

Series S280 Industrial Cabinet

MFB drew on over 30 years experience and utilised construction techniques only possible with the most modern machinery coupled to a powerful CAD/CAM system to produce this very sophisticated range of cabinets. Suited to process control or similar applications on the factory floor or outdoor locations, the S280 Cabinets are robust, versatile and cost effective. The construction and finishing ensure a long life product even under extreme conditions.

The S280 combines the flexibility of the 2005 Series with the sturdy ruggedness of the Industrial Cabinets. MFB have replaced the need for welding through complex bending profiles and state of the art assembly techniques.

All of the sizes offered in the existing Industrial Cabinets are available as S280's, however this new concept eliminates the need to specify the design type, i.e. with or without removable sides etc. All cabinets now have removable sides, yet for security purposes it is only possible to remove the sides through internal access.

All cabinets have either a removable rear panel or rear door option.

As with the existing Industrial Cabinet, doors may be changed on site from left to right hand. All doors can be supplied with a glazed panel fitted.



Product Development

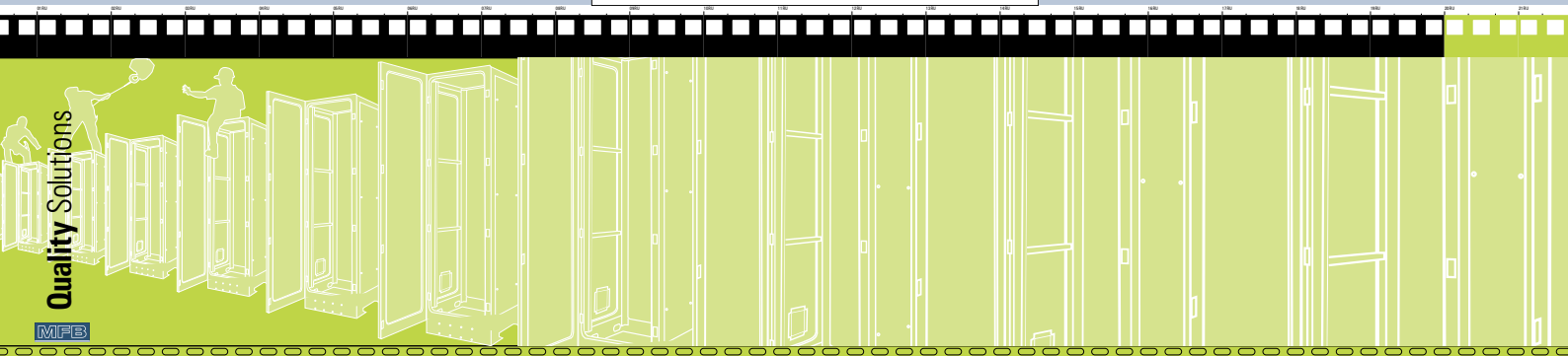
Due to MFB's ongoing commitment to product development we reserve the right to make changes and modifications to all products and specifications without notice. Please contact our technical department if you have any queries in this regard.

Features

- Doors are hung on multiple hinges and secured in the closed position by a multipoint locking system, activated by semi-flush fitting, "lift & swing" key lockable handle. The entire hinge and locking system is located outside the gasketed cabinet front, i.e. these lock rods do not encroach into the working area of the cabinet. Further, as this complete hinge/lock system is symmetrical, rehanging a left hand door to right hand can be accomplished "on site" with the aid of just a screwdriver. The 6ru and 12ru cabinets have a single point lock and provision to reverse hand the door.
- Rack Mounting Angles are finished in black powder coat. Four are supplied as standard and are fully adjustable within the cabinet conforming to IEC 60297 practice.
- Cable access to the cabinet is provided at the base where there are two 50 x 200mm cable entry points fitted with protective gland plates. Alternative requirements should be discussed at the time of ordering.
- Eye Bolt provision for mounting eye bolts are made on all cabinets. However, the eye bolts must be ordered if required. Load capacity of 600kg is considered safe, but Spreader Bars must be used to meet this rating. Refer to pages 76 and 77 of the MFB Product Catalogue (Edition 10) for details.
- Cabinet can carry loads of up to 600kg evenly distributed.

