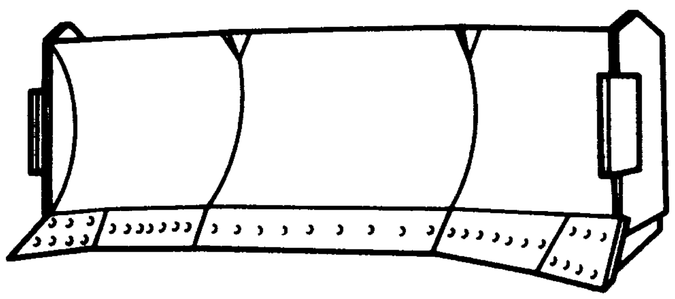


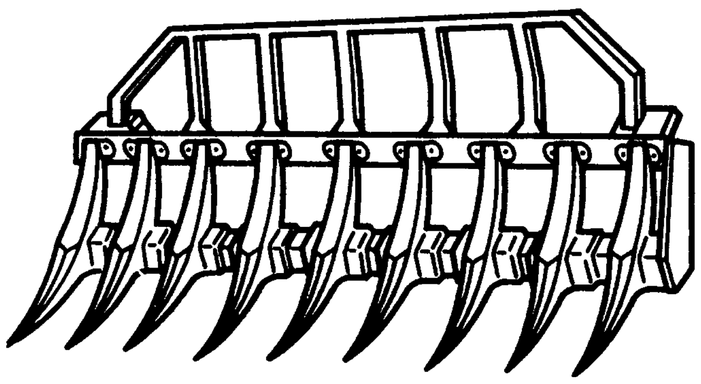
Power angle–tiltdozer

Power angling and tilting of the blade are possible from the operator seat. This blade is applicable for versatile works such as grading, back filling, spreading and light land clearing.



U–dozer

The wings on this blade minimizes material spillage. Since this blade has a lower HP/loose cubic yards than a straight–tiltdozer, this blade is suitable for moving lighter or loose materials over long distances.
Suitable workes are land reclamation, stockpiling and other similar jobs.



Rake–dozer

Having teeth,this blade provides good penetration into the soil for removal of stumps, roots and rocks.

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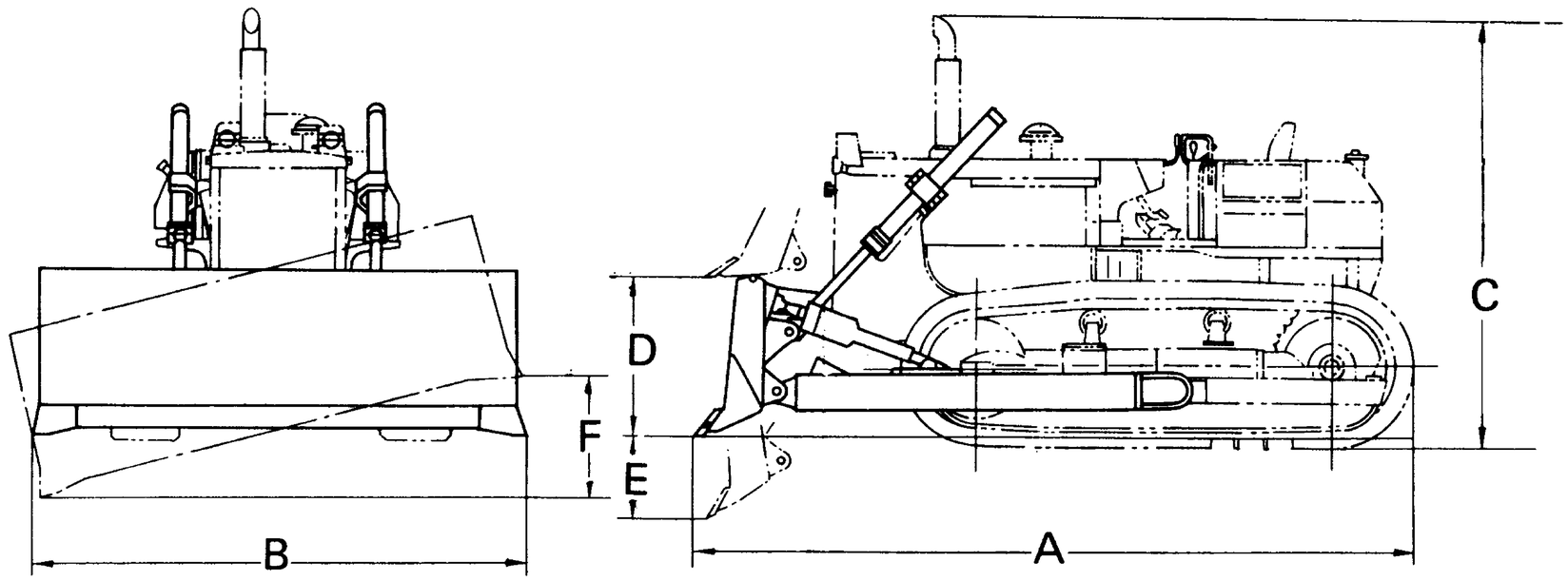

Item		Model	D20P-6 D21P-6	D20PL-6 D21PL-6	D20PLL-6	D31P-18
OPERATING WEIGHT		kg(lb)	3870 (8,530) 3920 (8,640)	4060 (8,950) 4110 (9,060)	4700 (10,360)	6710 (14,790)
BLADE CAPACITY	LH²	m³(cu.yd)	0.76 (0.99)	0.87 (1.14)	0.80 (1.05)	1.52 (1.99)
	SAE		*0.60 (0.78)	*0.69 (0.90)	*0.64 (0.84)	*1.22 (1.60)
DIMENSION						
A	Overall length	mm(in)	3190 (125.6)	3310 (130.3)	3520 (138.6)	3845 (151.4)
B	Overall width	mm(in)	2170 (85.4)	2490 (98.0)	3200 (126.0)	2435 (95.9)
C	Overall height	mm(in)	2185 (86.0)	2170 (85.4)	2185 (86.0)	2695 (106.1)
	Ground pressure	kg/cm²(P.S.I)	0.228 (3.24)	0.16 (2.28)	0.103 (1.46)	0.256 (3.64)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	480 (1,060)	520 (1,150)	590 (1,300)	950 (2,090)
	Length	mm(in)	2170 (85.4)	2490 (98.0)	3200 (126.0)	2435 (95.9)
	Height	mm(in)	590 (23.2)	590 (23.2)	500 (19.7)	790 (31.1)
D	Max.lift above ground	mm(in)	815 (32.1)	840 (33.1)	860 (33.9)	875 (34.4)
E	Max.drop below ground	mm(in)	295 (11.6)	360 (14.2)	295 (11.6)	335 (13.2)
F	Max.tilting adjustment	mm(in)	320 (12.6)	320 (12.6)	320 (12.6)	355 (14.0)
	Digging angle	degree	55	55	55	55

* Blade capacities are based on the SAE J1265

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Item		Model	D40A-3 D41A-3	D41A-3**	D41E-3**	D40P-3 D41P-3
OPERATING WEIGHT		kg(lb)	9690 (21,360) 9690 (21,360)	10200 (22,490)	10680 (23,550)	10500 (23,150) 10500 (23,150)
BLADE CAPACITY	LH² SAE	m³(cu.yd)	1.91 (2.50)	2.13 (2.79)	2.15 (2.81)	2.39 (3.13) *1.90 (2.49)
DIMENSION						
A	Overall length	mm(in)	4225 (166.3)	4252 (167.4)	4335 (170.7)	4430 (174.4)
B	Overall width	mm(in)	2415 (95.1)	2415 (95.1)	2720 (107.1)	3025 (119.1)
C	Overall height	mm(in)	2795 (110.0)	2795 (110.0)	2795 (110.0)	2815 (110.8)
	Ground pressure	kg/cm²(P.S.I)	0.589 (8.38)	0.538 (7.65)	0.52 (7.39)	0.278 (3.95)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	1300 (2,870)	1340 (2,950)	1480 (3,260)	1410 (3,110)
	Length	mm(in)	2415 (95.1)	2415 (95.1)	2720 (107.1)	3025 (119.1)
	Height	mm(in)	890 (35.0)	940 (37.0)	890 (35.0)	890 (35.0)
D	Max.lift above ground	mm(in)	870 (34.3)	870 (34.3)	945 (37.2)	920 (36.2)
E	Max.drop below ground	mm(in)	445 (17.5)	390 (15.4)	440 (17.3)	340 (13.4)
F	Max.tilting adjustment	mm(in)	460 (18.1)	460 (18.1)	500 (19.7)	460 (18.1)
	Digging angle	degree	55	55	55	55

* Blade capacities are based on the SAE J1265.

** For Europe with ROPS brackets

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Item		Model	D41P-3**	D50A-17 D53A-17	D50P-17 D53P-17	D50PL-17
OPERATING WEIGHT		kg(lb)	10870 (23,960)	12160 (26,810) 12720 (28,040)	14400 (31,750) 14600 (32,190)	14000 (30,860)
BLADE CAPACITY	LH² SAE	m³(cu.yd)	2.67 (3.49) *2.10 (2.75)	3.00 (3.92) *2.21 (2.89)	3.20 (4.19)	3.24 (4.24)
DIMENSION						
A	Overall length	mm(in)	4595 (180.9)	4640 (182.7)	5170 (203.5)	5170 (203.5)
B	Overall width	mm(in)	3025 (119.1)	3185 (125.4)	3510 (138.2)	3670 (144.5)
C	Overall height	mm(in)	2815 (110.8)	2900 (114.2)	2970 (116.9)	2960 (116.5)
	Ground pressure	kg/cm²(P.S.I)	0.29 (4.12)	0.60 (8.53) 0.58 (8.25)	0.27 (3.84) 0.28 (3.98)	0.24 (3.41)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	1430 (3,150)	1950 (4,300)	2070 (4,560)	2010 (4,430)
	Length	mm(in)	3025 (119.1)	3185 (125.4)	3510 (138.2)	3670 (144.5)
	Height	mm(in)	940 (37.0)	970 (38.2)	955 (37.6)	940 (37.0)
D	Max.lift above ground	mm(in)	920 (36.2)	935 (36.8)	1115 (43.9)	1105 (43.5)
E	Max.drop below ground	mm(in)	340 (13.4)	550 (21.7)	440 (17.3)	440 (17.3)
F	Max.tilting adjustment	mm(in)	460 (18.1)	680 (26.8)	600 (23.6)	600 (23.6)
	Digging angle	degree	55	55	55	55

* Blade capacities are based on the SAE J1265.

