

CHARACTERISTICS

MI 30 D S2-E3

MI 30 D Y E3 S3

MI 35 D S2-E3

MI 35 D Y E3 S3

NOTE: The specifications given are not binding on the manufacturer and can be modified without prior notification.

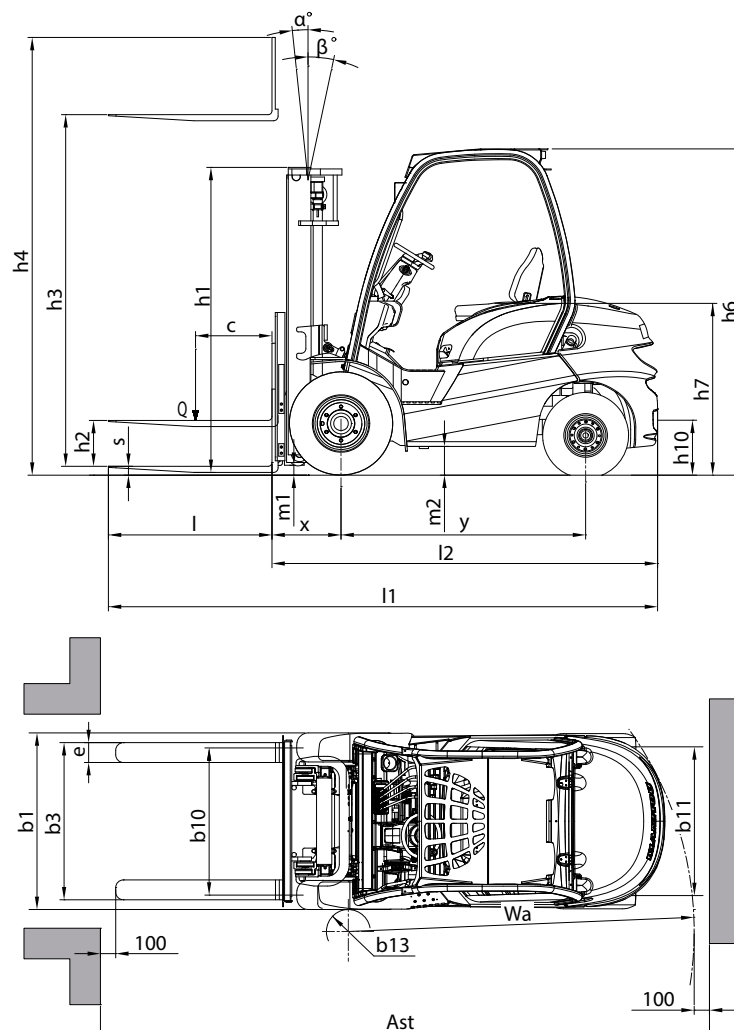
(*) MI 30 D S2-E3 / MI 35 D S2-E3

MI 30 D Y E3 S3 / MI 35 D Y E3 S3 => up to machine no. 873543

(**) MI 30 D Y E3 S3 / MI 35 D Y E3 S3 => from machine no. 873544

DESIGNATION	1.1	Manufacturer		MANITOU	MANITOU
	1.2	Model type		MI 30 D	MI 35 D
	1.3	Propulsion: battery, diesel, petrol, LPG, mains		Diesel	Diesel
	1.4	Type of operation: manual, pedestrian, standing, seated		Seated	Seated
	1.5	Rated capacity/load on forks (basic capacity)	Q (t)	3,0	3,5
	1.6	Centre of gravity of the load	c (mm)	500	500
	1.8	Distance from the load bearing surface to the centre of the front axle	x (mm)	480	485
	1.9	Wheelbase	y (mm)	1 700	1 700
WEIGHT	2.1	Kerb weight of truck	kg	4 610	4 860
	2.2	Front axle load laden	kg	6 650	7 360
	2.2.1	Rear axle load laden	kg	960	1 000
	2.3	Front axle load unladen	kg	1 860	1 825
	2.3.1	Rear axle load unladen	kg	2 750	3 035
RUNNING CARRIAGE	3.1	Tyre equipment: bandage (V), super-elastic (SE), pneumatic (L)		SE	SE
	3.2	Size of front wheels	" or mm	28x9-15 12PR	28x9-15 12PR
	3.3	Size of rear wheels	" or mm	6.50-10 10PR	6.50-10 10PR
	3.5	Number of front wheels (x = drive wheel)		2x	2x
	3.5.1	Number of rear wheels (x = drive wheel)		2	2
	3.6	Front wheel gauge (middle of wheels)	b10 (mm)	1 005	1 005
	3.7	Rear wheel gauge (middle of wheels)	b11 (mm)	975	975
DIMENSIONS	4.1	Tilt of mast forward	α (°)	6	6
	4.1.1	Tilt of mast backward	β (°)	12	12
	4.2	Height of mast lowered	h1 (mm)	2 200	2 315
	4.3	Normal free lift	h2 (mm)	145	145
	4.4	Lift height	h3 (mm)	3 300	3 300
	4.5	Height mast extended	h4 (mm)	4 445	4 445
	4.7	Height of driver protection (cab)	h6 (mm)	2 130	2 130
	4.8	Height of seat	h7 (mm)	1 215	1 215
	4.12	Height of towing coupling	h10 (mm)	355	360
	4.19	Total length	l1 (mm)	3 865	3 935
