

Storage Silos



Vision

To provide cost - effective, highest quality, technically advanced & environmentally friendly solutions to our client's individual storage requirements in the fastest timescale utilizing the latest designs, materials & through the most efficient administrative & manufacturing procedures.

Company Profile

Originally established as a general engineering company in Ozzano dell' Emilia, near Bologna (Italy) **AGI FRAME** entered the corrugated silo market in the mid 1990's. The ability to fulfill clients varied needs, from the preparation of the initial offer, according to the specific requirements of the client, submission of detailed drawings, even analysis of soil tests to supervision of the erection of the silos if required, have allowed **AGI FRAME** to become one of Europe's largest & respected manufacturers of metallic silos. **AGI FRAME** is now firmly established as one of Europe's largest designers, manufacturers & suppliers of all types of corrugated steel silos for commercial & agricultural applications as well as the ancillary products such as catwalks, ladders, platforms, aeration & temperature sensing systems, towers, & in certain markets, if specifically requested, where necessary, **AGI FRAME** can supply mechanical handling, cleaning, weighing, & bagging equipment. Over the past almost 30 years, **AGI FRAME** has supplied silos throughout the world & is now a preferred supplier to many of Europe's leading manufacturers of grain processing equipment as well as some of the most respected engineering companies in Europe & their locally based agents.

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Highly Skilled & Qualified Workforce

Our Technical Department makes extensive utilization of both Auto Cad & 3D modeling in both project & component design. **AGI FRAME** has a policy of continuously seeking improvements to current designs & manufacturing processes to offer both cost savings to our clients as well as safeguarding environmental conditions wherever possible.

AGI FRAME has been awarded the ISO 9001 Quality Assurance Certification for the design, production and installation of grain storage silos, ensuring that the highest standards are maintained through all stages of the project.



ISO 9001
CERT N 6979/1

EN ISO 3834 relates to the quality in welding, the standard defines quality requirements for welding both in workshops and on site and demonstrate the manufacturer's capability to produce welded assemblies in accordance with the specified criteria.



ISO 3834-2
CERT. N. 6979/1

Under the latest EU requirements, any manufactured structural metal components either manufactured or imported into the EU must comply with the CE marking requirements, it is a criminal offence to supply structural steel work within the EU unless it conforms to this standard & carries the legitimate CE mark. **AGI FRAME** have been awarded the necessary Certification to apply the CE mark.



UNI EN 1090-1
N.0425-CPR-2727

The Lab

AGI FRAME have their own laboratory for analysis of both raw material & manufactured components, in addition, quality control & traceability procedures are implemented throughout the manufacturing processes.



Outstanding Features of AGI FRAME silos

The cylinder is constructed from galvanized corrugated steel sheets with profiled external galvanized vertical stiffeners. All components are manufactured using highly automated techniques, ensuring fast & accurate production.

The sidewall sheets are manufactured from 0.8mm through to 4.5mm galvanized and the stiffeners of the bin from 0.8mm through to 6.0mm galvanized, (Standard 600 g/m² steel with a tensile strength up to 470 N/mm² & a yield stress up to 420 N/mm²).

Where necessary laminated sheets are used for greater strength.

The profiled stiffeners carry the vertical load of the silo to the base.

The stiffeners feature strong bolted splice joint plates with a large cross sectional area, critical elements in stiffener design.

Sidewall sheets are assembled with **AGI FRAME** high strength grade 8.8 bolts, guaranteed against corrosion with a spun galvanized coating.

Rubber coated washers with 'strip' sealant for both horizontal & vertical joints ensure a perfect seal between sidewall sheets & fixings.

Suitable for all free flowing cereals including wheat, maize, barley, rape seed, soya beans, rice, etc.

AGI FRAME offer both the FP & FC range of silos according to ASAE/ANSI, DIN or EUROCODE design standards, taking into account the local wind, seismic & snow load requirement to ensure a perfect fit with the specific environment condition and to achieve the longest silo & accessories lifetime.

Foundation drawings, as well as base load and plant design facilities can be provided. A very wide range of accessories for the FP & FC range of silos are offered.



FP Flat Bottom Silos

AGI FRAME can meet all customer's needs, either for Commercial or Agricultural applications, thanks to the wide range of FP Flat Bottom Silos with models from 3.64 up to 32.74 meters diameter. The volumetric storage capacities in excess of 26,192 m³, full details on request. The standard 30 degrees roof pitch ensures maximum storage capacity even with a high angles of repose. The quality of the stored product can be maintained by incorporating a well-designed aeration system with efficient fans and an accurate temperature monitoring system. Suitable for all free flowing cereals including wheat, maize, barley, rape seed, soya beans, rice as well as sunflower, canola, wood pellets. A complete range of accessories can be offered, such as:

- Aeration & temperature sensing systems
- Roof vents (available as standard on silos above FP 18)
- Curved roof vents with remotely operated louvres
- Powered roof vents
- Catwalks in a wide range of widths & specifications to suit the conveyor loading the silos
- Vertical ladders incorporating safety cages, spiral stairways, roof ladders & stairs with double handrails
- Wind rings
- Gravity sidewall discharge and necessary accessories
- Service platforms
- Grain ladders to reduce the risk of damage to the material loaded into the silo
- Snow barriers
- Sidewall 'drive through' unloading facility
- Support towers



Roof Structures

AGI FRAME Silos incorporate a strong roof design. The standard 30 degree roof pitch ensures maximum storage capacity even with high angles of repose.

- The roof segments, manufactured from high quality tensile steel, are ribbed & form an exceptionally strong modular roof system; each segment is formed & punched on a fully automated production line
- Each roof assembly incorporates an inspection/access manhole as standard
- An internal galvanized steel structure to accept peak loads up to 15,000 kg. & multiple temperature cable suspension points is offered as a standard on silos above model FP 18, available on request on silos model FP 16 to FP 17.
- The simple design, which allows fast assembly, incorporates galvanized "Z" section beams which are connected laterally & braced in single a-frames to provide stability both during the erection & the use of the silo.

The centre cap & inner ring assembly available on model FP 11 to FP 36, provides a large load bearing area to support catwalks & ancillary equipment without the requirement of on-site fabrication **AGI FRAME** FP Silos can be supplied with a number of different roof vent designs to suit the clients requirements, low profile, curved & powered vents are all offered to fit over pre-punched apertures in the roof segment which incorporate a pre-formed lip with a special gasket to provide a weather tight seal



12,000 tons | Wheat | Rwanda

32,000 tons | White Maize | Venezuela

30,000 tons | Wheat | UK



120,000 tons | Wheat | Iran

62,000 tons | Wheat | Iran

30,000 tons | Wheat | Tanzania



21,000 tons | Maize | Italy

15,000 tons | Maize | Hungary

19,000 tons | Wheat | Germany

Easy access sidewall door

All **AGI FRAME** FP Silos incorporate a heavy duty hinged single ring sidewall door in the second ring as standard. The reinforced inner door swings out of the way easily when open, the sturdy welded **AGI FRAME** is hot dipped galvanized after manufacture. Additional sidewall doors, with necessary vertical access ladders & platforms can be supplied offered. Bobcat door can be offered upon customer request.

Double ring Access door

Double ring sidewall doors can be offered to suit certain models of FP silos at additional cost.



24,000 tons | Wheat | Tanzania

20,000 tons | Wheat | Italy

180,000 tons | Maize | Saudi Arabia



Catwalks & catwalk support

From small farm installations to large commercial grain operations, **AGI FRAME** can offer a wide range of catwalks & catwalk support frames.

Designed & manufactured to ensure the widest range of applications utilising standard components wherever possible, **AGI FRAME** engineers optimise every catwalk system design according to the specific application in order to provide the most cost-effective, easily assembled and correctly engineered solutions; for example, considering the varying weights, dimensions & positions of the drive stations fitted to the chain conveyors loading the silos as well as other local factors.

In addition, designs to accommodate bigger conveyors up to 1500 t/h capacity, both chain and belt conveyors can also be offered. Wherever possible, there is a minimal use of independent support towers, therefore reducing installation & civil costs. A full range of accessories such as side extensions to allow access for machine maintenance, connections to cross catwalks, supports for conveyors at varying levels & connections to existing buildings or towers are available.

FC Hopper bottom silos

AGI FRAME FC Hopper bottom storage Silos offer versatility, fast assembly and a low cost per tonne. The use of hoppers is proven to be the best solution for frequent product unloading cycles without leaving residual material in the silo, thus minimizing the use of mechanical unloading equipment.

AGI FRAME offer two hopper models: 45° & 60°, to provide the best solution even for wet products and with high friction angles.

A wide range of models, from 3.6 meters to 14.55 meters diameter.

45 degree hopper silos are available with capacities up to 5,342 m³, the 60 degree hopper silos are offered with capacities up to 1,218 m³. Full details on request.

The profiled stiffeners carry the vertical load of the silo to the compression ring. The stiffeners feature strong bolted splice joint plates with large cross sectional area, critical elements in stiff ener design.

Hopper sheets, compression rings and support steel are hot dipped galvanized. Hopper sheets incorporate mushroom headed bolts on the internal surfaces to ensure maximum cleanliness inside the silo. Smooth wall hopper silos for nonfree flowing materials can be supplied as required.