** For Europe with ROPS brakets

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Item		Model	D58E-1	D58E-1**	D58P-1	D60A-8 D65A-8
OPERATING WEIGHT		kg(lb)	12840 (28,310)	13780 (30,380)	14720 (32,450)	16070 (35,430) 16270 (35,870)
BLADE CAPACITY	LH² SAE	m³(cu.yd)	3.68 (4.81) *2.70 (3.53)	3.68 (4.81)	3.69 (4.83) *3.00 (3.92)	4.52 (5.91) *3.50 (4.58)
DIMENSION						
A	Overall length	mm(in)	4640 (182.7)	4735 (186.4)	5170 (203.5)	5025 (197.8)
B	Overall width	mm(in)	3185 (125.4)	3185 (125.4)	3510 (138.2)	3415 (134.4)
C	Overall height	mm(in)	2900 (114.2)	2900 (114.2)	2970 (116.9)	3020 (118.9)
	Ground pressure	kg/cm²(P.S.I)	0.59 (8.39)	0.61 (8.67)	0.28 (3.98)	0.645 (9.17) 0.655 (9.31)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	1990 (4,390)	2000 (4,410)	2110 (4,650)	3110 (6,860)
	Length	mm(in)	3185 (125.4)	3185 (125.4)	3510 (138.2)	3415 (134.4)
	Height	mm(in)	1075 (42.3)	1075 (42.3)	1025 (40.4)	1150 (45.3)
D	Max.lift above ground	mm(in)	935 (36.8)	955 (37.6)	1115 (43.9)	1095 (43.1)
E	Max.drop below ground	mm(in)	550 (21.7)	570 (22.4)	440 (17.3)	545 (21.5)
F	Max.tilting adjustment	mm(in)	680 (26.8)	680 (26.8)	600 (23.6)	860 (33.9)
	Digging angle	degree	55	55	55	55 ± 5

* Blade capacities are based on the SAE J1265.

** For Europe with ROPS brakets

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Item		Model	D60E-8 D65E-8	D65E-8**	D60P-8 D65P-8	D65P-8**
OPERATING WEIGHT		kg(lb)	16750 (36,930) 16950 (37,370)	16960 (37,390)	17550 (38,690) 18200 (40,120)	18210 (40,150)
BLADE CAPACITY	LH² SAE	m³(cu.yd)	4.52 (5.91) *3.50 (4.58)	4.80 (6.29) *3.50 (4.58)	4.38 (5.73)	4.72 (6.17) *3.50 (4.58)
DIMENSION						
A	Overall length	mm(in)	5230 (205.9)	5230 (205.9)	5585 (219.9)	5585 (219.9)
B	Overall width	mm(in)	3415 (134.4)	3415 (134.4)	3970 (156.3)	3970 (156.3)
C	Overall height	mm(in)	3020 (118.9)	3020 (118.9)	3055 (120.3)	3055 (120.3)
	Ground pressure	kg/cm²(P.S.I)	0.621 (8.83) 0.631 (8.97)	0.63 (8.96)	0.296 (4.21) 0.297 (4.22)	0.31 (4.41)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	3260 (7,190)	3270 (7,210)	2760 (6,080)	2770 (6,110)
	Length	mm(in)	3415 (134.4)	3415 (134.4)	3970 (156.3)	3970 (156.3)
	Height	mm(in)	1150 (45.3)	1185 (46.7)	1050 (41.3)	1090 (42.9)
D	Max.lift above ground	mm(in)	1130 (44.5)	1130 (44.5)	1180 (46.5)	1180 (46.5)
E	Max.drop below ground	mm(in)	585 (23.0)	585 (23.0)	440 (17.3)	440 (17.3)
F	Max.tilting adjustment	mm(in)	860 (33.9)	860 (33.9)	780 (30.7)	780 (30.7)
	Digging angle	degree	55 ± 5	55	55 ± 5	55 ± 5

* Blade capacities are based on the SAE J1265.

** For Europe with RODS brakets

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Item		Model	D60PL-8	D63E-1	D63E-1**	D68E-1
OPERATING WEIGHT		kg(lb)	18700 (41,230)	13640 (30,070)	14150 (31,200)	17140 (37,790)
BLADE CAPACITY	LH²	m³(cu.yd)	4.15 (5.43)	4.07 (5.32)	4.14 (5.42)	4.80 (6.28)
	SAE			*3.0 (3.92)		*3.50 (4.58)
DIMENSION						
A	Overall length	mm(in)	5925 (233.3)	4735 (186.4)	4740 (186.6)	5330 (209.8)
B	Overall width	mm(in)	4410 (173.6)	3185 (125.4)	3245 (127.8)	3415 (134.4)
C	Overall height	mm(in)	3045 (119.9)	2910 (114.6)	2920 (115.0)	3020 (118.9)
	Ground pressure	kg/cm²(P.S.I)	0.21 (2.99)	0.54 (7.68)	0.57 (8.11)	0.61 (8.67)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	2500 (5,510)	2050 (4,520)	2060 (4,540)	3260 (7,190)
	Length	mm(in)	4410 (173.6)	3185 (125.4)	3245 (127.8)	3415 (134.4)
	Height	mm(in)	970 (38.2)	1130 (44.5)	1130 (44.5)	1185 (46.7)
D	Max.lift above ground	mm(in)	1170 (46.1)	980 (38.6)	960 (37.8)	1130 (44.5)
E	Max.drop below ground	mm(in)	510 (20.1)	570 (22.4)	570 (22.4)	585 (23.0)
F	Max.tilting adjustment	mm(in)	730 (28.7)	680 (26.8)	680 (26.8)	860 (33.9)
	Digging angle	degree	55 ± 5	55	55	55 ± 5

* Blade capacities are based on the SAE J1265.
* For Europe with ROPS brakets

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Item		Model	D68P-1	D75A-1	D83E-1	D83P-1
OPERATING WEIGHT		kg(lb)	18310 (40,370)	16940 (37,350)	19800 (43,650)	21010 (46,320)
BLADE CAPACITY	LH²	m³(cu.yd)	4.9 (6.41)	4.85 (6.34)	6.29 (8.23)	6.6 (8.63)
	SAE		*3.8 (4.97)	*3.29 (4.30)	*4.40 (5.76)	*5.3 (6.93)
DIMENSION						
A	Overall length	mm(in)	5585 (219.9)	5300 (208.7)	5710 (224.8)	5810 (228.7)
B	Overall width	mm(in)	3970 (156.3)	3455 (136.0)	3635 (143.1)	4180 (164.6)
C	Overall height	mm(in)	3055 (120.3)	3020 (118.9)	3005 (118.3)	3035 (119.5)
	Ground pressure	kg/cm²(P.S.I)	0.31 (4.41)	0.61 (8.67)	0.60 (8.53)	0.36 (5.12)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	2790 (6,150)	2910 (6,420)	3230 (7,120)	3280 (7,230)
	Length	mm(in)	3970 (156.3)	3455 (136.0)	3635 (143.1)	4180 (164.6)
	Height	mm(in)	1110 (43.7)	1185 (46.7)	1315 (51.8)	1265 (49.8)
D	Max.lift above ground	mm(in)	1180 (46.5)	1130 (44.5)	1210 (47.6)	1300 (51.2)
E	Max.drop below ground	mm(in)	440 (17.3)	585 (23.0)	500 (19.7)	430 (16.9)
F	Max.tilting adjustment	mm(in)	780 (30.7)	860 (33.9)	805 (31.7)	800 (31.5)
	Digging angle	degree	55±5	55	55±5	55±5

* Blade capacities are based on the SAE J1265.

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Item		Model	D85A-21 D85A-21B	D85E-21	D85P-21	D150A-1 D155A-1
OPERATING WEIGHT		kg(lb)	23190 (51,120) 22730 (50,110)	23550 (51,920)	25725 (56,710)	33460 (73,770) 33460 (73,770)
BLADE CAPACITY	LH²	m³(cu.yd)	7.3 (9.55)	7.3 (9.55)	8.4 (10.99)	10.4 (13.6)
	SAE		*4.7 (6.15)	*4.7 (6.15)	*5.9 (7.72)	*7.8 (10.2)
DIMENSION						
A	Overall length	mm(in)	5500 (216.5) 5790 (228.0)	5500 (216.5)	6060 (238.6)	6560 (258.3)
B	Overall width	mm(in)	3725 (146.7)	3725 (146.7)	4365 (171.9)	4130 (162.6)
C	Overall height	mm(in)	3365 (132.5)	3365 (132.5)	3400 (133.9)	3640 (143.3) 3725 (146.7)
	Ground pressure	kg/cm²(P.S.I)	0.73 (10.38) 0.75 (10.67)	0.69 (9.81)	0.41 (5.83)	0.955 (13.58)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	4480 (9,880)	4480 (9,880)	3925 (8,650)	6540 (14,420)
	Length	mm(in)	3725 (146.7)	3725 (146.7)	4365 (171.9)	4130 (162.6)
	Height	mm(in)	1390 (54.7)	1390 (54.7)	1390 (54.7)	1590 (62.6)
D	Max.lift above ground	mm(in)	1210 (47.6)	1360 (53.5)	1210 (47.6)	1560 (61.4)
E	Max.drop below ground	mm(in)	540 (21.3)	540 (21.3)	540 (21.3)	560 (22.0)
F	Max.tilting adjustment	mm(in)	735 (28.9)	735 (28.9)	500 (19.7)	1000 (39.4)
	Digging angle	degree	55	55	55	52

* Blade capacities are based on the SAE J1265.

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Item		Model	D355A-3	D375A-1	D455A-1	D475A-1
OPERATING WEIGHT		kg(lb)	44990 (99,180)	53800 (118,610)	69800 (153,880)	81760 (180,250)
BLADE CAPACITY	LH[2]	m^3(cu.yd)	15.2 (19.9)	20.2 (26.4)	21.9 (28.6)	29.2 (38.2)
	SAE		*11.4 (14.9)	*15.7 (20.5)	*16.2 (21.2)	*23.5 (30.7)
DIMENSION						
A	Overall length	mm(in)	7120 (280.3)	7385 (290.7)	8090 (318.5)	8415 (331.3)
B	Overall width	mm(in)	4315 (169.9)	4600 (181.1)	4800 (189.0)	5200 (204.7)
C	Overall height	mm(in)	4125 (162.4)	4330 (170.5)	4430 (174.4)	4400 (173.2)
	Ground pressure	kg/cm[2](P.S.I)	1.10 (15.64)	1.18 (16.78)	1.17 (16.64)	1.37 (19.48)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	8710 (19,200)	9040 (19,930)	11600 (25,570)	14460 (31,880)
	Length	mm(in)	4315 (169.9)	4600 (181.1)	4800 (189.0)	5200 (204.7)
	Height	mm(in)	1875 (73.8)	2095 (82.5)	2135 (84.1)	2370 (93.3)
D	Max.lift above ground	mm(in)	1545 (60.8)	1510 (59.4)	1720 (67.7)	1620 (63.8)
E	Max.drop below ground	mm(in)	700 (27.6)	745 (29.3)	820 (32.3)	800 (31.5)
F	Max.tilting adjustment	mm(in)	1000 (39.4)	1180 (46.5)	1100 (43.3)	1250 (49.2)
	Digging angle	degree	52	55	55	52

* Blade capacities are based on the SAE J1265.