	4.20	Length of forks at heel	l2 (mm)	2 715	2 785
	4.21	Total width, wheels Single / dual wheels (overall)	b1 (mm)	1 225/1 725	1 225/1 725
	4.22	Section of fork arms	s (mm)	45	50
	4.22.1	Width of fork arms	e (mm)	122	122
	4.22.2	Length of fork arms	l (mm)	1 150	1 150
	4.23	Fork carriage to DIN 15 173 A/B		FEM3A	FEM3A
	4.24	Width of fork carriage (with load back-rest)	b3 (mm)	1 100	1 100
	4.31	Ground clearance of mast	m1 (mm)	130	130
	4.32	Ground clearance at centre of wheel-base	m2 (mm)	200	200
	4.33	Aisle width for palette 1000x1200 widthways	Ast (mm)	4 140	4 195
	4.34	Aisle width for palette 800x1200 lengthways	Ast (mm)	4 340	4 395
	4.35	Turning radius (raised/lowered position)	Wa (mm)	2 460	2 510
	4.36	Inner turning radius	b13 (mm)	160	160

PERFORMANCE	5.1	Speed of travel laden	km/h	18	18
	5.1.1	Speed of travel unladen	km/h	18,5	18,5
	5.2	Speed of rise laden	m/s	0,45	0,39
	5.2.1	Speed of rise unladen	m/s	0,52	0,40
	5.3	Speed of lowering laden	m/s	0,43	0,40
	5.3.1	Speed of lowering unladen	m/s	0,48	0,35
	5.5	Nominal towing power laden	N	16 000	18 300
	5.5.1	Nominal towing power unladen	N	13 800	15 200
	5.7	Slope laden	%	>20	>18
	5.7.1	Slope unladen	%	>20	>20
	5.9	Acceleration time laden	s		
	5.9.1	Acceleration time unladen	s		
	5.10	Service brake		Hydraulic	Hydraulic
ENGINE	7.1	Engine manufacturer/Type		YANMAR (*) 4TNV94L-BXPHZ (**) 4TNE98-BXPHZ	YANMAR (*) 4TNV94L-BXPHZ (**) 4TNE98-BXPHZ
	7.2	Power delivery	kW	35	35
	7.3	Rated speed	Rpm	2 400	2 400
	7.4	Number of pistons / Capacity	cm ³	4/3 054	4/3 054
	7.5	Fuel consumption (according to VDI cycle)	l/h	3,56	3,56
MISCELLANEOUS	8.2	Working hydraulic pressure for attachments	Bar	160	160
	8.3	Oil flow rate for attachments	L/mn	69	69
	8.4	Noise level at the ear of the operator (according to standard EN 12053)	db (A)	(*) 89 (**) 84	(*) 89 (**) 84
	8.5	Towing hook / DIN type			
		Average weighted acceleration on driver's body (according to standard NF EN 13059)	m/s ²	0,5	0,5