A support structure for truck loading can be offered.

A complete range of accessories can be offered, such as:

- Aeration & temperature sensing systems
- Roof vents
- Curved roof vents with remotely operated louvres
- Powered roof vents
- Catwalks in a wide range of widths & specifications to suit the conveyor loading the silos
- Vertical ladders incorporating safety cages, roof ladders & stairs with double handrails
- Snow barriers
- Sidewall doors
- Service platforms





30,000 tons | Wheat | Egypt



11,000 tons | Paddy rice | Iran



62,000 tons | White Maize | Iran



2,800 tons | Wheat | Serbia



32,000 tons | White Maize | Venezuela



19,000 tons | Maize | Lituania



21,000 tons | Wheat | Burundi



3,000 tons | Wheat & Maize | Italy



5,500 tons | Wheat | Indonesia



11,000 tons | Wheat | UK



5,000 tons | Wheat | Italy



700 tons | Wheat | Italy

ACCESSORIES

Sweep Augers

SWEEP AUGER "CST" TYPE

Compact model with walking plates. Direct transmission by gearbox inside the silo. 3 ph 380/420V 50 hz IP 55 electric geared motor above ground level (ATEX standard motors available at additional cost if required) Discharge capacity: capacity 30, 40, 50 T/h based on cereal @780 kgs/m³ to suit silo models from FP06 up to FP18.



SWEEP AUGER "CSTF" TYPE

Compact model with walking plates. Direct transmission by gearbox inside the silo. 3 ph 380/420V 50 hz IP 55 electric geared motor above ground level (ATEX standard motors available at additional cost if required) Discharge capacity: 30, 40, 50 T/h based on cereal @780 kgs/m³ to suit silo models from FP18 up to FP26.



FOR HIGHER CAPACITY SWEEP AUGERS & MACHINES LARGER DIAMETER SILOS, AGI FRAME CAN OFFER A WIDE RANGE OF MACHINES TO ATEX STANDARD & SUITABLE FOR A WIDE RANGE OF CEREALS

SWEEP AUGER "FSA" TYPE - RUBBERTYRE

Direct transmission by gearbox inside the silo. 3 ph 380/420 v 50 hz IP 55 electric gear motor above ground level (ATEX standard motors available at additional cost if required) Discharge capacity: 50, 80, 100 T/h based on cereal @780 kgs/m³ to suit silo models from FP20 up to FP36. For very abrasive products (i.e. paddy rice) the FSA model is available upon customer request.



ACCESSORIES

Roof Vents

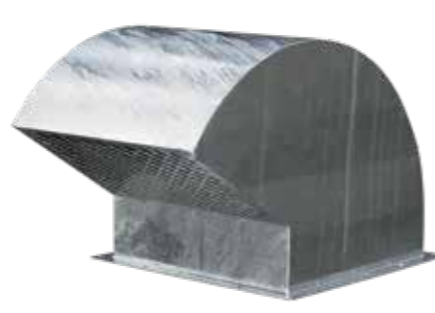
AGI FRAME FP Silos can be supplied with a number of different roof vent designs to suit the clients requirements, low profile, curved & powered vents are all offered to fit over pre-punched apertures in the roof segment which incorporate a pre-formed lip with a special gasket to provide a weather tight seal.



TORXEF504X2
Powered fan 0,75 kW, Volume:
8,000 m³/h @ 5mm swg – ATEX 22



TORX0075G
Powered fan 1.5 kW – Volume 7,600
m³/h @ 10 mm swg – ATEX 22



AERAP-XM
Curved roof vent, with powered fan 0.18 kW,
Volume: 2,000 m³/h @ 5mm swg – ATEX 22.
Curved roof vent, included as standard on
all silos above FP 18. As an option, remotely
operated louvres are available for roof vents
when fumigating the silo

Aeration Systems

AGI FRAME can offer a level floor aeration system to suit the complete range of model FP silos. The galvanized modular grids can be offered to suit various cereals, the grids are self-supporting with no additional support steel required, & are easily removable for cleaning. Optional pre-formed steel troughs to cast into the silo base are available at additional cost. 'Full-floor' aeration as well as ventilated cones are also offered to suit a wide range of FP silos.



Fixed & Mobile Electric Fans

FIXED VERSION: electric centrifugal fan, medium pressure type, for ambient air aeration. Complete with Steel balanced fan, 3 ph 380/420 v 50 hz IP 55 electric motor, PVC fl exible sleeve, diam. 400 mm, L = 2 m, clamping band, outlet transition.

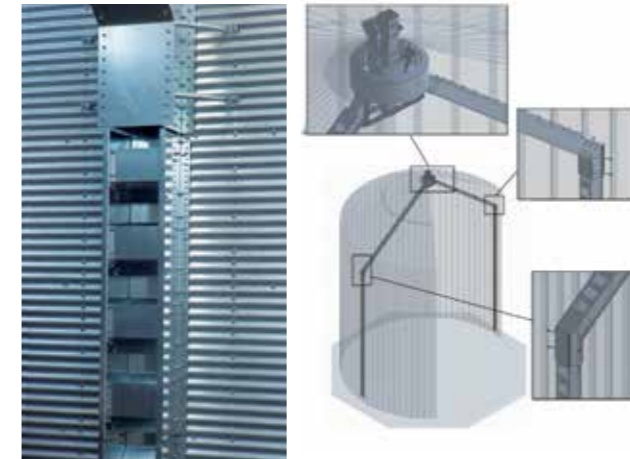
MOBILE VERSION: electric centrifugal fan, medium pressure type, for ambient air aeration; mounted on tyres and equipped with handgrips for easy handling. Complete with: steel balanced impeller, 3ph 380/420v 50hz IP 55 electric motor IE2, electric cable L = 10 m with plug and control panel, PVC fl exible sleeve, dia. 400 mm, L = 2 m, clamping band, Outlet transition.



ACCESSORIES

Grain Ladders

To reduce the risk of breakage to soya beans & other similar cereals when loading the silo, AGI FRAME can offer sidewall mounted Grain ladders as shown.



Gravity Sidewall Discharge

Chain operated gravity side wall discharge outlets together with access platforms & ladders can be supplied to suit most models of FP silo at additional cost.



Temperature Sensing

TEMPERATURE MONITORING SYSTEM AGROLOG TMS 2500

A compact portable hand terminal with built-in memory for documented temperature monitoring which also includes a PC Software to give you a quick overview.

Benefits:

- Reliable and user friendly
- Easy to install
- Durable construction for all climates
- 2 wire cable for easy connection
- Digital sensor no calibration needed
- Flexible design for future extension
- Sensor Lines tailored to any application for ATEX zone 20/21/22
- Backlight display to help read in low light conditions
- PC program to store and recall data with time and date
- Temperature trend curves and tables

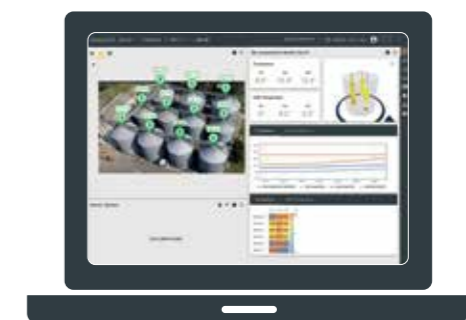


TEMPERATURE MONITORING SYSTEM AGROLOG TMS 6000

Take full advantage of the benefits of the new technology and let our Agrolog grain and crop quality management system give you the strong tools you need to always be in control of your grain and crops.

Benefits:

- Intuitive, modern graphical interface allows quick and easy interpretation of data
- Real-time data – telemetry, monitoring and control 24/7
- Real-time 3D visualizations quickly illustrate where the problems occur in the silo
- REST Interface for integration with third party systems and an open system that gives developers access to advanced computations
- Be alerted by e-mail to the slightest change in your crops, even when not currently using the software
- Full historical chart for deeper insights into trends



Sidewall Ladders & Platforms



AGI FRAME offer all sidewall ladders & platforms with safety cages & handrails to European standards. Manufactured from galvanized steel, ladders & platforms a specially designed non-slip deck/walking area. Platforms can be supplied to provide access to the roof access/inspection manhole with vertical ladders to the catwalk as required.

Snow Barriers



Manufactured from galvanised, profiled & perforated steel sections, snow barriers can be offered to be fitted to the roof eaves.

Wind Rings



Curved, galvanised tubular wind rings, with flanged joints & which are connected to the sidewall stiffeners to provide continuous circular reinforcement around the silo, can be supplied for high wind speed or other special load conditions.

