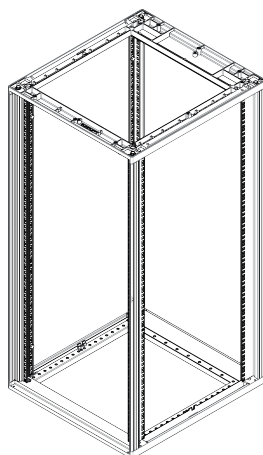


NOVASTAR FRAME TOOLSET

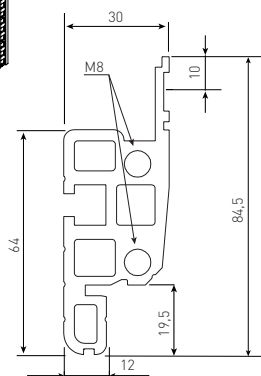
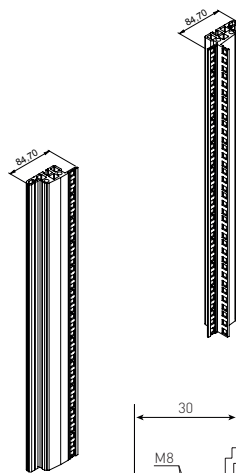
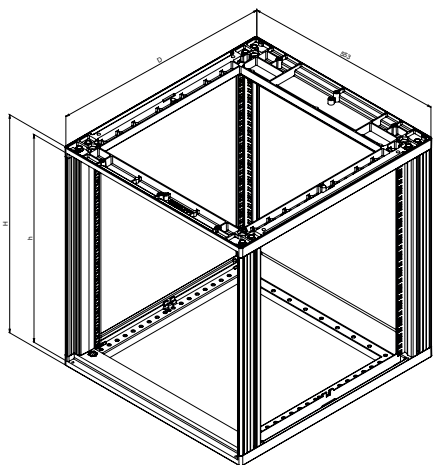
NOVASTAR INCREASES ITS SIZES OFFERING BY ADDING 900mm & 1000mm DEPTHS AS WELL AS UNIVERSAL FRAMES FOR MORE MODULARITY.
NEW DOORS AND LOCKS ARE ALSO AVAILABLE AS WELL AS SOLUTIONS FOR HEAVY EQUIPEMENTS.

Item Number		Dimensions		Description
Slim-Line	Heavy-Duty	Height	Depth	
28230-054	28230-056	12U 357 mm 14.06"	900 mm 35.43"	Slim-Line 19" frame Static load carrying capacity 200 kg 441 lbs Frame stiffening level SL4 according to IEC 61587-1 2011 Aluminium extrusion, RAL7021 GND/earthing included 19" plane 33 mm 1.30" at front 19" plane 60 mm 2.36" at rear 1 piece
28230-055	28230-189		1000 mm 39.37"	
28230-190	28230-192	16U 767 mm 30.20"	900 mm 35.43"	
28230-191	28230-193		1000 mm 39.37"	
28230-194	28230-196	20U 945 mm 37.20"	900 mm 35.43"	
28230-195	28230-197		1000 mm 39.37"	
28230-198	28230-200	25U 1167 mm 45.94"	900 mm 35.43"	
28230-199	28230-201		1000 mm 39.37"	
28230-202	28230-204	34U 1567 mm 61.69"	900 mm 35.43"	
28230-203	28230-205		1000 mm 39.37"	
28230-206	28230-208	38U 1745 mm 68.70"	900 mm 35.43"	Heavy-Duty 19" frame Static load carrying capacity 400 kg 882 lbs Frame stiffening level SL5 according to IEC 61587-1 2011 Aluminium extrusion, RAL7021 GND/earthing included 19" plane 60 mm 1.30" at front & rear 1 piece
28230-207	28230-209		1000 mm 39.37"	
28230-210	28230-212	43U 1967 mm 77.44"	900 mm 35.43"	
28230-211	28230-213		1000 mm 39.37"	
28230-214	28230-216	47U 2145 mm 84.45"	900 mm 35.43"	
28230-215	28230-217		1000 mm 39.37"	