CHARACTERISTICS OF MASTS WITH ROLLERS AND LOAD CHARTS

MI 30 D S2-E3

MI 30 G S2

MI 30 D Y E3 S3

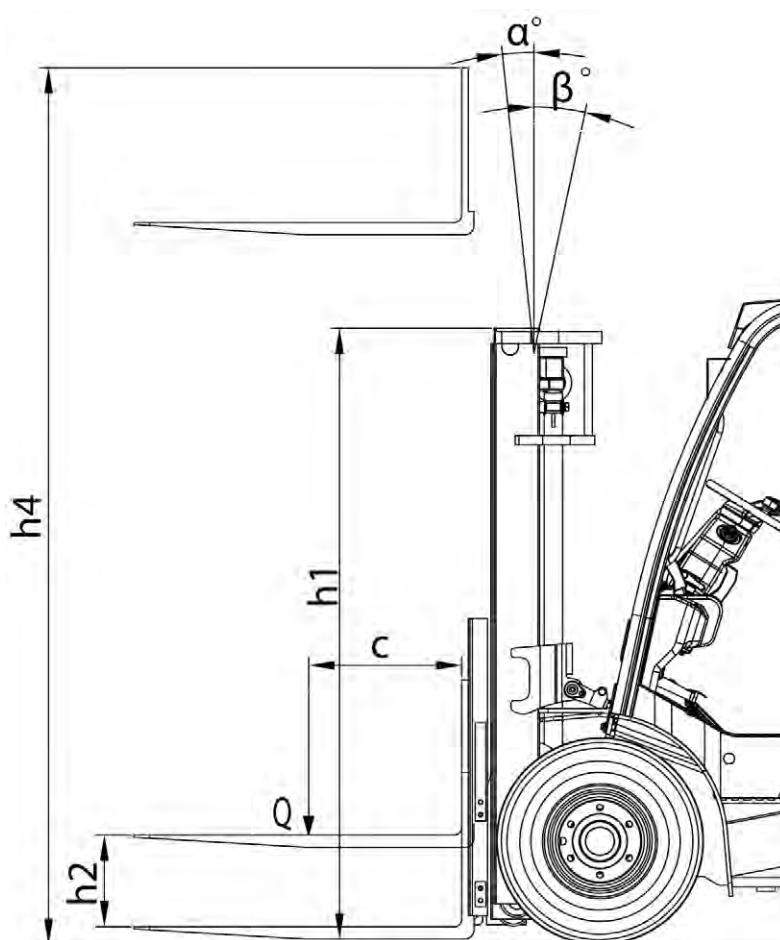
MI 35 D S2-E3

MI 35 G S2

MI 35 D Y E3 S3

NOTE: The specifications given are not binding on the manufacturer and can be modified without prior notification.