FP SILO DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
3,64 m (12 FT) (D) FP4	FP 4/5	4,44	5,43	50	39
	FP 4/6	5,32	6,31	59	46
	FP 4/7	6,20	7,19	68	53
	FP 4/8	7,08	8,07	77	60
	FP 4/9	7,96	8,95	86	67
	FP 4/10	8,84	9,83	95	74
	FP 4/11	9,72	10,71	104	81
	FP 4/12	10,60	11,59	114	89
	FP 4/13	11,48	12,47	123	96
	FP 4/14	12,36	13,35	132	103
	FP 4/15	13,24	14,23	141	110
	FP 4/16	14,12	15,11	150	117
	FP 4/17	15,00	15,99	159	124
	FP 4/18	15,88	16,87	168	131
	FP 4/19	16,76	17,75	178	139
	FP 4/20	17,64	18,63	187	146
4,55 m (15 FT) (D) FP5	FP 5/5	4,44	4,81	79	61
	FP 5/6	5,32	5,69	93	73
	FP 5/7	6,20	6,57	107	84
	FP 5/8	7,08	7,45	122	95
	FP 5/9	7,96	8,33	136	106
	FP 5/10	8,84	9,21	150	117
	FP 5/11	9,72	10,09	164	128
	FP 5/12	10,60	10,97	179	139
	FP 5/13	11,48	11,85	193	151
	FP 5/14	12,36	12,73	207	162
	FP 5/15	13,24	13,61	222	173
	FP 5/16	14,12	14,49	236	184
	FP 5/17	15,00	15,37	250	195
	FP 5/18	15,88	16,25	265	206
	FP 5/19	16,76	17,13	279	217
	FP 5/20	17,64	18,01	293	229
FP 5/21	18,52	18,89	307	240	
FP 5/22	19,40	19,77	322	251	
FP 5/23	20,28	20,65	336	262	
FP 5/24	21,16	21,53	350	273	
FP 5/25	22,04	22,41	365	284	
5,46 m (18 FT) (D) FP6	FP 6/5	4,44	5,95	115	90
	FP 6/6	5,32	6,83	136	106
	FP 6/7	6,20	7,71	156	122
	FP 6/8	7,08	8,59	177	138
	FP 6/9	7,96	9,47	197	154
	FP 6/10	8,84	10,35	218	170
	FP 6/11	9,72	11,23	239	186
	FP 6/12	10,60	12,11	259	202
	FP 6/13	11,48	12,99	280	218
	FP 6/14	12,36	13,87	300	234
	FP 6/15	13,24	14,75	321	250
	FP 6/16	14,12	15,63	342	266
	FP 6/17	15,00	16,51	362	283
	FP 6/18	15,88	17,39	383	299
	FP 6/19	16,76	18,27	403	315
	FP 6/20	17,64	19,15	424	331
FP 6/21	18,52	20,03	445	347	
FP 6/22	19,40	20,91	465	363	
FP 6/23	20,28	21,79	486	379	
FP 6/24	21,16	22,67	506	395	
FP 6/25	22,04	23,55	527	411	
FP 6/26	22,92	24,43	547	427	
FP 6/27	23,80	25,31	568	443	
FP 6/28	24,68	26,19	589	459	
FP 6/29	25,56	27,07	609	475	
FP 6/30	26,44	27,95	630	491	
FP 6/31	27,32	28,83	650	507	
6,37 m (21 FT) (D) FP7	FP 7/7	6,20	7,98	215	168
	FP 7/8	7,08	8,86	243	190
	FP 7/9	7,96	9,74	271	212
	FP 7/10	8,84	10,62	299	234
	FP 7/11	9,72	11,50	327	255
	FP 7/12	10,60	12,38	355	277
	FP 7/13	11,48	13,26	383	299
	FP 7/14	12,36	14,14	411	321
	FP 7/15	13,24	15,02	440	343
	FP 7/16	14,12	15,90	468	365
	FP 7/17	15,00	16,78	496	387
	FP 7/18	15,88	17,66	524	408
	FP 7/19	16,76	18,54	552	430
	FP 7/20	17,64	19,42	580	452
	FP 7/21	18,52	20,30	608	474
	FP 7/22	19,40	21,18	636	496
FP 7/23	20,28	22,06	664	518	
FP 7/24	21,16	22,94	692	540	
FP 7/25	22,04	23,82	720	561	
FP 7/26	22,92	24,70	748	583	
FP 7/27	23,80	25,58	776	605	
FP 7/28	24,68	26,46	804	627	
FP 7/29	25,56	27,34	832	649	
FP 7/30	26,44	28,22	860	671	
FP 7/31	27,32	29,10	888	693	
FP 7/32	28,20	29,98	916	714	

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
7,28 m (24 FT) (D) FP8	FP 8/7	6,20	8,24	285	222
	FP 8/8	7,08	9,12	321	251
	FP 8/9	7,96	10,00	358	279
	FP 8/10	8,84	10,88	394	308
	FP 8/11	9,72	11,76	431	336
	FP 8/12	10,60	12,64	468	365
	FP 8/13	11,48	13,52	504	393
	FP 8/14	12,36	14,40	541	422
	FP 8/15	13,24	15,28	577	450
	FP 8/16	14,12	16,16	614	479
	FP 8/17	15,00	17,04	651	507
	FP 8/18	15,88	17,92	687	536
	FP 8/19	16,76	18,80	724	565
	FP 8/20	17,64	19,68	760	593
	FP 8/21	18,52	20,56	797	622
	FP 8/22	19,40	21,44	834	650
FP 8/23	20,28	22,32	870	679	
FP 8/24	21,16	23,20	907	707	
FP 8/25	22,04	24,08	943	736	
FP 8/26	22,92	24,96	980	764	
FP 8/27	23,80	25,84	1,017	793	
FP 8/28	24,68	26,72	1,053	821	
FP 8/29	25,56	27,60	1,090	850	
FP 8/30	26,44	28,48	1,126	879	
FP 8/31	27,32	29,36	1,163	907	
FP 8/32	28,20	30,24	1,200	936	
8,19 m (27 FT) (D) FP9	FP 9/8	7,08	9,38	411	320
	FP 9/9	7,96	10,26	457	357
	FP 9/10	8,84	11,14	503	393
	FP 9/11	9,72	12,02	550	429
	FP 9/12	10,60	12,90	596	465
	FP 9/13	11,48	13,78	642	501
	FP 9/14	12,36	14,66	689	537
	FP 9/15	13,24	15,54	735	573
	FP 9/16	14,12	16,42	781	609
	FP 9/17	15,00	17,30	828	646
	FP 9/18	15,88	18,18	874	682
	FP 9/19	16,76	19,06	920	718
	FP 9/20	17,64	19,94	967	754
	FP 9/21	18,52	20,82	1,013	790
	FP 9/22	19,40	21,70	1,059	826
	FP 9/23	20,28	22,58	1,106	862
FP 9/24	21,16	23,46	1,152	898	
FP 9/25	22,04	24,34	1,198	935	
FP 9/26	22,92	25,22	1,245	971	
FP 9/27	23,80	26,10	1,291	1,007	
FP 9/28	24,68	26,98	1,337	1,043	
FP 9/29	25,56	27,86	1,384	1,079	
FP 9/30	26,44	28,74	1,430	1,115	
FP 9/31	27,32	29,62	1,476	1,151	
FP 9/32	28,20	30,50	1,522	1,188	
9,10 m (30 FT) (D) FP10	FP 10/8	7,08	9,50	512	400
	FP 10/9	7,96	10,38	570	444
	FP 10/10	8,84	11,26	627	489
	FP 10/11	9,72	12,14	684	533
	FP 10/12	10,60	13,02	741	578
	FP 10/13	11,48	13,90	798	623
	FP 10/14	12,36	14,78	855	667
	FP 10/15	13,24	15,66	913	712
	FP 10/16	14,12	16,54	970	756
	FP 10/17	15,00	17,42	1,027	801
	FP 10/18	15,88	18,30	1,084	846
	FP 10/19	16,76	19,18	1,141	890
	FP 10/20	17,64	20,06	1,199	935
	FP 10/21	18,52	20,94	1,256	980
	FP 10/22	19,40	21,82	1,313	1,024
	FP 10/23	20,28	22,70	1,370	1,069
FP 10/24	21,16	23,58	1,427	1,113	
FP 10/25	22,04	24,46	1,485	1,158	
FP 10/26	22,92	25,34	1,542	1,203	
FP 10/27	23,80	26,22	1,599	1,247	
FP 10/28	24,68	27,10	1,656	1,292	
FP 10/29	25,56	27,98	1,713	1,336	
FP 10/30	26,44	28,86	1,770	1,381	
FP 10/31	27,32	29,74	1,828	1,426	
FP 10/32	28,20	30,62	1,885	1,470	