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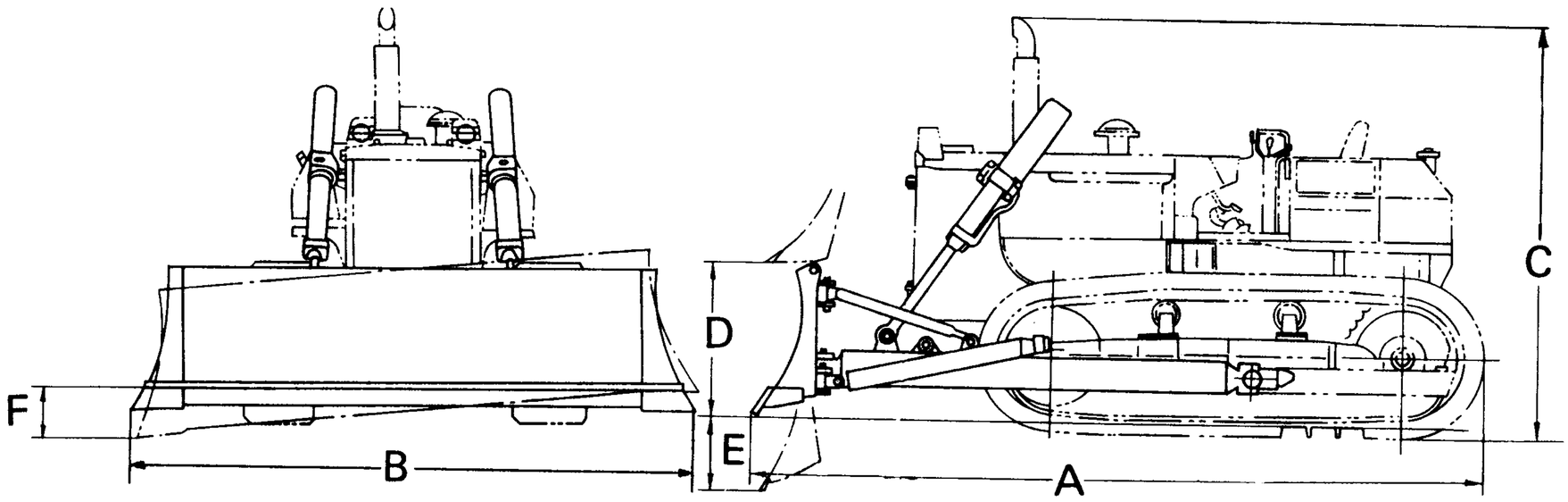

Item	Model	D40A-3 D41A-3	D40P-3 D41P-3	D50A-17 D53A-17	D50P-17 D53P-17
OPERATING WEIGHT	kg(lb)	9680 (21,340)	10480 (23,100)	12250 (27,010)	14480 (31,920)
		9680 (21,340)	10480 (23,100)	12810 (28,240)	14680 (32,360)
BLADE CAPACITY LH² SAE	m³ (cu.yd)	1.78 (2.32)	1.90 (2.50)	2.87 (3.75)	3.11 (4.07)
DIMENSION					
A Overall length	mm(in)	4250 (167.3)	4790 (188.5)	4765 (187.6)	5440 (214.2)
			4745 (186.8)		
B Overall width	mm(in)	3180 (125.2)	3485 (137.2)	3745 (147.4)	4305 (169.5)
C Overall height	mm(in)	2815 (110.8)	2815 (110.8)	2900 (114.2)	2970 (116.9)
Ground pressure	kg/cm²	0.588 (8.36)	0.28 (3.98)	0.60 (8.53)	0.27 (3.84)
	(P.S.I)	0.588 (8.36)	0.29 (4.12)	0.58 (8.25)	0.28 (3.98)
DOZER EQUIPMENT					
Weight(Includes hydraulic control unit)	kg(lb)	1290 (2,840)	1390 (3,060)	2040 (4,500)	2150 (4,740)
Length	mm(in)	3180 (125.2)	3485 (137.2)	3745 (147.4)	4305 (169.5)
Height	mm(in)	750 (29.5)	740 (29.1)	875 (34.4)	850 (33.5)
D Max. lift above ground	mm(in)	885 (34.8)	960 (37.8)	930 (36.6)	1280 (50.4)
E Max. drop below ground	mm(in)	415 (16.3)	380 (15.0)	590 (23.2)	445 (17.5)
F Max. tilting adjustment	mm(in)	460 (18.1)	350 (13.8)	400 (15.7)	400 (15.7)
Digging angle	degree	55	55	55	56

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Item		Model	D58E-1	D60A-8 D65A-8	D60E-8 D65E-8	D60P-8 D65P-8
OPERATING WEIGHT		kg(lb)	12910 (28,460)	15690 (34,590) 15890 (35,030)	16570 (36,530) 16770 (36,970)	17430 (38,430) 18080 (39,860)
BLADE CAPACITY	LH²	m³	3.21 (4.20)	4.32 (5.73)	4.32 (5.73)	4.12 (5.39)
	SAE	(cu.yd)	*2.42 (3.17)	*3.10 (4.05)	*3.10 (4.05)	*3.30 (4.32)
DIMENSION						
A	Overall length	mm(in)	4765 (187.6)	5135 (202.2)	5345 (210.4)	5825 (229.3)
B	Overall width	mm(in)	3745 (147.4)	3970 (156.3)	3970 (156.3)	4475 (176.2)
C	Overall height	mm(in)	2900 (114.2)	3020 (118.9)	3020 (118.9)	3055 (120.3)
	Ground pressure	kg/cm² (P.S.I)	0.59 (8.39)	0.63 (8.96) 0.64 (9.10)	0.615 (8.75) 0.625 (8,89)	0.29 (4.12) 0.30 (4.27)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	2060 (4,540)	2730 (6,020)	3080 (6,790)	2640 (5,820)
	Length	mm(in)	3745 (147.4)	3970 (156.3)	3970 (156.3)	4475 (176.2)
	Height	mm(in)	926 (36.5)	1050 (41.3)	1050 (41.3)	960 (37.8)
D	Max. lift above ground	mm(in)	930 (36.6)	1110 (43.7)	1250 (49.2)	1230 (48.4)
E	Max. drop below ground	mm(in)	590 (23.2)	530 (20.9)	540 (21.3)	490 (19.3)
F	Max. tilting adjustment	mm(in)	400 (15.7)	400 (15.7)	400 (15.7)	440 (17.3)
	Digging angle	degree	55	55	55	55

* : Blade capacities are based on the SAE J1265.

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Item		Model	D63E-1	D75A-1	D83E-1	D85A-21
OPERATING WEIGHT		kg(lb)	13650 (30,090)	17100 (37,700)	20170 (44,470)	23320 (51,410)
BLADE CAPACITY	LH²	m³	3.21 (4.20)	4.69 (6.13)	4.81 (6.29)	5.6 (7.32)
	SAE	(cu.yd)	* 2.42 (3.17)	*3.5 (4.58)	*3.40 (4.45)	*3.9 (5.10)
DIMENSION						
A	Overall length	mm(in)	4855 (191.1)	5455 (214.8)	5880 (231.5)	5810 (228.7)
B	Overall width	mm(in)	3745 (147.4)	4250 (167.3)	4365 (171.9)	4365 (171.9)
C	Overall height	mm(in)	2910 (114.6)	3020 (118.9)	3005 (118.3)	3365 (132.5)
	Ground pressure	kg/cm² (P.S.I)	0.55 (7.82)	0.61 (8.67)	0.61 (8.67)	0.73 (10.38)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	2060 (4,540)	3070 (6,770)	3600 (7,940)	4610 (10,160)
	Length	mm(in)	3745 (147.4)	4250 (167.3)	4365 (171.9)	4365 (171.9)
	Height	mm(in)	926 (36.5)	1050 (41.3)	1050 (41.3)	1130 (44.5)
D	Max. lift above ground	mm(in)	930 (36.6)	1250 (49.2)	1230 (48.4)	1310 (51.6)
E	Max. drop below ground	mm(in)	590 (23.2)	540 (21.3)	520 (20.5)	560 (22.0)
F	Max. tilting adjustment	mm(in)	400 (15.7)	400 (15.7)	400 (15.7)	500 (19.7)
	Digging angle	degree	55	55	55	55.6

* : Blade capacities are based on the SAE J1265.

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Item		Model	D85A-21B	D85E-21	D150A-1 D155A-1	D355A-3
OPERATING WEIGHT		kg(lb)	22860 (50,400)	23680 (52,200)	33440 (73,720)	44350 (97,770)
BLADE CAPACITY	LH^2	m^3	5.6 (7.32)	5.6 (7.32)	6.30 (8.64)	9.53 (12.46)
	SAE	(cu.yd)	*3.9 (5.10)	*3.9 (5.10)	*4.58 (5.99)	*6.78 (8.87)
DIMENSION						
A	Overall length	mm(in)	6100 (240.2)	6020 (237.0)	6620 (260.6)	7215 (284.1)
B	Overall width	mm(in)	4365 (171.9)	4365 (171.9)	4850 (190.9)	5230 (205.9)
C	Overall height	mm(in)	3365 (132.5)	3365 (132.5)	3640 (143.3) 3725 (146.7)	4125 (162.4)
	Ground pressure	kg/cm² (P.S.I)	0.75 (10.67)	0.69 (9.81)	0.954 (13.57)	1.08 (15.4)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	4610 (10,160)	4610 (10,160)	6520 (14,370)	8070 (17,790)
	Length	mm(in)	4365 (171.9)	4365 (171.9)	4850 (190.9)	5230 (205.9)
	Height	mm(in)	1130 (44.5)	1130 (44.5)	1140 (44.9)	1350 (53.1)
D	Max. lift above ground	mm(in)	1310 (51.6)	1425 (56.1)	1520 (59.8)	1640 (64.6)
E	Max. drop below ground	mm(in)	560 (22.0)	580 (22.8)	630 (24.8)	720 (28.3)
F	Max. tilting adjustment	mm(in)	500 (19.7)	500 (19.7)	400 (15.7)	550 (21.7)
	Digging angle	degree	55.6	55.6	55	55

* : Blade capacities are based on the SAE J1265.