LIFTING MAST	FREE LIFT	HEIGHT OF MAST				TILT ANGLE		VALUES ON FORKS			VALUES WITH TDL			VALUES WITH PDF		
								Height at max. capacity (mm)		Capacity at max. height CoG at 500 mm (kg)	Height at max. capacity		Capacity at max. height CoG at 500 mm (kg)	Height at max. capacity		Capacity at max. height CoG at 500 mm (kg)
mm	h2		h1 lowered		h4 extended with back-rest		α Front	β Rear	3 t	3,5 t	3 t	3,5 t	3 t	3,5 t	3 t	3,5 t
MI 30 D MI 30 G MI 35 D MI 35 G	3t	3,5t	3t	3,5t	3t	3,5t										
	145	145	2200	2315	4445	4445	6°	12°	3300	3300	3300	3300	3300	3300	2900	3400
	145	145	2450	2565	4845	4845	6°	12°	3700	3700	3700	3700	3700	3700	2900	3400
	145	145	2650	2715	5145	5145	6°	12°	4000	4000	4000	4000	4000	4000	2900	3400
DUPLIX TOTAL VISIBILITY	1475	1500	2230	2330	4445	4055	6°	12°	3300	3300	3300	3300	3300	3300	2900	3400
	1675	1700	2430	2530	4845	4455	6°	12°	3700	3700	3700	3700	3700	3700	2900	3400
	1825	1850	2580	2680	5145	4755	6°	12°	4000	4000	4000	4000	4000	4000	2900	3400
	1360	1385	2115	2115	5445	5055	6°	6°	4000	4000	4000	4000	2850	-	-	-
TRIPLEX FREE LIFT	1410	1435	2165	2265	5695	5305	6°	6°	4000	4000	4000	4000	2800	4000	2700	3200
	1460	1485	2215	2315	5895	5455	6°	6°	4000	4000	4000	4000	2700	4000	2600	3100
	1510	1535	2265	2365	5945	5555	6°	6°	4000	4000	4000	4000	2700	2900kg to 4000	2600	3100
	1560	1585	2315	2415	6145	5755	6°	6°	4000	4000	2900kg to 4000	3300kg to 4000	2400	2800kg to 4000	2300	2800
	1760	1735	2515	2565	6645	6255	3°	6°	4000	4000	2900kg to 4000	3250kg to 4000	1750	2700kg to 4000	1650	2000
	2010	1985	2765	2815	7195	6805	3°	6°	4000	4000	2800kg to 4000	3250kg to 4000	1300	2700kg to 4000	1200	1400
	2160	2135	2915	2965	7645	7255	3°	6°	-	-	-	-	-	-	-	-



RATED CAPACITY ►
 ACTUAL CAPACITIES
 (according to ISO 3691-1 / AS2359.1-2019) ►

1 - Up to height of ►
 2 - For maximum height of ►

VERTICAL MAST ►

ATTACHMENT ►

ACTUAL CAPACITIES ►

CAPACITÈ NOMINALE RATED CAPACITY NOMINÁLIS KAPACITÁS CAPACIDAD NOMINAL CAPACITÀ NOMINALE	[] kg		
CAPACITÈ EFFETTIVE ACTUAL CAPACITIES EFFEKTÍV KAPACITÁS CAPACIDAD EFECTIVA CAPACITÀ EFFETTIVA	SUivant NORME ISO3691-1 (ISO22915-2)		
1- Jusqu'à hauteur de levée Up to height of Bis zur Hubhöhe Hasta altura de elevación Sino ad altezza di sollevamento	[] mm	[] mm	[] mm
2- Pour hauteur maximale de For maximum height of Für maximale Höhe Para altura máxima de Per altezza massima di	[] mm	[] mm	[] mm
MAT VERTICAL VERTICAL MAST VERTIKÁLIS MAST MÁSTIL VERTICAL RAMPA VERTICALE			
EQUIPMENT ATTACHMENT ZUSÄTZLICHES EQUIPO ATTREZZATURA	[]	[]	[]
CAPACITÈ EFFETTIVE ACTUAL CAPACITIES EFFEKTÍV KAPACITÁS CAPACIDAD EFECTIVA CAPACITÀ EFFETTIVA	1 []	2 []	[]
n°:	[]		

(AUSTRALIA ONLY)

FORWARD / BACKWARD TILT	[] Degree
IN ACCORDANCE WITH THE STANDARD AS2359.1-2019	
ACTUAL CAPACITIES	
1- Up to height of	[] mm
2- For maximum height of	[] mm
MAST TILTED FORWARD	
ATTACHMENT	[]
ACTUAL CAPACITIES	1 []
	2 []
n°:	[]