FP SILO DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
10,01 m (33 FT) (D) FP11	FP 11/8	7,08	9,76	626	489
	FP 11/9	7,96	10,65	696	542
	FP 11/10	8,84	11,53	765	596
	FP 11/11	9,72	12,41	834	650
	FP 11/12	10,60	13,29	903	704
	FP 11/13	11,48	14,17	972	758
	FP 11/14	12,36	15,05	1,041	812
	FP 11/15	13,24	15,93	1,111	866
	FP 11/16	14,12	16,81	1,180	920
	FP 11/17	15,00	17,69	1,249	974
	FP 11/18	15,88	18,57	1,318	1,028
	FP 11/19	16,76	19,45	1,387	1,082
	FP 11/20	17,64	20,33	1,457	1,136
	FP 11/21	18,52	21,21	1,526	1,190
	FP 11/22	19,40	22,09	1,595	1,244
	FP 11/23	20,28	22,97	1,664	1,298
	FP 11/24	21,16	23,85	1,733	1,352
	FP 11/25	22,04	24,73	1,803	1,406
	FP 11/26	22,92	25,61	1,872	1,460
	FP 11/27	23,80	26,49	1,941	1,514
FP 11/28	24,68	27,37	2,010	1,568	
FP 11/29	25,56	28,25	2,079	1,622	
FP 11/30	26,44	29,13	2,149	1,676	
FP 11/31	27,32	30,01	2,218	1,730	
FP 11/32	28,20	30,89	2,287	1,784	
10,91 m (36 FT) (D) FP12	FP 12/8	7,08	10,03	753	587
	FP 12/9	7,96	10,91	835	651
	FP 12/10	8,84	11,79	918	716
	FP 12/11	9,72	12,67	1,000	780
	FP 12/12	10,60	13,55	1,082	844
	FP 12/13	11,48	14,43	1,165	908
	FP 12/14	12,36	15,31	1,247	973
	FP 12/15	13,24	16,19	1,329	1,037
	FP 12/16	14,12	17,07	1,412	1,101
	FP 12/17	15,00	17,95	1,494	1,165
	FP 12/18	15,88	18,83	1,576	1,230
	FP 12/19	16,76	19,71	1,659	1,294
	FP 12/20	17,64	20,59	1,741	1,358
	FP 12/21	18,52	21,47	1,823	1,422
	FP 12/22	19,40	22,35	1,906	1,487
	FP 12/23	20,28	23,23	1,988	1,551
	FP 12/24	21,16	24,11	2,070	1,615
	FP 12/25	22,04	24,99	2,153	1,679
	FP 12/26	22,92	25,87	2,235	1,743
	FP 12/27	23,80	26,75	2,318	1,808
FP 12/28	24,68	27,63	2,400	1,872	
FP 12/29	25,56	28,51	2,482	1,936	
FP 12/30	26,44	29,39	2,565	2,000	
FP 12/31	27,32	30,27	2,647	2,065	
FP 12/32	28,20	31,15	2,729	2,129	
11,82 m (39 FT) (D) FP13	FP 13/8	7,08	10,29	892	696
	FP 13/9	7,96	11,17	989	772
	FP 13/10	8,84	12,05	1,086	847
	FP 13/11	9,72	12,93	1,182	922
	FP 13/12	10,60	13,81	1,279	998
	FP 13/13	11,48	14,69	1,376	1,073
	FP 13/14	12,36	15,57	1,472	1,148
	FP 13/15	13,24	16,45	1,569	1,224
	FP 13/16	14,12	17,33	1,666	1,299
	FP 13/17	15,00	18,21	1,762	1,375
	FP 13/18	15,88	19,09	1,859	1,450
	FP 13/19	16,76	19,97	1,956	1,525
	FP 13/20	17,64	20,85	2,052	1,601
	FP 13/21	18,52	21,73	2,149	1,676
	FP 13/22	19,40	22,61	2,245	1,751
	FP 13/23	20,28	23,49	2,342	1,827
	FP 13/24	21,16	24,37	2,439	1,902
	FP 13/25	22,04	25,25	2,535	1,978
	FP 13/26	22,92	26,13	2,632	2,053
	FP 13/27	23,80	27,01	2,729	2,128
FP 13/28	24,68	27,89	2,825	2,204	
FP 13/29	25,56	28,77	2,922	2,279	
FP 13/30	26,44	29,65	3,019	2,355	
FP 13/31	27,32	30,53	3,115	2,430	
FP 13/32	28,20	31,41	3,212	2,505	

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
12,73 m (42 FT) (D) FP14	FP 14/8	7,08	10,55	1,045	815
	FP 14/9	7,96	11,43	1,157	903
	FP 14/10	8,84	12,31	1,269	990
	FP 14/11	9,72	13,19	1,382	1,078
	FP 14/12	10,60	14,07	1,494	1,165
	FP 14/13	11,48	14,95	1,606	1,252
	FP 14/14	12,36	15,83	1,718	1,340
	FP 14/15	13,24	16,71	1,830	1,427
	FP 14/16	14,12	17,59	1,942	1,515
	FP 14/17	15,00	18,47	2,054	1,602
	FP 14/18	15,88	19,35	2,166	1,690
	FP 14/19	16,76	20,23	2,278	1,777
	FP 14/20	17,64	21,11	2,390	1,864
	FP 14/21	18,52	21,99	2,502	1,952
	FP 14/22	19,40	22,87	2,615	2,039
	FP 14/23	20,28	23,75	2,727	2,127
	FP 14/24	21,16	24,63	2,839	2,214
	FP 14/25	22,04	25,51	2,951	2,302
	FP 14/26	22,92	26,39	3,063	2,389
	FP 14/27	23,80	27,27	3,175	2,476
FP 14/28	24,68	28,15	3,287	2,564	
FP 14/29	25,56	29,03	3,399	2,651	
FP 14/30	26,44	29,91	3,511	2,739	
FP 14/31	27,32	30,79	3,623	2,826	
FP 14/32	28,20	31,68	3,735	2,914	
13,64 m (45 FT) (D) FP15	FP 15/8	7,08	10,82	1,212	945
	FP 15/9	7,96	11,70	1,340	1,046
	FP 15/10	8,84	12,58	1,469	1,146
	FP 15/11	9,72	13,46	1,598	1,246
	FP 15/12	10,60	14,34	1,726	1,347
	FP 15/13	11,48	15,22	1,855	1,447
	FP 15/14	12,36	16,10	1,984	1,547
	FP 15/15	13,24	16,98	2,112	1,648
	FP 15/16	14,12	17,86	2,241	1,748
	FP 15/17	15,00	18,74	2,370	1,848
	FP 15/18	15,88	19,62	2,498	1,949
	FP 15/19	16,76	20,50	2,627	2,049
	FP 15/20	17,64	21,38	2,756	2,150
	FP 15/21	18,52	22,26	2,884	2,250
	FP 15/22	19,40	23,14	3,013	2,350
	FP 15/23	20,28	24,02	3,142	2,451
	FP 15/24	21,16	24,90	3,270	2,551
	FP 15/25	22,04	25,78	3,399	2,651
	FP 15/26	22,92	26,66	3,528	2,752
	FP 15/27	23,80	27,54	3,656	2,852
FP 15/28	24,68	28,42	3,785	2,952	
FP 15/29	25,56	29,30	3,914	3,053	
FP 15/30	26,44	30,18	4,042	3,153	
FP 15/31	27,32	31,06	4,171	3,254	
FP 15/32	28,20	31,94	4,300	3,354	
14,55 m (48 FT) (D) FP16	FP 16/8	7,08	11,08	1,392	1,086
	FP 16/9	7,96	11,96	1,539	1,200
	FP 16/10	8,84	12,84	1,685	1,314
	FP 16/11	9,72	13,72	1,831	1,428
	FP 16/12	10,60	14,60	1,978	1,543
	FP 16/13	11,48	15,48	2,124	1,657
	FP 16/14	12,36	16,36	2,271	1,771
	FP 16/15	13,24	17,24	2,417	1,885
	FP 16/16	14,12	18,12	2,563	1,999
	FP 16/17	15,00	19,00	2,710	2,114
	FP 16/18	15,88	19,88	2,856	2,228
	FP 16/19	16,76	20,76	3,002	2,342
	FP 16/20	17,64	21,64	3,149	2,456
	FP 16/21	18,52	22,52	3,295	2,570
	FP 16/22	19,40	23,40	3,442	2,685
	FP 16/23	20,28	24,28	3,588	2,799
	FP 16/24	21,16	25,16	3,734	2,913
	FP 16/25	22,04	26,04	3,881	3,027
	FP 16/26	22,92	26,92	4,027	3,141
	FP 16/27	23,80	27,80	4,174	3,255
FP 16/28	24,68	28,68	4,320	3,370	
FP 16/29	25,56	29,56	4,466	3,484	
FP 16/30	26,44	30,44	4,613	3,598	
FP 16/31	27,32	31,32	4,759	3,712	
FP 16/32	28,20	32,20	4,906	3,826	

FP SILO DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
15,46 m (51 FT) (D) FP17	FP 17/8	7,08	11,28	1,587	1,238
	FP 17/9	7,96	12,16	1,752	1,367
	FP 17/10	8,84	13,04	1,917	1,495
	FP 17/11	9,72	13,92	2,083	1,624
	FP 17/12	10,60	14,80	2,248	1,753
	FP 17/13	11,48	15,68	2,413	1,882
	FP 17/14	12,36	16,56	2,578	2,011
	FP 17/15	13,24	17,44	2,744	2,140
	FP 17/16	14,12	18,32	2,909	2,269
	FP 17/17	15,00	19,20	3,074	2,398
	FP 17/18	15,88	20,08	3,239	2,527
	FP 17/19	16,76	20,96	3,405	2,656
	FP 17/20	17,64	21,84	3,570	2,785
	FP 17/21	18,52	22,72	3,735	2,913
	FP 17/22	19,40	23,60	3,900	3,042
	FP 17/23	20,28	24,48	4,066	3,171
	FP 17/24	21,16	25,36	4,231	3,300
	FP 17/25	22,04	26,24	4,396	3,429
	FP 17/26	22,92	27,12	4,562	3,558
	FP 17/27	23,80	28,00	4,727	3,687
FP 17/28	24,68	28,88	4,892	3,816	
FP 17/29	25,56	29,76	5,057	3,945	
FP 17/30	26,44	30,64	5,223	4,074	
FP 17/31	27,32	31,52	5,388	4,203	
FP 17/32	28,20	32,40	5,553	4,331	
16,37 m (54 FT) (D) FP18	FP 18/8	7,08	11,54	1,796	1,401
	FP 18/9	7,96	12,42	1,981	1,545
	FP 18/10	8,84	13,30	2,166	1,690
	FP 18/11	9,72	14,18	2,352	1,834
	FP 18/12	10,60	15,06	2,537	1,979
	FP 18/13	11,48	15,94	2,722	2,123
	FP 18/14	12,36	16,82	2,908	2,268
	FP 18/15	13,24	17,70	3,093	2,412
	FP 18/16	14,12	18,58	3,278	2,557
	FP 18/17	15,00	19,46	3,463	2,701
	FP 18/18	15,88	20,35	3,649	2,846
	FP 18/19	16,76	21,23	3,834	2,990
	FP 18/20	17,64	22,11	4,019	3,135
	FP 18/21	18,52	22,99	4,205	3,280
	FP 18/22	19,40	23,87	4,390	3,424
	FP 18/23	20,28	24,75	4,575	3,569
	FP 18/24	21,16	25,63	4,760	3,713
	FP 18/25	22,04	26,51	4,946	3,858
	FP 18/26	22,92	27,39		