Options

- Glass or Metal doors can be specified front and rear.
- Gear trays can be fitted inside the rear of the cabinet, either full height or partial, finished in either white or international orange baked enamel. They are fabricated in 3mm steel.
- The plinth is 90mm high and incorporates levelling feet, bolt down brackets to secure to the floor and finished in black powder coat.
- A weather Hood for cabinets used outdoors is available. This hood provides additional protection from the elements.
- Venting can be provided through the addition of louvring the cabinet, will remain drip proof but it will no longer meet the IP 55 dust and moisture specification. There is also a range of fan units and air conditioners that can be incorporated into the cabinet. Refer to pages 70, 71 and 75 of the MFB Product Catalogue (Edition 10) for details.
- The fan units to suit these cabinets are fixed inside the cabinets behind the louvres and exhaust air out of the cabinet. A group of air intake louvres are also needed. These need to be of equal size to the exhaust louvres to work efficiently and can be fitted with removable dust filters/insect screens. Refer to pages 70, 71 and 75 of the MFB Product Catalogue (Edition 10) for details.



SERIES S280 INDUSTRIAL CABINETS



Series S280 Industrial Cabinet

Series S280 Industrial Cabinet Frames

RU	HEIGHT	DEPTH	600 WIDE CODE	800 WIDE CODE	800/19" CODE
6	388	450	08000-01	08000-30	08000-60
		600	08000-07	08000-36	08000-66
		800	08000-13	08000-42	08000-72
		1000	08000-19	08000-48	08000-78
12	655	450	08000-02	08000-31	08000-61
		600	08000-08	08000-37	08000-67
		800	08000-14	08000-43	08000-73
		1000	08000-20	08000-49	08000-79
18	922	450	08000-03	08000-32	08000-62
		600	08000-09	08000-38	08000-68
		800	08000-15	08000-44	08000-74
		1000	08000-21	08000-50	08000-80
27	1322	450	08000-04	08000-33	08000-63
		600	08000-10	08000-39	08000-69
		800	08000-16	08000-45	08000-75
		1000	08000-22	08000-51	08000-81
39	1855	450	08000-05	08000-34	08000-64
		600	08000-11	08000-40	08000-70
		800	08000-17	08000-46	08000-76
		1000	08000-23	08000-52	08000-82
45	2122	450	08000-06	08000-35	08000-65
		600	08000-12	08000-41	08000-71
		800	08000-18	08000-47	08000-77
		1000	08000-24	08000-53	08000-83

Frame includes provisions for Front & Rear doors and Removable Side panels.

Construction and Finish

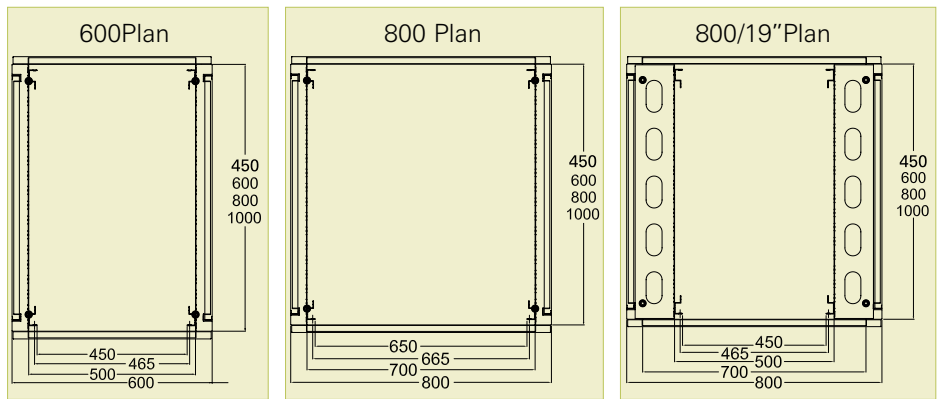
The cabinet components are fabricated from phosphated steel and are powder coated prior to assembly to ensure accurate distortion free reproduction. These cabinets are constructed using modern assembly techniques, welding has been almost completely eliminated.

Standard Conformance

All standard 19" cabinets generally conform to IEC 60297 19" standard. The Industrial Cabinet can be manufactured to conform to IP55 dust and moisture specifications, subject to customer requirements. IP66 can be supplied at extra cost.

Accessories

Most of MFB's standard rack accessories will fit without modification.



Doors are fitted with semi-flush mount lift & swing key locking handles.

Customer Requirements

Special punching requirements, the inclusion of special brackets etc., can be readily undertaken. These are best done at the outset of a project rather than attempting to add later. Whilst we consider our range extensive, sometimes a special size is required. These will be willingly undertaken but may require a longer lead time. Please contact our Sales Department for further assistance.