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Item		Model	D375A-1			
OPERATING WEIGHT		kg(lb)	52810 (11,640)			
BLADE CAPACITY	LH²	m³	11.7 (15.30)			
	SAE	(cu.yd)	*8.5 (11.12)			
DIMENSION						
A	Overall length	mm(in)	6540 (257.5)			
B	Overall width	mm(in)	5725 (225.4)			
C	Overall height	mm(in)	4330 (170.5)			
	Ground pressure	kg/cm² (P.S.I)	1.16 (16.50)			
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	8050 (17,750)			
	Length	mm(in)	5725 (225.4)			
	Height	mm(in)	1465 (57.7)			
D	Max. lift above ground	mm(in)	1660 (65.4)			
E	Max. drop below ground	mm(in)	870 (34.3)			
F	Max. tilting adjustment	mm(in)	900 (35.4)			
	Digging angle	degree	55			

* : Blade capacities are based on the SAE J1265.

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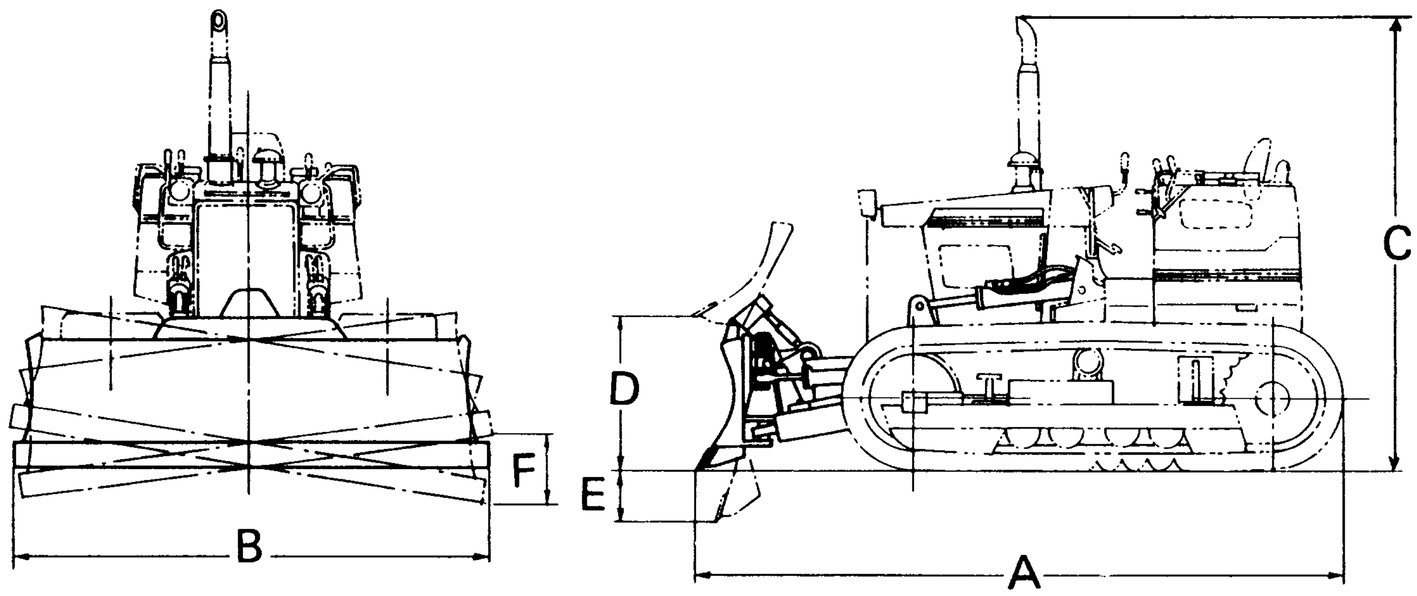

Item \ Model			D20A-6 D21A-6	D21E-6	D20P-6A D21P-6A	D21P-6B
OPERATING WEIGHT		kg(lb)	3580 (7,890) 3630 (8,000)	3770 (8,310)	3970 (8,750) 4020 (8,860)	4070 (8,970)
BLADE CAPACITY	LH2	m^3	0.76 (0.99)	0.76 (0.99)	0.89 (1.16)	0.89 (1.16)
	SAE	(cu.yd)	*0.57 (0.75)	*0.57 (0.75)	*0.68 (0.89)	*0.68 (0.89)
DIMENSION						
A	Overall length	mm(in)	3250 (128.0)	3290 (129.5)	3260 (128.3)	3290 (129.5)
B	Overall width	mm(in)	2170 (85.4)	2170 (85.4)	2560 (100.8)	2560 (100.8)
C	Overall height	mm(in)	2165 (85.2)	2165 (85.2)	2185 (86.0)	2165 (85.2)
	Ground pressure	kg/cm2 (P.S.I)	0.354 (5.03)	0.305 (4.34)	0.234 (3.33)	0.219 (3.11)
DOZER EQUIPMENT						
	Type					
	Weight(Includes hydraulic control unit)	kg(lb)	550 (1,210)	560 (1,230)	580 (1,280)	590 (1,300)
	Length	mm(in)	2170 (85.4)	2170 (85.4)	2560 (100.8)	2560 (100.8)
D	Height	mm(in)	590 (23.2)	590 (23.2)	590 (23.2)	590 (23.2)
E	Max. lift above ground	mm(in)	790 (31.1)	800 (31.5)	850 (33.5)	800 (31.5)
F	Max. drop below ground	mm(in)	385 (15.2)	380 (15.0)	325 (12.8)	380 (15.0)
	Max. tilting adjustment	mm(in)	250 (9.8)	250 (9.8)	280 (11.0)	280 (11.0)
	Blade angle	degree	25	25	25	25

* Blade capacities are based on the SAE J1265.

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Item		Model	D31E-18	D31P-18A	D37E-2	D37P-2
OPERATING WEIGHT		kg(lb)	6160 (13,580)	6810 (15,010)	6350 (14,000)	6820 (15,040)
BLADE CAPACITY	LH²	m³	1.70 (2.22)	1.80 (2.35)	2.13 (2.79)	2.30 (3.01)
	SAE	(cu.yd)	*1.26 (1.65)	*1.30 (1.70)	*1.49 (1.95)	*1.62 (2.12)
DIMENSION						
A	Overall length	mm(in)	3710 (146.1)	3940 (155.1)	3950 (155.5)	3940 (155.1)
B	Overall width	mm(in)	2415 (95.1)	2875 (113.2)	2415 (95.1)	2875 (113.2)
C	Overall height	mm(in)	2675 (105.3)	2695 (106.1)	2675 (105.3)	2730 (107.5)
	Ground pressure	kg/cm² (P.S.I)	0.487 (6.93)	0.26 (3.70)	0.432 (6.14)	0.258 (3.67)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Inside mount	Inside mount
	Weight(Includes hydraulic control unit)	kg(lb)	1030 (2,270)	1080 (2,380)	1040 (2,290)	1080 (2,380)
	Length	mm(in)	2415 (95.1)	2875 (113.2)	2415 (95.1)	2875 (113.2)
	Height	mm(in)	840 (33.1)	790 (31.1)	940 (37.0)	895 (35.2)
D	Max. lift above ground	mm(in)	865 (34.1)	935 (36.8)	865 (34.1)	935 (36.8)
E	Max. drop below ground	mm(in)	370 (14.6)	300 (11.8)	370 (14.6)	300 (11.8)
F	Max. tilting adjustment	mm(in)	350 (13.8)	420 (16.5)	350 (13.8)	420 (16.5)
	Blade angle	degree	25	25	25	25

* Blade capacities are based on the SAE J1265.

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Item		Model	D40A-3 D41A-3	D41A-3A	D41E-3* *	
OPERATING WEIGHT		kg(lb)	10350 (22,820)	10810 (23,830)	11180 (24,650)	
BLADE CAPACITY	LH²	m³	1.84 (2.40)	2.27 (2.97)	2.20 (2.88)	
	SAE	(cu.yd)			*1.63 (2.13)	
DIMENSION						
A	Overall length	mm(in)	4455 (175.4)	4500 (177.2)	4480 (176.4)	
B	Overall width	mm(in)	3190 (125.6)	2995 (117.9)	3190 (125.6)	
C	Overall height	mm(in)	2795 (110.0)	2795 (110.0)	2795 (110.0)	
	Ground pressure	kg/cm² (P.S.I)	0.63 (8.96)	0.53 (7.54)	0.55 (7.82)	
DOZER EQUIPMENT						
	Type		Outside mount	Inside mount	Outside mount	
	Weight(Includes hydraulic control unit)	kg(lb)	1960 (4,320)	1780 (3,920)	1980 (4360)	
	Length	mm(in)	3190 (125.6)	2995 (117.9)	3190 (125.6)	
	Height	mm(in)	760 (29.9)	870 (34.3)	830 (32.7)	
D	Max. lift above ground	mm(in)	1035 (40.7)	970 (38.2)	1035 (40.7)	
E	Max. drop below ground	mm(in)	405 (15.9)	395 (15.6)	405 (15.9)	
F	Max. tilting adjustment	mm(in)	370 (14.6)	365 (14.4)	370 (14.6)	
	Blade angle	degree	25	25	25	

* Blade capacities are based on the SAE J1265.