FP SILO DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
20,92 m (69 FT) (D) FP23	FP 23/8	7,08	13,03	3.071	2.395
	FP 23/9	7,96	13,91	3.373	2.631
	FP 23/10	8,84	14,79	3.676	2.867
	FP 23/11	9,72	15,67	3.978	3.103
	FP 23/12	10,60	16,55	4.281	3.339
	FP 23/13	11,48	17,43	4.583	3.575
	FP 23/14	12,36	18,31	4.886	3.811
	FP 23/15	13,24	19,19	5.188	4.047
	FP 23/16	14,12	20,07	5.491	4.283
	FP 23/17	15,00	20,95	5.793	4.519
	FP 23/18	15,88	21,83	6.096	4.755
	FP 23/19	16,76	22,71	6.398	4.991
	FP 23/20	17,64	23,59	6.701	5.227
	FP 23/21	18,52	24,47	7.003	5.463
	FP 23/22	19,40	25,35	7.306	5.699
	FP 23/23	20,28	26,23	7.608	5.935
	FP 23/24	21,16	27,11	7.911	6.170
	FP 23/25	22,04	27,99	8.213	6.406
	FP 23/26	22,92	28,87	8.516	6.642
	FP 23/27	23,80	29,75	8.818	6.878
FP 23/28	24,68	30,63	9.121	7.114	
FP 23/29	25,56	31,51	9.423	7.350	
FP 23/30	26,44	32,39	9.726	7.586	
FP 23/31	27,32	33,27	10.029	7.822	
FP 23/32	28,20	34,15	10.331	8.058	
21,83 m (72 FT) (D) FP24	FP 24/8	7,08	13,29	3.374	2.631
	FP 24/9	7,96	14,17	3.703	2.888
	FP 24/10	8,84	15,05	4.032	3.145
	FP 24/11	9,72	15,93	4.362	3.402
	FP 24/12	10,60	16,81	4.691	3.659
	FP 24/13	11,48	17,69	5.021	3.916
	FP 24/14	12,36	18,57	5.350	4.173
	FP 24/15	13,24	19,45	5.679	4.430
	FP 24/16	14,12	20,33	6.009	4.687
	FP 24/17	15,00	21,21	6.338	4.944
	FP 24/18	15,88	22,09	6.668	5.201
	FP 24/19	16,76	22,97	6.997	5.458
	FP 24/20	17,64	23,85	7.326	5.715
	FP 24/21	18,52	24,73	7.656	5.971
	FP 24/22	19,40	25,61	7.985	6.228
	FP 24/23	20,28	26,49	8.315	6.485
	FP 24/24	21,16	27,37	8.644	6.742
	FP 24/25	22,04	28,25	8.973	6.999
	FP 24/26	22,92	29,13	9.303	7.256
	FP 24/27	23,80	30,01	9.632	7.513
FP 24/28	24,68	30,89	9.962	7.770	
FP 24/29	25,56	31,77	10.291	8.027	
FP 24/30	26,44	32,65	10.620	8.284	
FP 24/31	27,32	33,53	10.950	8.541	
FP 24/32	28,20	34,41	11.279	8.798	
22,74 m (75 FT) (D) FP25	FP 25/8	7,08	13,55	3.693	2.881
	FP 25/9	7,96	14,43	4.051	3.160
	FP 25/10	8,84	15,31	4.408	3.438
	FP 25/11	9,72	16,19	4.766	3.717
	FP 25/12	10,60	17,07	5.123	3.996
	FP 25/13	11,48	17,95	5.480	4.275
	FP 25/14	12,36	18,83	5.838	4.554
	FP 25/15	13,24	19,71	6.195	4.832
	FP 25/16	14,12	20,59	6.553	5.111
	FP 25/17	15,00	21,47	6.910	5.390
	FP 25/18	15,88	22,35	7.267	5.669
	FP 25/19	16,76	23,23	7.625	5.947
	FP 25/20	17,64	24,11	7.982	6.226
	FP 25/21	18,52	24,99	8.340	6.505
	FP 25/22	19,40	25,87	8.697	6.784
	FP 25/23	20,28	26,75	9.055	7.063
	FP 25/24	21,16	27,63	9.412	7.341
	FP 25/25	22,04	28,51	9.769	7.620
	FP 25/26	22,92	29,39	10.127	7.899
	FP 25/27	23,80	30,27	10.484	8.178
FP 25/28	24,68	31,15	10.842	8.456	
FP 25/29	25,56	32,03	11.199	8.735	
FP 25/30	26,44	32,91	11.556	9.014	
FP 25/31	27,32	33,79	11.914	9.293	
FP 25/32	28,20	34,67	12.271	9.572	

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
23,65 m (78 FT) (D) FP26	FP 26/8	7,08	13,81	4.030	3.143
	FP 26/9	7,96	14,69	4.417	3.445
	FP 26/10	8,84	15,57	4.803	3.747
	FP 26/11	9,72	16,45	5.190	4.048
	FP 26/12	10,60	17,33	5.576	4.350
	FP 26/13	11,48	18,21	5.963	4.651
	FP 26/14	12,36	19,09	6.350	4.953
	FP 26/15	13,24	19,97	6.736	5.254
	FP 26/16	14,12	20,85	7.123	5.556
	FP 26/17	15,00	21,73	7.509	5.857
	FP 26/18	15,88	22,61	7.896	6.159
	FP 26/19	16,76	23,49	8.283	6.460
	FP 26/20	17,64	24,37	8.669	6.762
	FP 26/21	18,52	25,25	9.056	7.063
	FP 26/22	19,40	26,13	9.442	7.365
	FP 26/23	20,28	27,01	9.829	7.666
	FP 26/24	21,16	27,90	10.215	7.968
	FP 26/25	22,04	28,78	10.602	8.270
	FP 26/26	22,92	29,66	10.989	8.571
	FP 26/27	23,80	30,54	11.375	8.873
FP 26/28	24,68	31,42	11.762	9.174	
FP 26/29	25,56	32,30	12.148	9.476	
FP 26/30	26,44	33,18	12.535	9.777	
FP 26/31	27,32	34,06	12.921	10.079	
FP 26/32	28,20	34,94	13.308	10.380	
24,56 m (81 FT) (D) FP27	FP 27/8	7,08	14,08	4.384	3.420
	FP 27/9	7,96	14,96	4.801	3.745
	FP 27/10	8,84	15,84	5.218	4.070
	FP 27/11	9,72	16,72	5.635	4.395
	FP 27/12	10,60	17,60	6.052	4.720
	FP 27/13	11,48	18,48	6.469	5.046
	FP 27/14	12,36	19,36	6.886	5.371
	FP 27/15	13,24	20,24	7.302	5.696
	FP 27/16	14,12	21,12	7.719	6.021
	FP 27/17	15,00	22,00	8.136	6.346
	FP 27/18	15,88	22,88	8.553	6.671
	FP 27/19	16,76	23,76	8.970	6.997
	FP 27/20	17,64	24,64	9.387	7.322
	FP 27/21	18,52	25,52	9.804	7.647
	FP 27/22	19,40	26,40	10.221	7.972
	FP 27/23	20,28	27,28	10.638	8.297
	FP 27/24	21,16	28,16	11.055	8.623
	FP 27/25	22,04	29,04	11.471	8.948
	FP 27/26	22,92	29,92	11.888	9.273
	FP 27/27	23,80	30,80	12.305	9.598
FP 27/28	24,68	31,68	12.722	9.923	
FP 27/29	25,56	32,56	13.139	10.248	
FP 27/30	26,44	33,44	13.556	10.574	
FP 27/31	27,32	34,32	13.973	10.899	
FP 27/32	28,20	35,20	14.390	11.224	
25,47 m (84 FT) (D) FP28	FP 28/8	7,08	14,34	4.756	3.710
	FP 28/9	7,96	15,22	5.204	4.059
	FP 28/10	8,84	16,10	5.653	4.409
	FP 28/11	9,72	16,98	6.101	4.759
	FP 28/12	10,60	17,86	6.549	5.109
	FP 28/13	11,48	18,74	6.998	5.458
	FP 28/14	12,36	19,62	7.446	5.808
	FP 28/15	13,24	20,50	7.894	6.158
	FP 28/16	14,12	21,38	8.343	6.507
	FP 28/17	15,00	22,26	8.791	6.857
	FP 28/18	15,88	23,14	9.240	7.207
	FP 28/19	16,76	24,02	9.688	7.557
	FP 28/20	17,64	24,90	10.136	7.906
	FP 28/21	18,52	25,78	10.585	8.256
	FP 28/22	19,40	26,66	11.033	8.606
	FP 28/23	20,28	27,54	11.481	8.955
	FP 28/24	21,16	28,42	11.930	9.305
	FP 28/25	22,04	29,30	12.378	9.655
	FP 28/26	22,92	30,18	12.826	10.004
	FP 28/27	23,80	31,06	13.275	10.354
FP 28/28	24,68	31,94	13.723	10.704	
FP 28/29	25,56	32,82	14.171	11.054	
FP 28/30	26,44	33,70	14.620	11.403	
FP 28/31	27,32	34,58	15.068	11.753	
FP 28/32	28,20	35,46	15.516	12.103	