FRONT AND REAR TIRES

FRONT		PRESSURE (bar)	MI 15 D	MI 15 G	MI 18 D	MI 18 G	MI 20 D	MI 20 G	MI 25 D	MI 25 G	MI 30 D	MI 30 G	MI 35 D	MI 35 G
		TYRE LOAD (kg)												
ADVANCE	6.50-10/5.00	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12/5.00	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15/7.00	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									950	900	900	900
		laden									3350	3300	3700	3650
	6.50-10/5.00 JUM	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12/5.00 JUM	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15/7.00 JUM	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									950	900	900	900
		laden									3350	3300	3700	3650
CHENG SHIN	6.50-10 10PR	PRESSURE	7,9	7,9	7,9	7,9								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12 12PR	PRESSURE					8,6	8,6	8,6	8,6				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15 12PR	PRESSURE									8,3	8,3	8,3	8,3
		unladen									950	900	900	900
		laden									3350	3300	3700	3650
	6.50-10 10PR JUM	PRESSURE	8,6	8,6	8,6	8,6								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12 12PR JUM	PRESSURE					8,6	8,6	8,6	8,6				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15 12PR JUM	PRESSURE									8,3	8,3	8,3	8,3
		unladen									950	900	900	900
		laden									3350	3300	3700	3650

FRONT		PRESSURE (bar)	MI 15 D	MI 15 G	MI 18 D	MI 18 G	MI 20 D	MI 20 G	MI 25 D	MI 25 G	MI 30 D	MI 30 G	MI 35 D	MI 35 G
		TYRE LOAD (kg)												
CONTINENTAL	6.50-10/5.00 SC20 M+S	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12/5.00 SC20 M+S	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15/7.00	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									950	900	900	900
		laden									3350	3300	3700	3650
	6.50-10 14PR	PRESSURE	10	10	10	10								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12 16PR	PRESSURE					10	10	10	10				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15 14PR	PRESSURE									10	10	10	10
		unladen									950	900	900	900
		laden									3350	3300	3700	3650
	6.50-10/5.00 NM	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	650	600	650	600								
		laden	1900	1800	2150	2100								
	7.00-12/5.00 NM	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					900	850	850	850				
		laden					2500	2450	2850	2850				
	28x9-15/7.00 NM	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									950	900	900	900
		laden									3350	3300	3700	3650

REAR		PRESSURE (bar)	MI 15 D	MI 15 G	MI 18 D	MI 18 G	MI 20 D	MI 20 G	MI 25 D	MI 25 G	MI 30 D	MI 30 G	MI 35 D	MI 35 G
		TYRE LOAD (kg)												
ADVANCE	5.00-8/3.00	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	800	750	900	850								
		laden	300	300	300	250								
	6.00-9/4.00	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					1000	950	1150	1100				
		laden					350	350	400	350				
	6.50-10/5.00	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									1400	1350	1500	1500
		laden									500	450	500	500
CHENG SHIN	5.00-8 10PR	PRESSURE	10	10	10	10								
		unladen	800	750	900	850								
		laden	300	300	300	250								
	6.00-9 10PR	PRESSURE					8,6	8,6	8,6	8,6				
		unladen					1000	950	1150	1100				
		laden					350	350	400	350				
	6.50-10 10PR	PRESSURE									7,9	7,9	7,9	7,9
		unladen									1400	1350	1500	1500
		laden									500	450	500	500
CONTINENTAL	5.00-8/3.00 SC20 M+S	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	800	750	900	850								
		laden	300	300	300	250								
	6.00-9/4.00 SC20 M+S	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					1000	950	1150	1100				
		laden					350	350	400	350				
	6.50-10/5.00 SC20 M+S	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									1400	1350	1500	1500
		laden									500	450	500	500
	5.00-8 8PR	PRESSURE	8,25	8,25	8,25	8,25								
		unladen	800	750	900	850								
		laden	300	300	300	250								
	6.00-9 12PR	PRESSURE					7	7	7	7				
		unladen					1000	950	1150	1100				
		laden					350	350	400	350				
	6.50-10 14PR	PRESSURE									10	10	10	10
		unladen									1400	1350	1500	1500
		laden									500	450	500	500
	5.00-8/3.00 NM	PRESSURE	SOLID	SOLID	SOLID	SOLID								
		unladen	800	750	900	850								
		laden	300	300	300	250								
	6.00-9/4.00 NM	PRESSURE					SOLID	SOLID	SOLID	SOLID				
		unladen					1000	950	1150	1100				
		laden					350	350	400	350				
	6.50-10/5.00 NM	PRESSURE									SOLID	SOLID	SOLID	SOLID
		unladen									1400	1350	1500	1500
		laden									500	450	500	500