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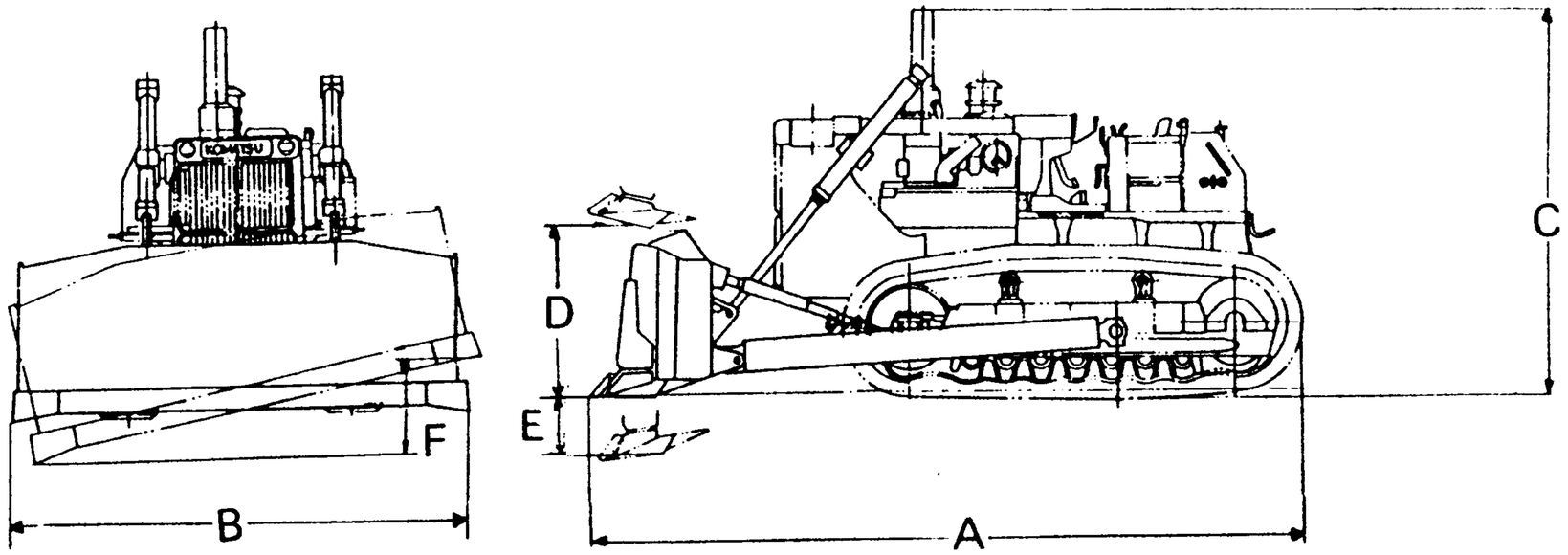

Item	Model		D85A-21 D85E-21	D150A-1 D155A-1	D355A – 3	D375A – 1
OPERATING WEIGHT		kg(lb)	23600 (52,030) 23960 (52,820)	34160 (75,310)	45990 (101,390)	54670 (120,530)
BLADE CAPACITY	LH[2]	m^3	6.98 (9.13)	10.68 (13.97)	16.58 (21.69)	21.9 (28.65)
	SAE	(cu.yd)	*6.65 (8.70)	*9.82 (12.84)	*15.09 (19.73)	*19.5 (25.51)
DIMENSION						
A	Overall length	mm(in)	6065 (238.8)	6975 (274.6)	7600 (299.2)	7695 (303.0)
B	Overall width	mm(in)	3860 (152.0)	4225 (166.3)	4715 (185.6)	4980 (196.1)
C	Overall height	mm(in)	3365 (132.5)	3640 (143.3) 3725 (146.7)	4125 (162.4)	4330 (170.5)
	Ground pressure	kg/cm^2 (P.S.I)	0.74 (10.52)	0.975 (13.86)	1.12 (15.93)	1.2 (17.06)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	4890 (10,780)	7240 (15,960)	9710 (21,410)	9910 (21,850)
	Length	mm(in)	3860 (152.0)	4225 (166.3)	4715 (185.6)	4980 (196.1)
	Height	mm(in)	1345 (53.0)	1590 (62.6)	1875 (73.8)	2095 (82.5)
D	Max.lift above ground	mm(in)	1210 (47.6)	1560 (61.4)	1545 (60.8)	1510 (59.4)
E	Max.drop below ground	mm(in)	540 (21.3)	560 (22.0)	700 (27.6)	745 (29.3)
F	Max.tilting adjustment	mm(in)	755 (29.7)	1020 (40.2)	1000 (39.4)	1290 (50.8)

* Blade capacities are based on the SAE J1265

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Item		Model	D455A-1	D455A-1	D475A-1	
OPERATING WEIGHT		kg(lb)	70400 (155,200)	71700 (158,070)	83300 (183,640)	
BLADE CAPACITY	LH²	m^3	26.1 (34.1)	31.9 (41.7)	31.9 (41.73)	
	SAE	(cu.yd)	*21.7 (28.4)	*28.0 (36.6)	*28.6 (37.41)	
DIMENSION						
A	Overall length	mm(in)	8600 (338.6)	8750 (344.5)	8960 (352.8)	
B	Overall width	mm(in)	5025 (197.8)	6140 (241.7)	6140 (241.7)	
C	Overall height	mm(in)	4430 (174.4)	4430 (174.4)	4400 (173.2)	
	Ground pressure	kg/cm^2 (P.S.I)	1.18 (16.78)	1.21 (17.21)	1.4 (19.91)	
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	12200 (26,900)	13500 (29,760)	16000 (35,270)	
	Length	mm(in)	5025 (197.8)	6140 (241.7)	6140 (241.7)	
	Height	mm(in)	2280 (89.8)	2280 (89.8)	2280 (89.8)	
D	Max.lift above ground	mm(in)	1730 (68.1)	1730 (68.1)	1620 (63.8)	
E	Max.drop below ground	mm(in)	820 (32.3)	820 (32.3)	800 (31.5)	
F	Max.tilting adjustment	mm(in)	1140 (44.9)	1405 (55.3)	1475 (58.1)	

* Blade capacities are based on the SAE J1265

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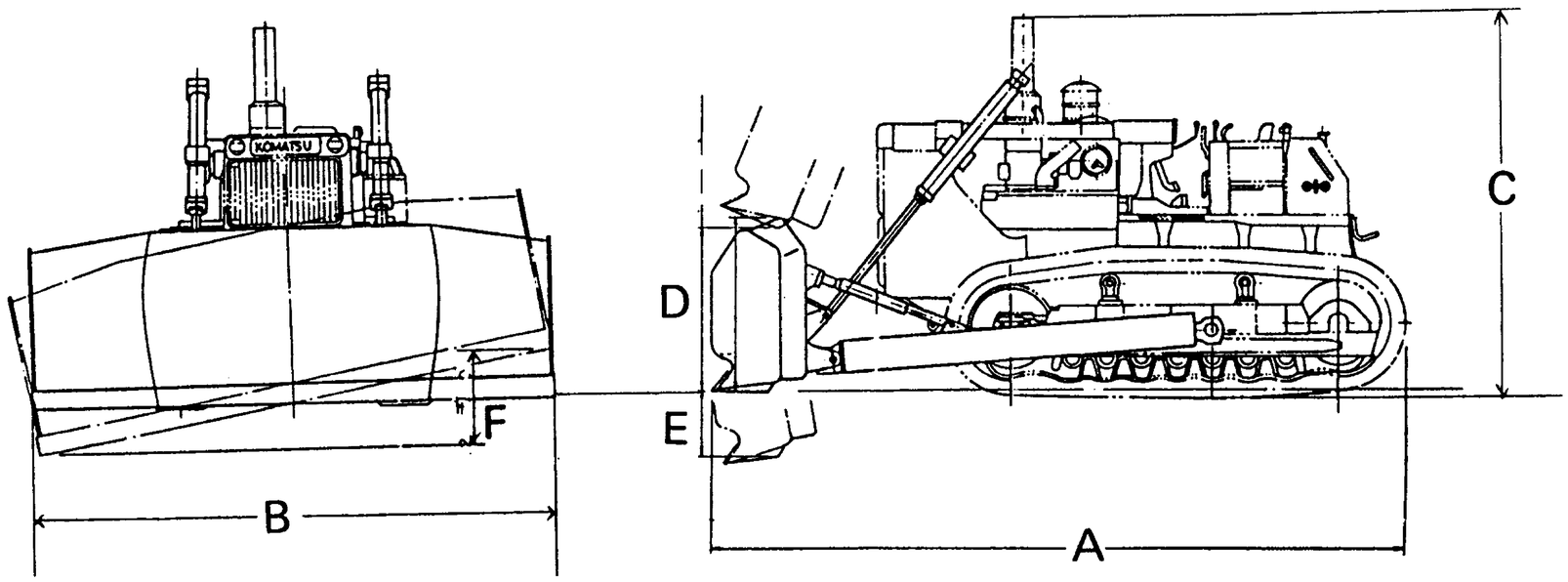

Item		Model /	D150A-1 D155A-1	D150A-1 D155A-1		
OPERATING WEIGHT		kg(lb)	33500 (73,850)	33310 (73,440)		
BLADE CAPACITY	LH2 SAE	m^3 (cu.yd)	17.2 (22.5)	17.2 (22.5)		
DIMENSION						
A	Overall length	mm(in)	6995 (275.4)	7020 (276.4)		
B	Overall width	mm(in)	5300 (208.7)	5300 (208.7)		
C	Overall height	mm(in)	3640 (143.3)	3640 (143.3)		
			3725 (146.7)	3725 (146.7)		
	Ground pressure	kg/cm^2 (P.S.I)	0.956 (13.59)	0.951 (13.52)		
DOZER EQUIPMENT			coal dozer	coal dozer with power tilt		
	Type					
	Weight(Includes hydraulic control unit)	kg(lb)	6580 (14,510)	6390 (14,090)		
	Lenght	mm(in)	5300 (208.7)	5300 (208.7)		
	Heigth	mm(in)	1800 (70.9)	1800 (70.9)		
D	Max.lift above ground	mm(in)	1565 (61.6)	1620 (63.8)		
E	Max.drop below ground	mm(in)	575 (22.6)	545 (21.5)		
F	Max.tilting adjustment	mm(in)	–	1270 (50.0)		

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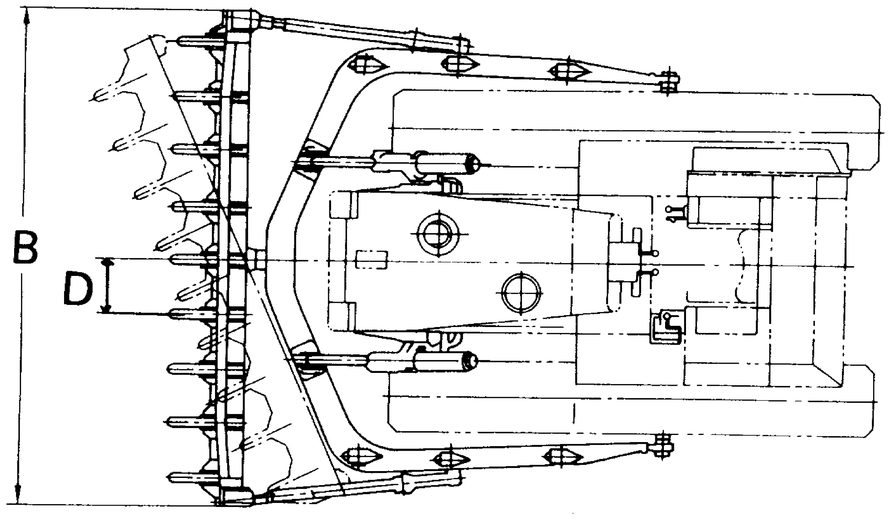