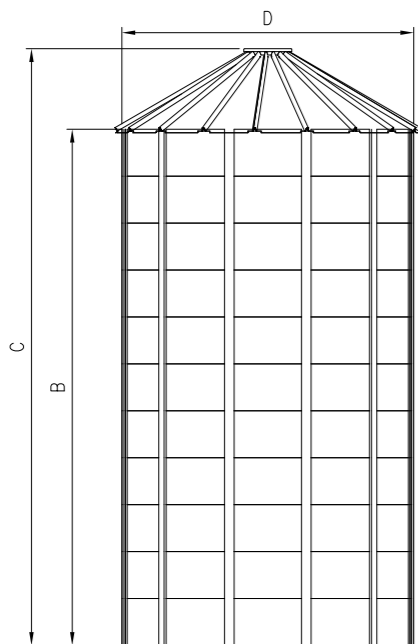
FP SILO DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
26,38 m (87 FT) (D) FP29	FP 29/8	7,08	14,60	5.146	4.014
	FP 29/9	7,96	15,48	5.627	4.389
	FP 29/10	8,84	16,36	6.108	4.764
	FP 29/11	9,72	17,24	6.589	5.139
	FP 29/12	10,60	18,12	7.070	5.514
	FP 29/13	11,48	19,00	7.551	5.889
	FP 29/14	12,36	19,88	8.032	6.265
	FP 29/15	13,24	20,76	8.513	6.640
	FP 29/16	14,12	21,64	8.993	7.015
	FP 29/17	15,00	22,52	9.474	7.390
	FP 29/18	15,88	23,40	9.955	7.765
	FP 29/19	16,76	24,28	10.436	8.140
	FP 29/20	17,64	25,16	10.917	8.515
	FP 29/21	18,52	26,04	11.398	8.891
	FP 29/22	19,40	26,92	11.879	9.266
	FP 29/23	20,28	27,80	12.360	9.641
	FP 29/24	21,16	28,68	12.841	10.016
	FP 29/25	22,04	29,56	13.322	10.391
	FP 29/26	22,92	30,44	13.803	10.766
	FP 29/27	23,80	31,32	14.284	11.141
FP 29/28	24,68	32,20	14.765	11.516	
FP 29/29	25,56	33,08	15.246	11.892	
FP 29/30	26,44	33,96	15.727	12.267	
FP 29/31	27,32	34,84	16.208	12.642	
FP 29/32	28,20	35,72	16.688	13.017	
27,29 m (90 FT) (D) FP30	FP 30/8	7,08	14,86	5.554	4.332
	FP 30/9	7,96	15,74	6.069	4.734
	FP 30/10	8,84	16,62	6.583	5.135
	FP 30/11	9,72	17,50	7.098	5.537
	FP 30/12	10,60	18,38	7.613	5.938
	FP 30/13	11,48	19,26	8.127	6.339
	FP 30/14	12,36	20,14	8.642	6.741
	FP 30/15	13,24	21,02	9.157	7.142
	FP 30/16	14,12	21,90	9.672	7.544
	FP 30/17	15,00	22,78	10.186	7.945
	FP 30/18	15,88	23,66	10.701	8.347
	FP 30/19	16,76	24,54	11.216	8.748
	FP 30/20	17,64	25,42	11.730	9.150
	FP 30/21	18,52	26,31	12.245	9.551
	FP 30/22	19,40	27,19	12.760	9.952
	FP 30/23	20,28	28,07	1	

FP SILO DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m³	Tonnes
31,83 m (105 FT) (D) FP35	FP 35/8	7,08	16,12	7.881	6.147
	FP 35/9	7,96	17,00	8.581	6.693
	FP 35/10	8,84	17,88	9.282	7.240
	FP 35/11	9,72	18,76	9.982	7.786
	FP 35/12	10,60	19,64	10.683	8.332
	FP 35/13	11,48	20,52	11.383	8.879
	FP 35/14	12,36	21,40	12.084	9.425
	FP 35/15	13,24	22,28	12.784	9.972
	FP 35/16	14,12	23,16	13.485	10.518
	FP 35/17	15,00	24,04	14.185	11.065
	FP 35/18	15,88	24,92	14.886	11.611
	FP 35/19	16,76	25,80	15.586	12.157
	FP 35/20	17,64	26,68	16.287	12.704
	FP 35/21	18,52	27,56	16.987	13.250
	FP 35/22	19,40	28,44	17.688	13.797
	FP 35/23	20,28	29,32	18.389	14.343
	FP 35/24	21,16	30,20	19.089	14.889
	FP 35/25	22,04	31,08	19.790	15.436
	FP 35/26	22,92	31,96	20.490	15.982
	FP 35/27	23,80	32,84	21.191	16.529
FP 35/28	24,68	33,72	21.891	17.075	
FP 35/29	25,56	34,60	22.592	17.622	
FP 35/30	26,44	35,48	23.292	18.168	
FP 35/31	27,32	36,36	23.993	18.714	
FP 35/32	28,20	37,24	24.693	19.261	
32,74 m (108 FT) (D) FP36	FP 36/8	7,08	16,38	8.405	6.556
	FP 36/9	7,96	17,26	9.146	7.134
	FP 36/10	8,84	18,14	9.887	7.712
	FP 36/11	9,72	19,02	10.629	8.290
	FP 36/12	10,60	19,90	11.370	8.868
	FP 36/13	11,48	20,78	12.111	9.446
	FP 36/14	12,36	21,66	12.852	10.025
	FP 36/15	13,24	22,54	13.593	10.603
	FP 36/16	14,12	23,42	14.334	11.181
	FP 36/17	15,00	24,30	15.075	11.759
	FP 36/18	15,88	25,18	15.817	12.337
	FP 36/19	16,76	26,06	16.558	12.915
	FP 36/20	17,64	26,94	17.299	13.493
	FP 36/21	18,52	27,82	18.040	14.071
	FP 36/22	19,40	28,70	18.781	14.649
	FP 36/23	20,28	29,58	19.522	15.227
	FP 36/24	21,16	30,46	20.263	15.805
	FP 36/25	22,04	31,34	21.004	16.384
	FP 36/26	22,92	32,22	21.746	16.962
	FP 36/27	23,80	33,10	22.487	17.540
FP 36/28	24,68	33,98	23.228	18.118	
FP 36/29	25,56	34,86	23.969	18.696	
FP 36/30	26,44	35,74	24.710	19.274	
FP 36/31	27,32	36,62	25.451	19.852	
FP 36/32	28,20	37,50	26.192	20.430	

Legend & Details



NOTE:

The maximum capacity of the silos is calculated assuming an angle of repose of 28° and based on uncompacted cereals weight of 780 kg/m³. Silos are designed to meet:
 - 144 km/h wind speed
 - 75 kg/m² of snow on the roof
 Standard roof peak capacity varies from 250 to 15.000 kg, depending on silo diameter.
 AGI FRAME reserves right to change specifications without prior notice.