		PRESSURE (bar)	LOAD (kg)	GROUND CONTACT PRESSURE (kg/cm2)		GROUND CONTACT AREA (cm2)	
				HARD SOIL	LOOSE SOIL	HARD SOIL	LOOSE SOIL
ADVANCE	5.00-8/3.00	SOLID	250				
			300				
			750				
			800				
			850				
			900				
	6.00-9/4.00	SOLID	350				
			400				
			950				
			1000				
			1100				
			1150				
	6.50-10/5.00	SOLID	450				
			500				
			600				
			650				
			1350				
			1400				
			1500				
			1800				
			1900				
			2100				
			2150				
	7.00-12/5.00	SOLID	850				
			900				
			2450				
			2500				
			2850				
	28x9-15/7.00	SOLID	900				
			950				
			3300				
			3350				
			3650				
			3700				

		PRESSURE (bar)	LOAD (kg)	GROUND CONTACT PRESSURE (kg/cm ²)		GROUND CONTACT AREA (cm ²)	
				HARD SOIL	LOOSE SOIL	HARD SOIL	LOOSE SOIL
CHENG SHIN	5.00-8 10PR	10	250				
			300				
			750				
			800				
			850				
			900				
	6.00-9 10PR	8,6	350				
			400				
			950				
			1000				
			1100				
			1150				
	6.50-10 10PR	7,9	450				
			500				
			600				
			650				
			1350				
			1400				
			1500				
			1800				
			1900				
			2100				
			2150				
	7.00-12 12PR	8,6	850				
			900				
			2450				
			2500				
			2850				
	28x9-15 12PR	8,3	900				
			950				
			3300				
			3350				
			3650				
			3700				

		PRESSURE (bar)	LOAD (kg)	GROUND CONTACT PRESSURE (kg/cm2)		GROUND CONTACT AREA (cm2)	
				HARD SOIL	LOOSE SOIL	HARD SOIL	LOOSE SOIL
CONTINENTAL	5.00-8/3.00	SOLID	250				
			300				
			750				
			800				
			850				
			900				
	6.00-9/4.00	SOLID	350				
			400				
			950				
			1000				
			1100				
			1150				
	6.50-10/5.00	SOLID	450				
			500				
			600				
			650				
			1350				
			1400				
			1500				
			1800				
			1900				
			2100				
			2150				
	7.00-12/5.00	SOLID	850				
			900				
			2450				
			2500				
			2850				
	28x9-15/7.00	SOLID	900				
			950				
			3300				
			3350				
			3650				
			3700				

		PRESSURE (bar)	LOAD (kg)	GROUND CONTACT PRESSURE (kg/cm2)		GROUND CONTACT AREA (cm2)	
				HARD SOIL	LOOSE SOIL	HARD SOIL	LOOSE SOIL
CONTINENTAL	5.00-8 8PR	8,25	250				
			300				
			750				
			800				
			850				
			900				
	6.00-9 12PR	7	350				
			400				
			950				
			1000				
			1100				
			1150				
	6.50-10 14PR	10	450				
			500				
			600				
			650				
			1350				
			1400				
			1500				
			1800				
			1900				
			2100				
			2150				
	7.00-12 16PR	10	850				
			900				
			2450				
			2500				
			2850				
	28x9-15 14PR	10	900				
			950				
			3300				
			3350				
			3650				
			3700				