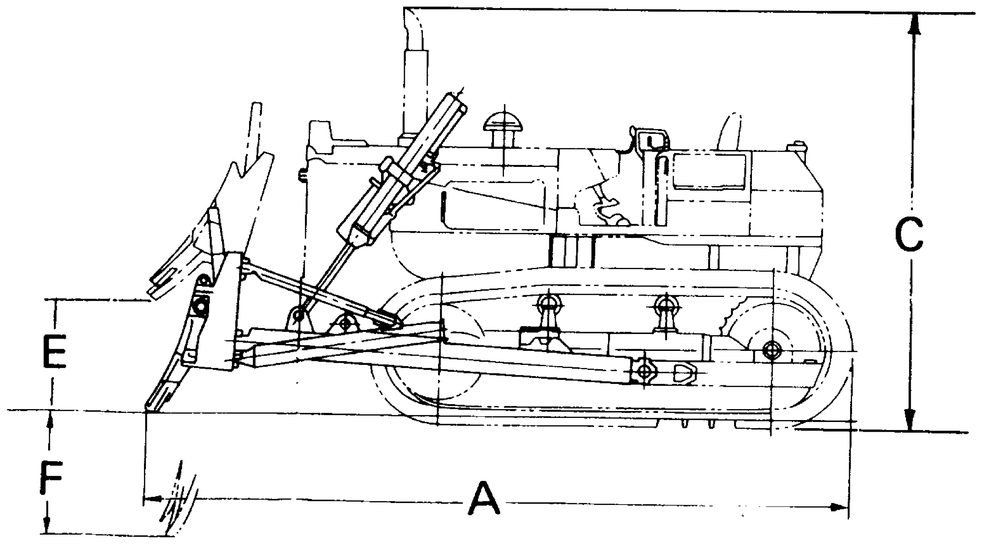

Item		Model	D50A – 17 D53A – 17	D60A-8 D65A-8	D60E – 8 D65E – 8	
OPERATING WEIGHT		kg(lb)	*13230 (29,170) *13790 (30,400)	16480 (36,330) 16680 (36,770)	17080 (37,650) 17280 (38,100)	
DIMENSION						
A	Overall length	mm(in)	5025 (197.8)	5445 (214.4)	5745 (226.2)	
B	Overall width	mm(in)	3460 (136.2)	3590 (141.3)	3630 (142.9)	
C	Overall height	mm(in)	2900 (114.2)	3020 (118.9)	3020 (118.9)	
	Ground pressure	kg/cm^2 (P.S.I)	0.65 (9.24) 0.63 (8.96)	0.65 (9.24) 0.66 (9.39)	0.63 (8.96) 0.64 (9.10)	
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	2390 (5,270)	3520 (7,760)	3590 (7,910)	
	Length	mm(in)	3460 (136.2)	3590 (141.3)	3630 (142.9)	
	Height	mm(in)	1595 (62.8)	1515 (59.6)	1540 (60.6)	
	Digging angle	degree	55	55	55	
	No.of teeth		9	9	9	
	Tooth length	mm(in)	340 (13.4)/ 440 (17.3)	340 (13.4)/ 440 (17.3)	365 (14.4)	
D	Tooth pitch	mm(in)	390 (15.4)	390 (15.4)	400 (15.7)	
E	Max.lift above ground	mm(in)	850 (33.5)	925 (36.4)	1130 (44.5)	
F	Max.drop below ground	mm(in)	775 (30.5)	785 (30.9)	795 (31.3)	

* Openating weight including counterweight.

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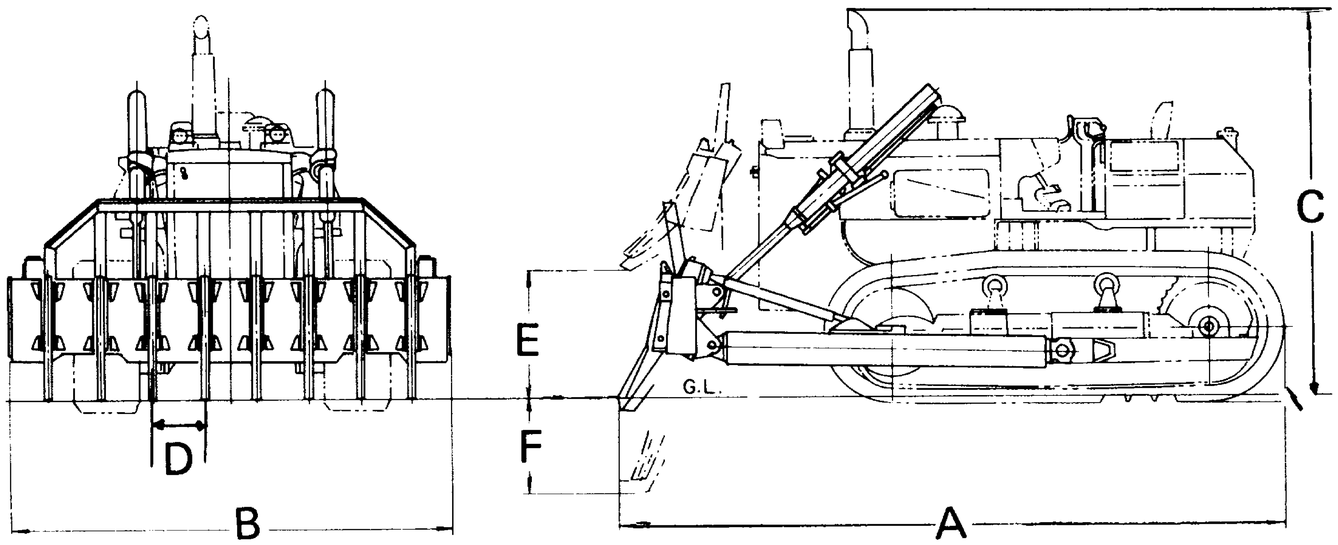

Item		Model	D50P-17 D53P-17	D60A-8 D65A-8	D60P – 8 D65P – 8	D60P – 8 D65P – 8
OPERATING WEIGHT		kg(lb)	14690 (32,390) 14890 (32,830)	16380 (36,110) 16580 (36,550)	17910 (39,480) 18560 (40,920)	18250 (40,230) 18900 (41,670)
DIMENSION						
A	Overall length	mm(in)	5395 (212.4)	5360 (211.0)	5810 (228.7)	5730 (225.6)
B	Overall width	mm(in)	3460 (136.2)	3310 (130.3)	3870 (152.4)	3870 (152.4)
C	Overall height	mm(in)	2970 (116.9)	3020 (118.9)	3055 (120.3)	3055 (120.3)
	Ground pressure	kg/cm²	0.28 (3.98)	0.64 (9.10)	0.30 (4.27)	0.31 (4.41)
		(P.S.I)	0.28 (3.98)	0.65 (9.24)	0.31 (4.41)	0.32 (4.55)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	2360 (5,200)	3420 (7,540)	3120 (6,880)	3460 (7,630)
	Length	mm(in)	3460 (136.2)	3310 (130.3)	3870 (152.4)	3870 (152.4)
	Height	mm(in)	1595 (62.8)	1500 (59.1)	1590 (62.6)	1600 (63.0)
	Digging angle	degree	55	55	55	55
	No.of teeth		9	8	9	10
	Tooth length	mm(in)	340 (13.4)/ 440 (17.3)	340 (13.4)/ 440 (17.3)	340 (13.4)	340 (13.4)/ 440 (17.3)
D	Tooth pitch	mm(in)	390 (15.4)	390 (15.4)	420 (16.5)	390 (15.4)
E	Max.lift above ground	mm(in)	990 (39.0)	1060 (41.7)	1000 (39.4)	1140 (44.9)
F	Max.drop below ground	mm(in)	685 (27.0)	655 (25.8)	700 (27.6)	540 (21.3)

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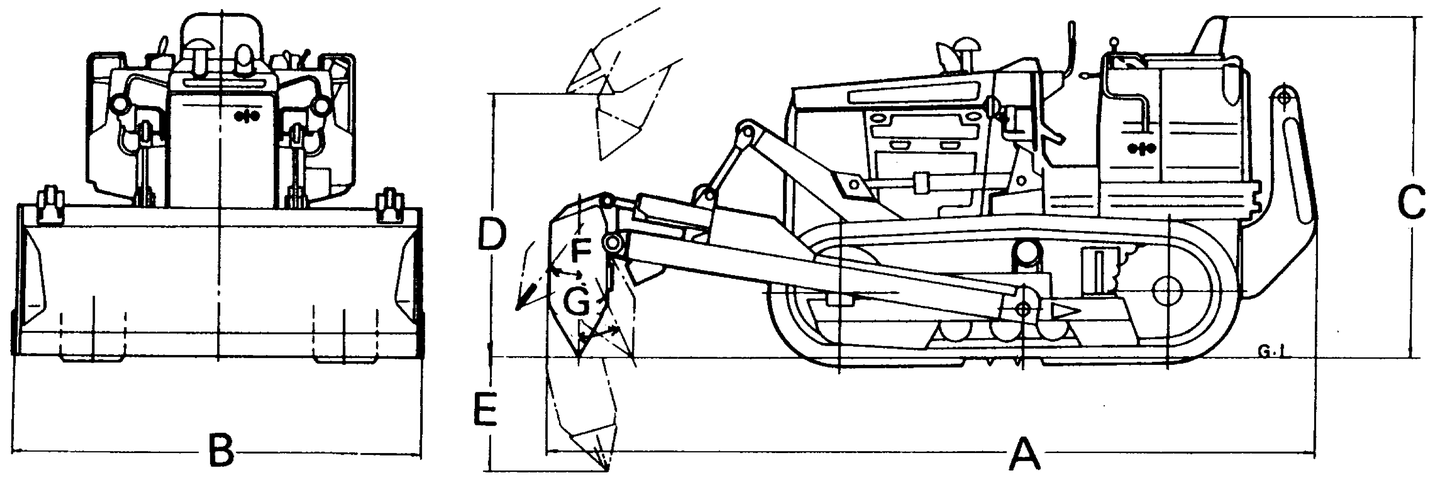