45 DEG. HOPPER SILO - DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m³	Tonnes
3,64 m (12 FT) (D) FC45 4	FC 4/5	6,92	7,91	56	44
	FC 4/6	7,80	8,79	65	51
	FC 4/7	8,68	9,67	74	58
	FC 4/8	9,56	10,55	83	65
	FC 4/9	10,44	11,43	92	72
	FC 4/10	11,32	12,31	102	79
	FC 4/11	12,20	13,19	111	86
	FC 4/12	13,08	14,07	120	93
	FC 4/13	13,96	14,95	129	101
	FC 4/14	14,84	15,83	138	108
	FC 4/15	15,72	16,71	147	115
	FC 4/16	16,60	17,59	156	122
	FC 4/17	17,48	18,47	166	129
	FC 4/18	18,36	19,35	175	136
	FC 4/19	19,24	20,23	184	143
	FC 4/20	20,12	21,11	193	151
4,55 m (15 FT) (D) FC45 5	FC 5/5	7,37	8,62	91	71
	FC 5/6	8,25	9,50	105	82
	FC 5/7	9,13	10,38	120	93
	FC 5/8	10,01	11,26	134	104
	FC 5/9	10,89	12,14	148	116
	FC 5/10	11,77	13,02	162	127
	FC 5/11	12,65	13,90	177	138
	FC 5/12	13,53	14,78	191	149
	FC 5/13	14,41	15,66	205	160
	FC 5/14	15,29	16,54	220	171
	FC 5/15	16,17	17,42	234	182
	FC 5/16	17,05	18,30	248	194
	FC 5/17	17,93	19,18	263	205
	FC 5/18	18,81	20,07	277	216
	FC 5/19	19,69	20,95	291	227
	FC 5/20	20,57	21,83	305	238
FC 5/21	21,45	22,71	320	249	
FC 5/22	22,33	23,59	334	261	
FC 5/23	23,21	24,47	348	272	
FC 5/24	24,09	25,35	363	283	
FC 5/25	24,97	26,23	377	294	
5,46 m (18 FT) (D) FC45 6	FC 6/5	7,83	9,34	136	106
	FC 6/6	8,71	10,22	157	122
	FC 6/7	9,59	11,10	178	139
	FC 6/8	10,47	11,98	198	155
	FC 6/9	11,35	12,86	219	171
	FC 6/10	12,23	13,74	239	187
	FC 6/11	13,11	14,62	260	203
	FC 6/12	13,99	15,50	281	219
	FC 6/13	14,87	16,38	301	235
	FC 6/14	15,75	17,26	322	251
	FC 6/15	16,63	18,14	342	267
	FC 6/16	17,51	19,02	363	283
	FC 6/17	18,39	19,90	383	299
	FC 6/18	19,27	20,78	404	315
	FC 6/19	20,15	21,66	425	331
	FC 6/20	21,03	22,54	445	347
FC 6/21	21,91	23,42	466	363	
FC 6/22	22,79	24,30	486	379	
FC 6/23	23,67	25,18	507	395	
FC 6/24	24,55	26,06	528	412	
FC 6/25	25,43	26,94	548	428	
6,37 m (21 FT) (D) FC45 7	FC 7/5	8,28	10,06	193	151
	FC 7/6	9,16	10,94	221	172
	FC 7/7	10,04	11,82	249	194
	FC 7/8	10,92	12,70	277	216
	FC 7/9	11,80	13,58	305	238
	FC 7/10	12,68	14,46	333	260
	FC 7/11	13,56	15,34	361	282
	FC 7/12	14,44	16,22	389	304
	FC 7/13	15,32	17,10	417	325
	FC 7/14	16,20	17,98	445	347
	FC 7/15	17,08	18,86	473	369
	FC 7/16	17,96	19,74	501	391
	FC 7/17	18,84	20,62	529	413
	FC 7/18	19,72	21,50	557	435
	FC 7/19	20,60	22,38	585	457
	FC 7/20	21,48	23,26	613	478
FC 7/21	22,36	24,14	641	500	
FC 7/22	23,24	25,02	669	522	
FC 7/23	24,12	25,90	697	544	
FC 7/24	25,00	26,78	725	566	
FC 7/25	25,88	27,66	754	588	

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m³	Tonnes
7,28 m (24 FT) (D) FC45 8	FC 8/5	8,74	10,78	262	204
	FC 8/6	9,62	11,66	298	233
	FC 8/7	10,50	12,54	335	261
	FC 8/8	11,38	13,42	372	290
	FC 8/9	12,26	14,30	408	318
	FC 8/10	13,14	15,18	445	347
	FC 8/11	14,02	16,06	481	376
	FC 8/12	14,90	16,94	518	404
	FC 8/13	15,78	17,82	555	433
	FC 8/14	16,66	18,70	591	461
	FC 8/15	17,54	19,58	628	490
	FC 8/16	18,42	20,46	664	518
	FC 8/17	19,30	21,34	701	547
	FC 8/18	20,18	22,22	738	575
	FC 8/19	21,06	23,10	774	604
	FC 8/20	21,94	23,98	811	632
FC 8/21	22,82	24,86	847	661	
FC 8/22	23,70	25,74	884	690	
FC 8/23	24,58	26,62	921	718	
FC 8/24	25,46	27,50	957	747	
FC 8/25	26,34	28,38	994	775	
8,19 m (27 FT) (D) FC45 9	FC 9/5	9,53	11,83	349	272
	FC 9/6	10,41	12,71	395	308
	FC 9/7	11,29	13,59	442	344
	FC 9/8	12,17	14,47	488	381
	FC 9/9	13,05	15,35	534	417
	FC 9/10	13,93	16,23	580	453
	FC 9/11	14,81	17,11	627	489
	FC 9/12	15,69	17,99	673	525
	FC 9/13	16,57	18,87	719	561
	FC 9/14	17,45	19,75	766	597
	FC 9/15	18,33	20,63	812	633
	FC 9/16	19,21	21,51	858	670
	FC 9/17	20,09	22,39	905	706
	FC 9/18	20,97	23,27	951	742
	FC 9/19	21,85	24,15	997	778
	FC 9/20	22,73	25,03	1.044	814
FC 9/21	23,61	25,91	1.090	850	
FC 9/22	24,49	26,79	1.136	886	
FC 9/23	25,37	27,67	1.183	922	
FC 9/24	26,25	28,56	1.229	959	
FC 9/25	27,13	29,44	1.275	995	
FC 9/26	28,01	30,32	1.322	1.031	
FC 9/27	28,89	31,20	1.368	1.067	
FC 9/28	29,77	32,08	1.414	1.103	
FC 9/29	30,65	32,96	1.461	1.139	
FC 9/30	31,53	33,84	1.507	1.175	
9,10 m (30 FT) (D) FC45 10	FC 10/5	10,28	12,70	448	350
	FC 10/6	11,16	13,58	506	394
	FC 10/7	12,04	14,46	563	439
	FC 10/8	12,92	15,34	620	484
	FC 10/9	13,80	16,22	677	528
	FC 10/10	14,68	17,10	734	573
	FC 10/11	15,56	17,98	792	617

45 DEG. HOPPER SILO - DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
10,00 m (33 FT) (D) FC45 11 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.450 mm (E)	FC 11/5	10,74	13,43	562	438
	FC 11/6	11,62	14,31	631	492
	FC 11/7	12,50	15,19	700	546
	FC 11/8	13,38	16,07	769	600
	FC 11/9	14,26	16,95	838	654
	FC 11/10	15,14	17,83	908	708
	FC 11/11	16,02	18,71	977	762
	FC 11/12	16,90	19,59	1,046	816
	FC 11/13	17,78	20,47	1,115	870
	FC 11/14	18,66	21,35	1,184	924
	FC 11/15	19,54	22,23	1,254	978
	FC 11/16	20,43	23,12	1,324	1,032
	FC 11/17	21,31	24,00	1,393	1,086
	FC 11/18	22,19	24,88	1,462	1,140
	FC 11/19	23,07	25,76	1,531	1,194
	FC 11/20	23,95	26,64	1,600	1,248
	FC 11/21	24,83	27,52	1,670	1,302
	FC 11/22	25,71	28,40	1,739	1,356
	FC 11/23	26,59	29,28	1,808	1,410
	FC 11/24	27,47	30,16	1,877	1,464
FC 11/25	28,35	31,04	1,946	1,518	
FC 11/26	29,23	31,92	2,016	1,572	
FC 11/27	30,11	32,80	2,085	1,626	
FC 11/28	30,99	33,68	2,154	1,680	
FC 11/29	31,87	34,56	2,223	1,734	
FC 11/30	32,75	35,44	2,292	1,788	
10,91 m (36 FT) (D) FC45 12 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.450 mm (E)	FC 12/5	11,21	14,15	691	539
	FC 12/6	12,09	15,03	773	603
	FC 12/7	12,97	15,91	856	667
	FC 12/8	13,85	16,79	938	732
	FC 12/9	14,73	17,68	1,020	796
	FC 12/10	15,61	18,56	1,103	860
	FC 12/11	16,49	19,44	1,185	924
	FC 12/12	17,37	20,32	1,267	989
	FC 12/13	18,25	21,20	1,350	1,053
	FC 12/14	19,13	22,08	1,432	1,117
	FC 12/15	20,01	22,96	1,515	1,181
	FC 12/16	20,90	23,85	1,598	1,247
	FC 12/17	21,78	24,73	1,681	1,311
	FC 12/18	22,66	25,61	1,763	1,375
	FC 12/19	23,54	26,49	1,845	1,439
	FC 12/20	24,42	27,37	1,928	1,504
	FC 12/21	25,30	28,25	2,010	1,568
	FC 12/22	26,18	29,13	2,092	1,632
	FC 12/23	27,06	30,01	2,175	1,696
	FC 12/24	27,94	30,89	2,257	1,761
FC 12/25	28,82	31,77	2,339	1,825	
FC 12/26	29,70	32,65	2,422	1,889	
FC 12/27	30,58	33,53	2,504	1,953	
FC 12/28	31,46	34,41	2,586	2,017	
FC 12/29	32,34	35,29	2,669	2,082	
FC 12/30	33,22	36,17	2,751	2,146	
11,82 m (39 FT) (D) FC45 13 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.450 mm (E)	FC 13/5	11,69	14,90	840	655
	FC 13/6	12,57	15,78	936	730
	FC 13/7	13,45	16,66	1,033	806
	FC 13/8	14,33	17,54	1,130	881
	FC 13/9	15,21	18,42	1,226	957
	FC 13/10	16,09	19,30	1,323	1,032
	FC 13/11	16,97	20,18	1,420	1,107
	FC 13/12	17,85	21,06	1,516	1,183
	FC 13/13	18,73	21,94	1,613	1,258
	FC 13/14	19,61	22,82	1,710	1,333
	FC 13/15	20,49	23,70	1,806	1,409
	FC 13/16	21,38	24,59	1,904	1,485
	FC 13/17	22,26	25,47	2,001	1,560
	FC 13/18	23,14	26,35	2,097	1,636
	FC 13/19	24,02	27,23	2,194	1,711
	FC 13/20	24,90	28,11	2,291	1,787
	FC 13/21	25,78	28,99	2,387	1,862
	FC 13/22	26,66	29,87	2,484	1,937
	FC 13/23	27,54	30,75	2,581	2,013
	FC 13/24	28,42	31,63	2,677	2,088
FC 13/25	29,30	32,51	2,774	2,164	
FC 13/26	30,18	33,39	2,870	2,239	
FC 13/27	31,06	34,27	2,967	2,314	
FC 13/28	31,94	35,15	3,064	2,390	
FC 13/29	32,82	36,03	3,160	2,465	
FC 13/30	33,70	36,91	3,257	2,540	