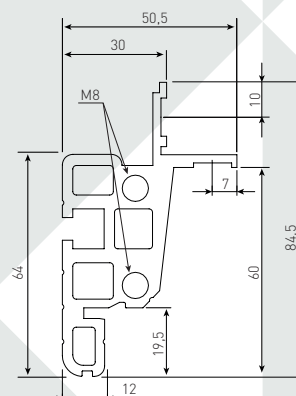


Schroff

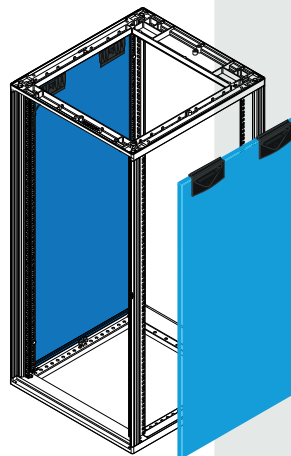
Item Number	Dimensions		Item Number	Dimensions		Description
Heavy-Duty	Height	Depth	Heavy-Duty	Height	Depth	
28230-057	12U 357 mm 14.06"	500 mm 19.69"	28230-171	34U 1567 mm 61.69"	500 mm 19.69"	Heavy-Duty Universal frame Static load carrying capacity 400 kg 882 lbs Frame stiffening level SL5 according to IEC 61587-1 2011 Aluminium extrusion, RAL7021 GND/earthing included Universal plane at front and 19" plane with 60mm recess at rear 1 piece As usual, frame can be rotated from 180° to get 19" on the front 19" panel/slide mounts can be added in order to ease the recessed installation of 19" components and/or partial height mounting
28230-058		600 mm 23.62"	28230-172		600 mm 23.62"	
28230-059		800 mm 31.50"	28230-173		800 mm 31.50"	
28230-107		900 mm 35.43"	28230-174		900 mm 35.43"	
28230-108		1000mm 39.37"	28230-175		1000mm 39.37"	
28230-109	16U 767 mm 30.20"	500 mm 19.69"	28230-176	38U 1745 mm 68.70"	500 mm 19.69"	
28230-110		600 mm 23.62"	28230-177		600 mm 23.62"	
28230-111		800 mm 31.50"	28230-178		800 mm 31.50"	
28230-112		900 mm 35.43"	28230-179		900 mm 35.43"	
28230-113		1000mm 39.37"	28230-180		1000mm 39.37"	
28230-114	20U 945 mm 37.20"	500 mm 19.69"	28230-181	43U 1967 mm 77.44"	500 mm 19.69"	
28230-115		600 mm 23.62"	28230-182		600 mm 23.62"	
28230-116		800 mm 31.50"	28230-183		800 mm 31.50"	
28230-117		900 mm 35.43"	28230-184		900 mm 35.43"	
28230-118		1000mm 39.37"	28230-185		1000mm 39.37"	
28230-119	25U 1167 mm 45.94"	500 mm 19.69"	28230-186	47U 2145 mm 84.45"	500 mm 19.69"	
28230-167		600 mm 23.62"	28230-187		600 mm 23.62"	
28230-168		800 mm 31.50"	28230-188		800 mm 31.50"	
28230-169		900 mm 35.43"	28230-052		900 mm 35.43"	
28230-170		1000mm 39.37"	28230-053		1000mm 39.37"	



Minimum front recess for 19" slide mounts = 85mm
 e.g.: Cabinet 800mm deep
 19" pitch = 800-85-60mm = 655mm