Item		Model	D20A-6 D21A-6	D31E-18	D40A-3 D41A-3	D53A-17
OPERATING WEIGHT		kg(lb)	4070 (8,970) 4000 (8,820)	6800 (14,990)	10540 (23,240)	13460 (29,670)
DIMENSION						
A	Overall length	mm(in)	3835 (151.0)	4510 (177.6)	5120 (201.6)	5510 (216.9)
B	Overall width	mm(in)	2050 (80.7)	2310 (90.9)	2620 (103.1)	2890 (113.8)
C	Overall height	mm(in)	1715 (67.5)	1955 (77.0)		2365 (93.1)
	Ground pressure	kg/cm² (P.S.I)	0.37 (5.26)	0.45 (6.40)	0.64 (9.10)	0.62 (8.82)
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	750 (1,650)	1380 (3,040)	1770 (3,900)	2100 (4,630)
	Length	mm(in)	2050 (80.7)	2310 (90.9)	2620 (103.1)	2890 (113.8)
	Height	mm(in)	610 (24.0)	750 (29.5)	850 (33.5)	930 (36.6)
D	Max. lift above ground	mm(in)	1480 (58.3)	1480 (58.3)	1435 (56.5)	1690 (66.5)
E	Max. drop below ground	mm(in)	840 (33.1)	710 (28.0)	670 (26.4)	730 (28.7)
	Max. pitch adjustment					
F	Forward	degree	38	38	38	50
G	Reverse	degree	26	26	25	25

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Item		Model	D85A-21			
OPERATING WEIGHT		kg(lb)	23440 (51,680)			
DIMENSION						
A	Overall length	mm(in)	6310 (248.4)			
B	Overall width	mm(in)	3410 (134.3)			
C	Overall height	mm(in)	3365 (132.5)			
	Ground pressure	kg/cm² (P.S.I)	0.74 (10.52)			
DOZER EQUIPMENT						
	Weight(Includes hydraulic control unit)	kg(lb)	4730 (10,430)			
	Length	mm(in)	3410 (134.3)			
	Height	mm(in)	1185 (46.7)			
D	Max. lift above ground	mm(in)	1770 (69.7)			
E	Max. drop below ground	mm(in)	710 (28.0)			
	Max. pitch adjustment					
F	Forward	degree	27.5			
G	Reverse	degree	24.4			

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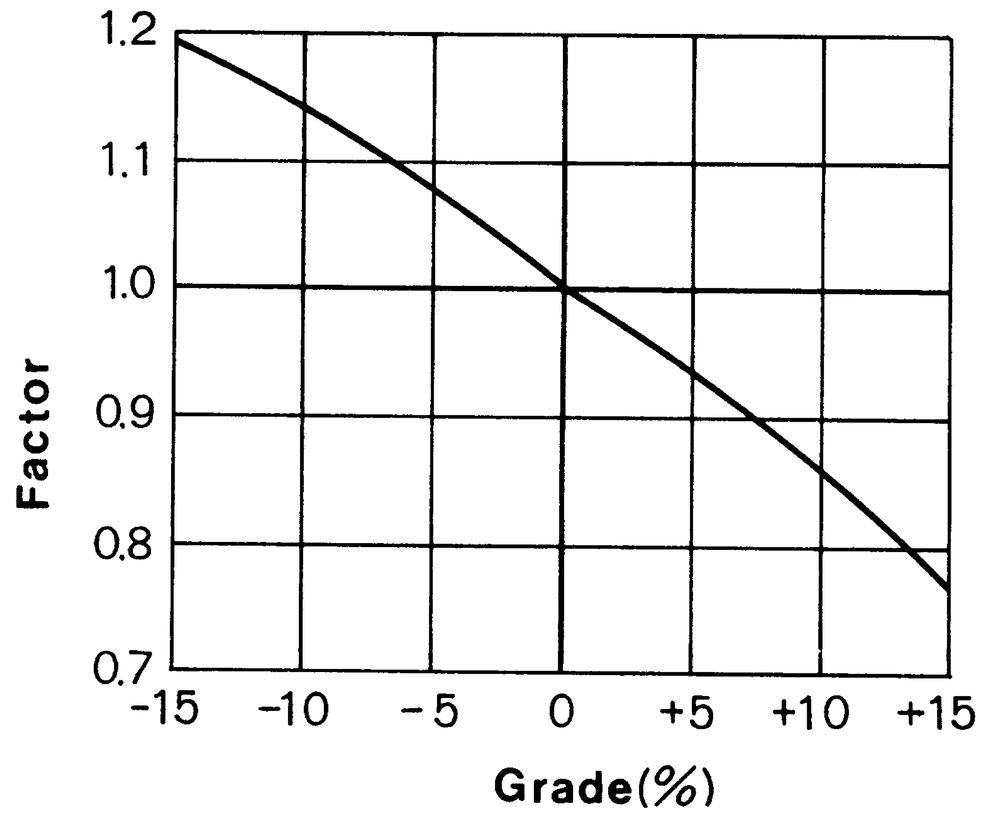
The bulldozer production curves give maximum uncorrected production and are based on the following conditions.

1. 100% efficiency
2. 0.05 min. fixed times (for gear shifting)
3. Machine cuts for 15 m (50 ft), then drifts blade load.
4. Gear

Machines with F3/R3	Machines with F4/R4
Cut : F1	Cut : F1
Carry : F2	Carry : F2, F3
Return : R2	Return : R3

Actual Production = Estimated Production x Correction Factor

Grade factor (e)



Correction Factor

BLADE FACTOR	
● Easy	1.1 ~ 0.9
● Average	0.9 ~ 0.7
● Rather difficult	0.7 ~ 0.6
● Difficult	0.6 ~ 0.4
JOB EFFICIENCY	
● Good	0.83
● Average	0.75
● Rather poor	0.67
● Poor	0.58
GRADE FACTOR	See following table

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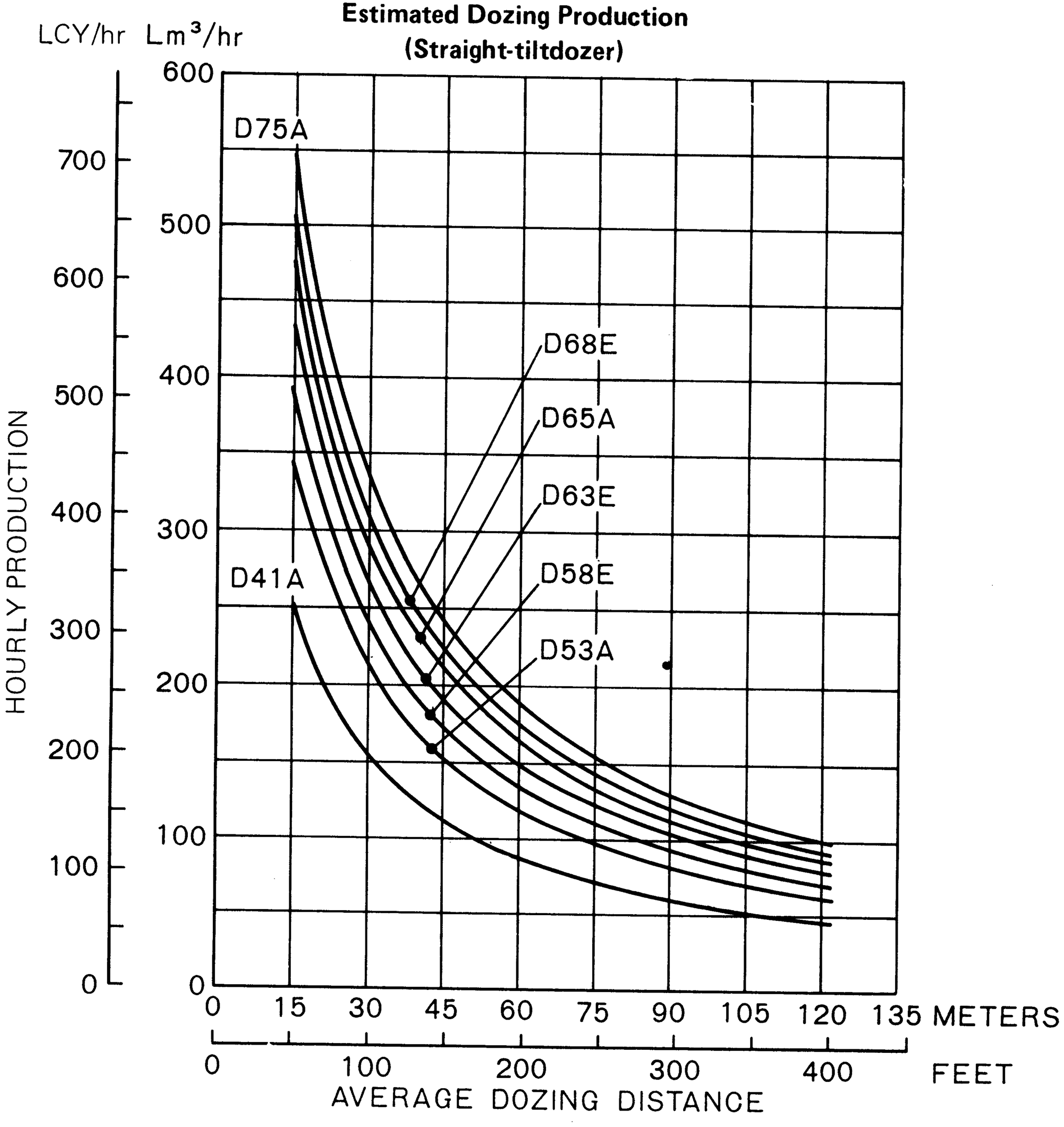
Estimated Dozing Production (Straight-tiltdozer)