NOTE:

The maximum capacity of the silos is calculated assuming an angle of repose of 28° and based on uncompacted cereals weight of 780 kg/m³.
 Silos are designed to meet:
 - 144 km/h wind speed
 - 75 kg/m² of snow on the roof
 Standard roof peak capacity varies from 250 to 15,000 kg, depending on silo diameter.
 AGI FRAME reserves right to change specifications without prior notice.

60 DEG. HOPPER SILO - DIMENSIONS & CAPACITIES

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
12,73 m (42 FT) (D) FC45 14 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.450 mm (E)	FC 14/5	12,15	15,62	1,004	783
	FC 14/6	13,03	16,50	1,116	870
	FC 14/7	13,91	17,38	1,228	958
	FC 14/8	14,79	18,26	1,340	1,045
	FC 14/9	15,67	19,14	1,452	1,132
	FC 14/10	16,55	20,02	1,564	1,220
	FC 14/11	17,43	20,90	1,676	1,307
	FC 14/12	18,31	21,78	1,788	1,395
	FC 14/13	19,19	22,66	1,900	1,482
	FC 14/14	20,07	23,54	2,012	1,570
	FC 14/15	20,95	24,42	2,124	1,657
	FC 14/16	21,84	25,31	2,238	1,745
	FC 14/17	22,72	26,19	2,350	1,833
	FC 14/18	23,60	27,07	2,462	1,920
	FC 14/19	24,48	27,95	2,574	2,008
	FC 14/20	25,36	28,83	2,686	2,095
	FC 14/21	26,24	29,71	2,798	2,183
	FC 14/22	27,12	30,59	2,910	2,270
	FC 14/23	28,00	31,47	3,022	2,357
	FC 14/24	28,88	32,35	3,134	2,445
FC 14/25	29,76	33,23	3,247	2,532	
FC 14/26	30,64	34,11	3,359	2,620	
FC 14/27	31,52	34,99	3,471	2,707	
FC 14/28	32,40	35,87	3,583	2,795	
FC 14/29	33,28	36,75	3,695	2,882	
FC 14/30	34,16	37,63	3,807	2,969	
13,46 m (45 FT) (D) FC45 15 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.450 mm (E)	FC 15/5	12,61	16,35	1,187	926
	FC 15/6	13,49	17,23	1,316	1,027
	FC 15/7	14,37	18,11	1,445	1,127
	FC 15/8	15,25	18,99	1,573	1,227
	FC 15/9	16,13	19,87	1,702	1,328
	FC 15/10	17,01	20,75	1,831	1,428
	FC 15/11	17,89	21,63	1,959	1,528
	FC 15/12	18,77	22,51	2,088	1,629
	FC 15/13	19,65	23,39	2,217	1,729
	FC 15/14	20,53	24,27	2,345	1,829
	FC 15/15	21,41	25,15	2,474	1,930
	FC 15/16	22,29	26,03	2,603	2,030
	FC 15/17	23,17	26,91	2,731	2,131
	FC 15/18	24,05	27,79	2,860	2,231
	FC 15/19	24,93	28,67	2,989	2,331
	FC 15/20	25,81	29,55	3,117	2,432
	FC 15/21	26,69	30,43	3,246	2,532
	FC 15/22	27,57	31,31	3,375	2,632
	FC 15/23	28,45	32,19	3,503	2,733
	FC 15/24	29,33	33,07	3,632	2,833
FC 15/25	30,21	33,95	3,761	2,933	
FC 15/26	31,09	34,83	3,889	3,034	
FC 15/27	31,97	35,71	4,018	3,134	
FC 15/28	32,85	36,59	4,147	3,235	
FC 15/29	33,73	37,47	4,276	3,335	
FC 15/30	34,61	38,35	4,404	3,435	
FC 15/31	35,49	39,23	4,533	3,536	
FC 15/32	36,37	40,11	4,662	3,636	
14,55 m (48 FT) FC45 16 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.450 mm	FC 16/5	13,07	17,06	1,390	1,084
	FC 16/6	13,95	17,94	1,536	1,198
	FC 16/7	14,83	18,82	1,682	1,312
	FC 16/8	15,71	19,70	1,829	1,427
	FC 16/9	16,59	20,58	1,975	1,541
	FC 16/10	17,47	21,46	2,122	1,655
	FC 16/11	18,35	22,34	2,268	1,769
	FC 16/12	19,23	23,22	2,414	1,883
	FC 16/13	20,11	24,10	2,561	1,997
	FC 16/14	20,99	24,98	2,707	2,112
	FC 16/15	21,87	25,87	2,854	2,226
	FC 16/16	22,75	26,75	3,000	2,340
	FC 16/17	23,63	27,63	3,146	2,454
	FC 16/18	24,51	28,51	3,293	2,568
	FC 16/19	25,39	29,39	3,439	2,683
	FC 16/20	26,27	30,27	3,586	2,797
	FC 16/21	27,15	31,15	3,732	2,911
	FC 16/22	28,03	32,03	3,878	3,025
	FC 16/23	28,91	32,91	4,025	3,139
	FC 16/24	29,79	33,79	4,171	3,254
FC 16/25	30,67	34,67	4,318	3,368	
FC 16/26	31,55	35,55	4,464	3,482	
FC 16/27	32,43	36,43	4,610	3,596	
FC 16/28	33,31	37,31	4,757	3,710	
FC 16/29	34,19	38,19	4,903	3,824	
FC 16/30	35,07	39,07	5,050	3,939	
FC 16/31	35,95	39,95	5,196	4,053	
FC 16/32	36,83	40,83	5,342	4,167	

DIAMETER METERS (FEET)	MODEL	HEIGHTS		CAPACITY	
		EAVES m (B)	OVERALL m (C)	m ³	Tonnes
3,64 m (12 FT) (D) FC60 4 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.000 mm (E)	FC 4/5	8,05	9,04	61	48
	FC 4/6	8,93	9,92	70	55
	FC 4/7	9,81	10,80	79	62
	FC 4/8	10,69	11,68	89	69
	FC 4/9	11,57	12,56	98	76
	FC 4/10	12,45	13,44	107	83
	FC 4/11	13,33	14,32	116	91
	FC 4/12	14,21	15,20	125	98
	FC 4/13	15,09	16,08	134	105
	FC 4/14	15,97	16,96	143	112
FC 4/15	16,85	17,84	153	119	
FC 4/16	17,73	18,72	162	126	
FC 4/17	18,61	19,60	171	133	
FC 4/18	19,49	20,48	180	140	
FC 4/19	20,37	21,36	189	148	
FC 4/20	21,25	22,24	198	155	
4,55 m (15 FT) (D) FC60 5 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.000 mm (E)	FC 5/5	8,84	10,09	101	79
	FC 5/6	9,72	10,97	115	90
	FC 5/7	10,60	11,85	130	101
	FC 5/8	11,48	12,73	144	112
	FC 5/9	12,36	13,61	158	123
	FC 5/10	13,24	14,49	173	135
	FC 5/11	14,12	15,37	187	146
	FC 5/12	15,00	16,25	201	157
	FC 5/13	15,88	17,13	215	168
	FC 5/14	16,76	18,01	230	179
FC 5/15	17,64	18,89	244	190	
FC 5/16	18,52	19,77	258	202	
FC 5/17	19,40	20,65	273	213	
FC 5/18	20,28	21,53	287	224	
FC 5/19	21,16	22,41	301	235	
FC 5/20	22,04	23,29	316	246	
FC 5/21	22,92	24,17	330	257	
FC 5/22	23,80	25,05	344	268	
FC 5/23	24,68	25,93	358	280	
FC 5/24	25,56	26,81	373	291	
FC 5/25	26,44	27,69	387	302	
5,46 m (18 FT) (D) FC60 6 HOPPER FLANGED OUTLET HEIGHT FROM THE GROUND 1.000 mm (E)	FC 6/5	9,			

Steel Structures

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AGI FRAME

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