Series S280 Weather Hood

RU	600 CODE	800 CODE
450	08012-01	08012-05
600	08012-02	08012-06
800	08012-03	08012-07
1000	08012-04	08012-08

Series S280 Plain Plinth

RU	600 CODE	800 CODE
450	08011-01	08011-09
600	08011-02	08011-10
800	08011-03	08011-11
1000	08011-04	08011-12

Series S280
Metal Doors

RU	600 CODE	800 CODE
6	08010-01	08010-20
12	08010-03	08010-22
18	08010-05	08010-24
27	08010-07	08010-26
39	08010-09	08010-28
45	08010-11	08010-30

*Note: All doors will be hinged left hand unless specified

Series S280
Glazed Doors

RU	600 CODE	800 CODE
6	08009-01	08009-07
12	08009-02	08009-08
18	08009-03	08009-09
27	08009-04	08009-10
39	08009-05	08009-11
45	08009-06	08009-12

*Note: All doors will be hinged left hand unless specified

Series S280
Rear Panels

RU	600 CODE	800 CODE
6	08013-01	08013-07
12	08013-02	08013-08
18	08013-03	08013-09
27	08013-04	08013-10
39	08013-05	08013-11
45	08013-06	08013-12



Series S280
Slide Panels

Refer to accessory section for plinths, lifting eyes etc
To establish overall depth of cabinet add 25mm for each door.
Frame does not include doors or sides, these must be ordered separately.

NOTES

RU	DEPTH	PLAIN CODE	LOUVRES IN TOP TO SUIT 1 FAN	LOUVRES IN TOP TO SUIT 2 FAN	LOUVRES IN TOP TO SUIT 4 FAN	LOUVRES IN BOTTOM TO SUIT 1 FAN	LOUVRES IN BOTTOM TO SUIT 2 FAN	LOUVRES IN BOTTOM TO SUIT 4 FAN	CUTOUT TO SUIT 320watt AIR CONDITIONER	CUTOUT TO SUIT 500watt AIR CONDITIONER	CUTOUT TO SUIT 600watt AIR CONDITIONER	CUTOUT TO SUIT 1100watt AIR CONDITIONER	CUTOUT TO SUIT 1500watt AIR CONDITIONER
6	450	08014-01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	600	08014-02	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	800	08014-03	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1000	08014-04	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	450	08014-05	08014-38	N/A	N/A	08014-92	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	600	08014-06	08014-39	N/A	N/A	08014-93	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	800	08014-07	08014-40	08014-41	08014-42	08014-94	08014-95	08014-96	N/A	N/A	N/A	N/A	N/A
	1000	08014-08	08014-72	08014-73	08014-74	08014-121	08014-122	08014-123	N/A	N/A	N/A	N/A	N/A
18	450	08014-09	08014-30	08014-33	N/A	08014-84	08014-87	N/A	N/A	N/A	N/A	N/A	N/A
	600	08014-10	08014-31	08014-34	08014-36	08014-85	08014-88	08014-90	08014-140	08014-148	N/A	N/A	N/A
	800	08014-11	08014-32	08014-35	08014-37	08014-86	08014-89	08014-91	08014-141	08014-149	N/A	N/A	N/A
	1000	08014-12	08014-75	08014-76	08014-77	08014-124	08014-125	08014-126	08014-170	08014-174	N/A	N/A	N/A
27	450	08014-13	08014-43	08014-46	N/A	08014-97	08014-100	N/A	N/A	N/A	N/A	N/A	N/A
	600	08014-14	08014-44	08014-47	08014-49	08014-98	08014-101	08014-103	08014-142	08014-150	08014-156	N/A	N/A
	800	08014-15	08014-45	08014-48	08014-50	08014-99	08014-102	08014-104	08014-143	08014-151	08014-157	N/A	N/A
	1000	08014-16	08014-78	08014-79	08014-80	08014-127	08014-128	08014-129	08014-171	08014-175	08014-178	N/A	N/A
39	450	08014-17	08014-51	08014-54	N/A	08014-105	08014-108	N/A	N/A	N/A	N/A	N/A	N/A
	600	08014-18	08014-52	08014-55	08014-57	08014-106	08014-109	08014-111	08014-144	08014-152	08014-158	08014-162	08014-166
	800	08014-19	08014-53	08014-56	08014-58	08014-107	08014-110	08014-112	08014-145	08014-153	08014-159	08014-163	08014-167
	1000	08014-20	08014-81	08014-82	08014-83	08014-130	08014-131	08014-132	08014-172	08014-176	08014-179	08014-181	08014-183
45	450	08014-21	08014-59	08014-62	N/A	08014-113	08014-116	N/A	N/A	N/A	N/A	N/A	N/A
	600	08014-22	08014-60	08014-63	08014-65	08014-114	08014-117	08014-119	08014-146	08014-154	08014-160	08014-164	08014-168
	800	08014-23	08014-61	08014-64	08014-66	08014-115	08014-118	08014-120	08014-147	08014-155	08014-161	08014-165	08014-169
	1000	08014-24	08014-69	08014-70	08014-71	08014-133	08014-67	08014-68	08014-173	08014-177	08014-180	08014-182	08014-184