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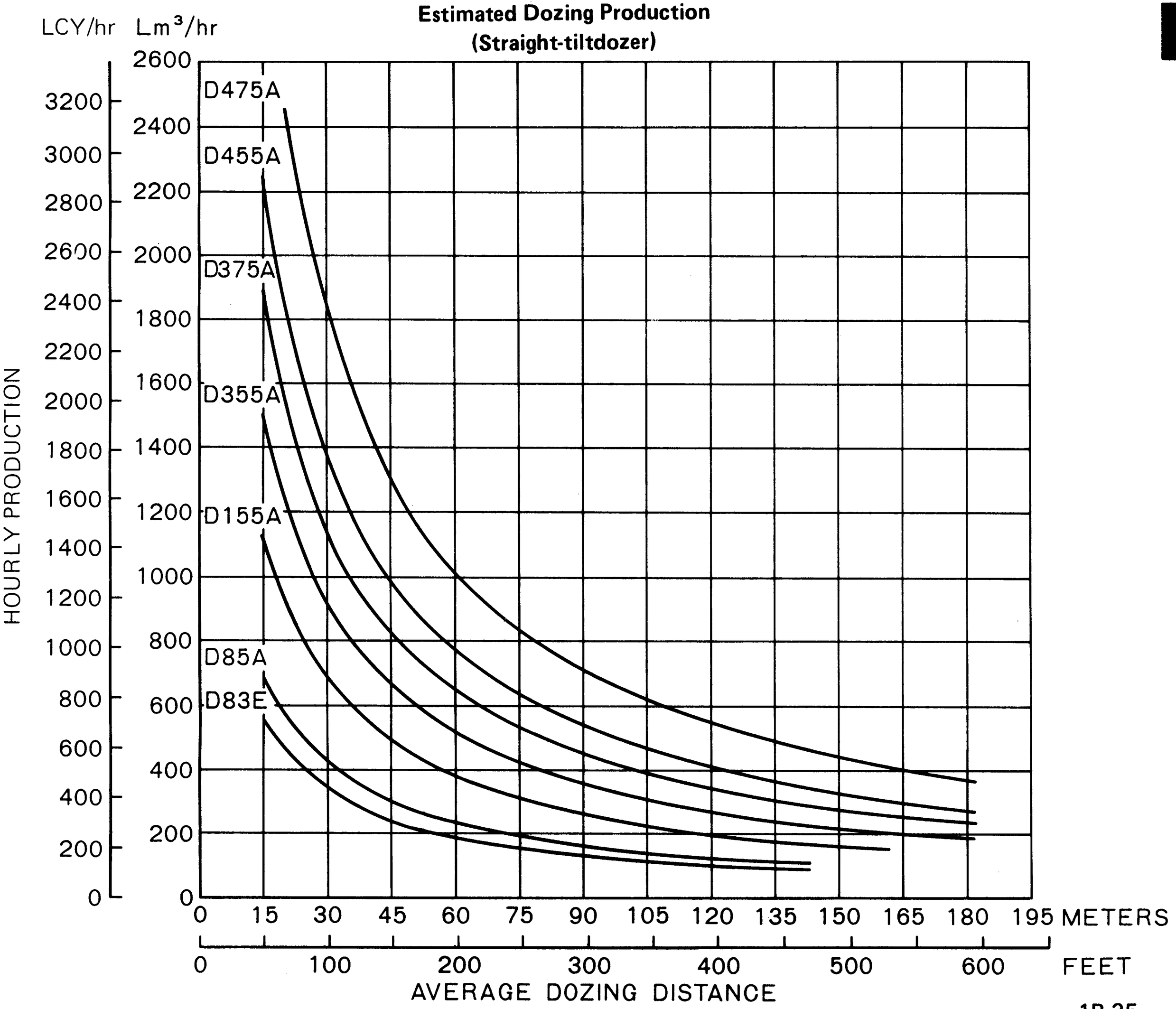
Estimated Dozing Production
(Straight-tiltdozer)



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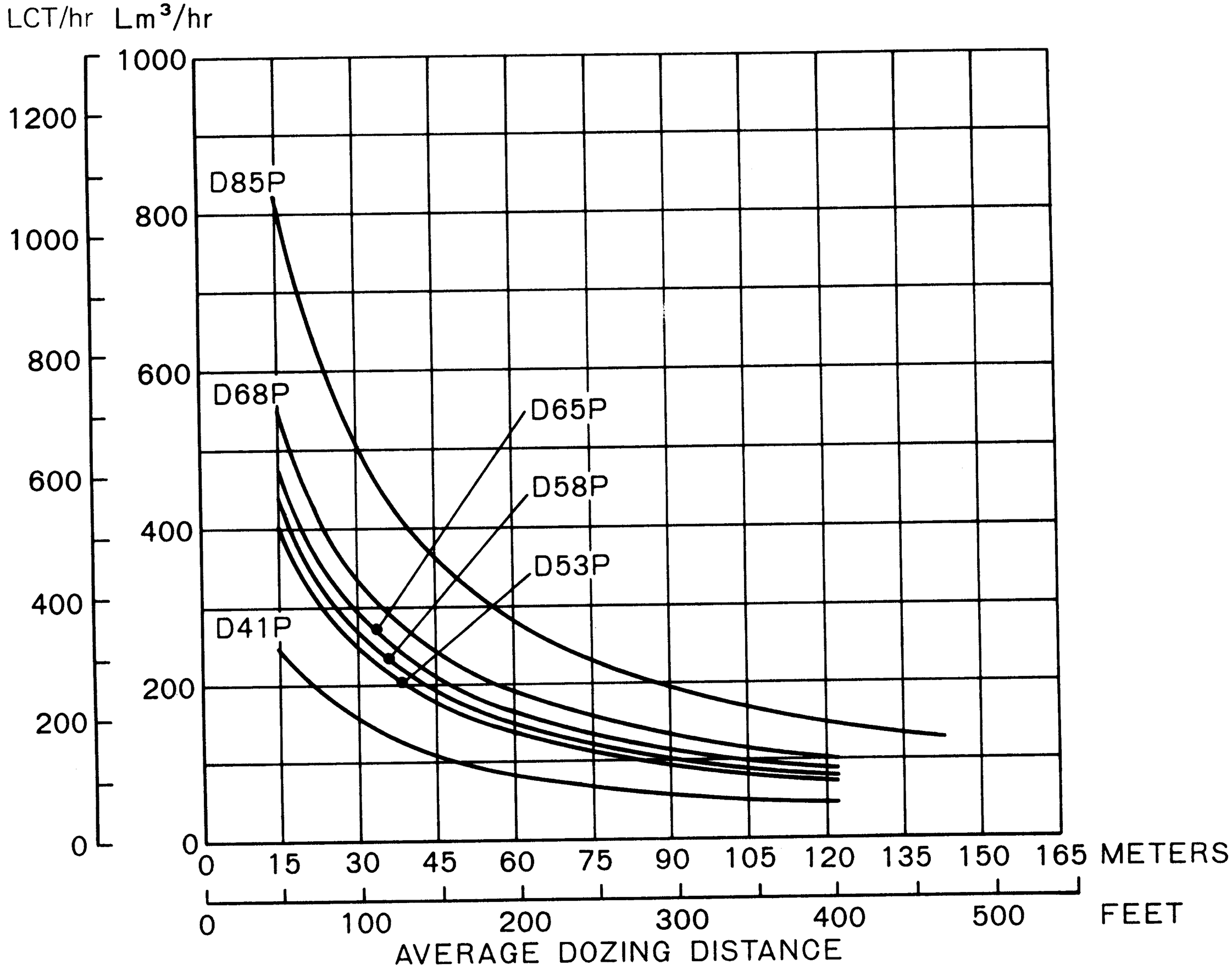
Estimated Dozing Production
(Straight-tiltdozer)



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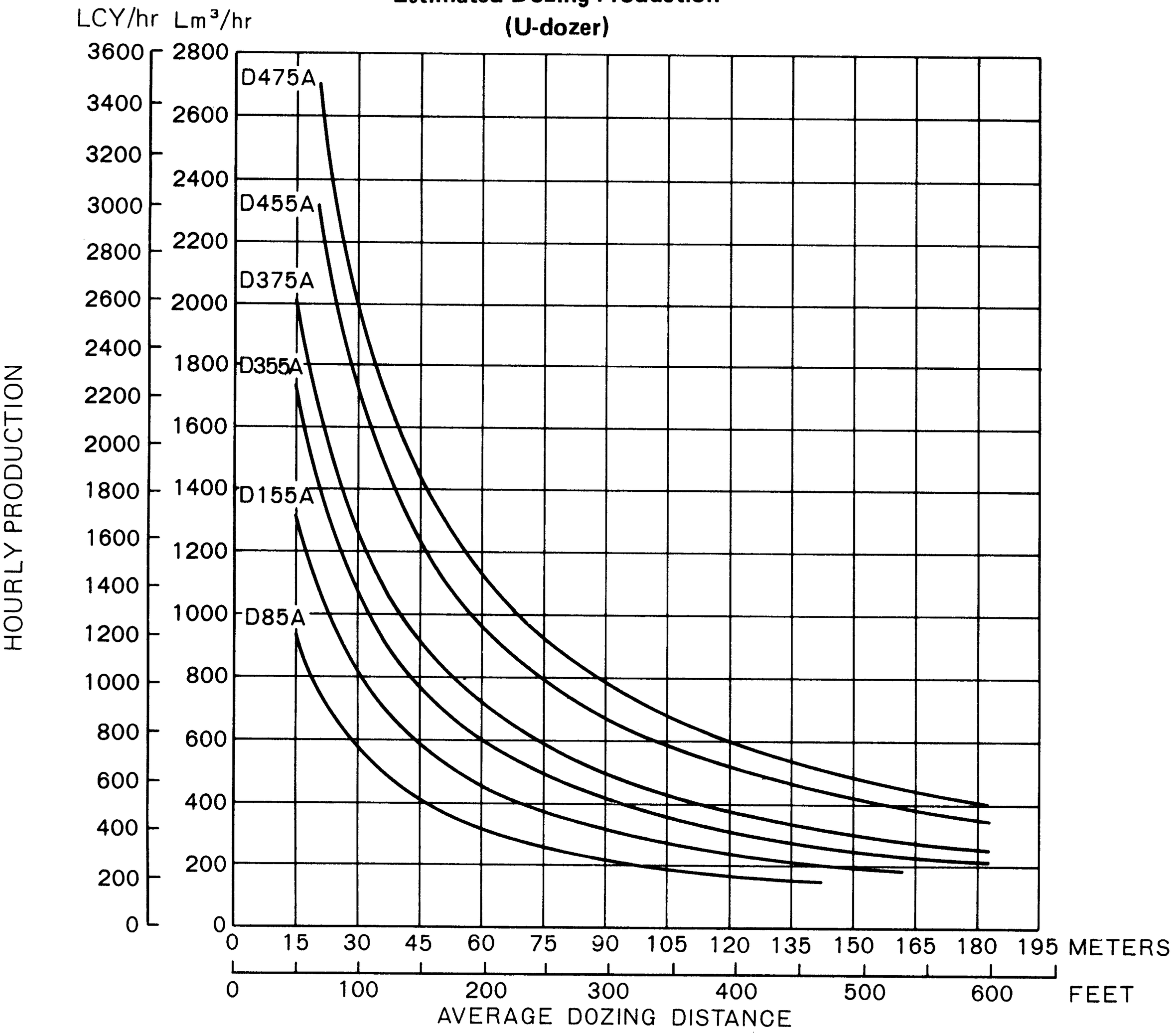
Estimated Dozing Production (U-dozer)