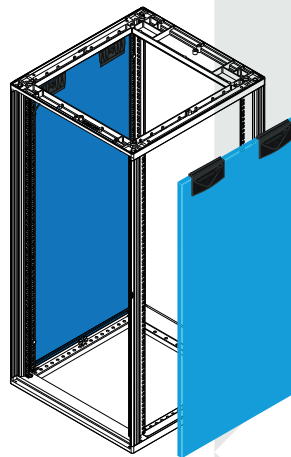
Item Number		Dimensions		Description
RAL7035	RAL7021	Height	Depth	Slim-Line Side panels Steel 1mm Quick release sliding handles (x2) Quater-turn fastener Including GND/Earthing 2 pieces Quater-turn screws can be replaced by locks as option
26230-113	25230-113	12U	900 mm 35.43"	
26230-114	25230-114		1000 mm 39.37"	
26230-115	25230-115	16U	900 mm 35.43"	
26230-116	25230-116		1000 mm 39.37"	
26230-117	25230-117	20U	900 mm 35.43"	
26230-118	25230-118		1000 mm 39.37"	
26230-119	25230-119	25U	900 mm 35.43"	
26230-130	25230-130		1000 mm 39.37"	
26230-131	25230-131	34U	900 mm 35.43"	
26230-132	25230-132		1000 mm 39.37"	
26230-133	25230-133	38U	900 mm 35.43"	
26230-134	25230-134		1000 mm 39.37"	
26230-135	25230-135	43U	900 mm 35.43"	
26230-136	25230-136		1000 mm 39.37"	
26230-137	25230-137	47U	900 mm 35.43"	
26230-138	25230-138		1000 mm 39.37"	



Side panel lock: 27230-115

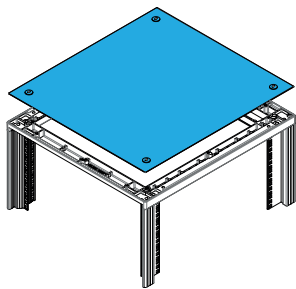
Can be ordered assembled

Item Number		Dimensions		Description
RAL7035	RAL7021	Height	Depth	Heavy-Duty Side panels Steel 1mm Quick release sliding handles (x2) Quater-turn fastener Including GND/Earthing 2 pieces Quater-turn screws can be replaced by locks as option
26230-067	25230-067	12U	900 mm 35.43"	
26230-068	25230-068		1000 mm 39.37"	
26230-069	25230-069	16U	900 mm 35.43"	
26230-080	25230-080		1000 mm 39.37"	
26230-103	25230-103	20U	900 mm 35.43"	
26230-104	25230-104		1000 mm 39.37"	
26230-105	25230-105	25U	900 mm 35.43"	
26230-106	25230-106		1000 mm 39.37"	
26230-107	25230-107	34U	900 mm 35.43"	
26230-108	25230-108		1000 mm 39.37"	
26230-109	25230-109	38U	900 mm 35.43"	
26230-110	25230-110		1000 mm 39.37"	
26230-111	25230-111	43U	900 mm 35.43"	
26230-112	25230-112		1000 mm 39.37"	
26230-040	25230-040	47U	900 mm 35.43"	
26230-041	25230-041		1000 mm 39.37"	



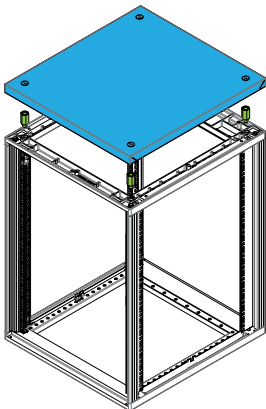
Side panel lock: 27230-115

Can be ordered assembled



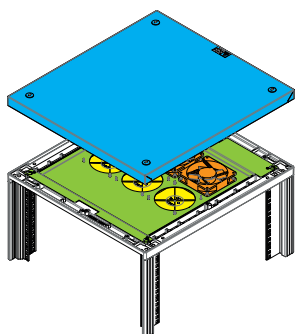
Item Number	Dimensions	Description
25230-043	900 mm 35.43"	Flush top cover Steel 1mm, RAL7021 Including GND/earthing 1 piece
25230-044	1000 mm 39.37"	

Can be ordered assembled



Item Number	Dimensions	Description
25230-045	900 mm 35.43"	Raised top cover Steel 1mm, RAL7021 Including GND/earthing Airgap 7mm 0.28" 1 piece
25230-046	1000 mm 39.37"	

Can be ordered assembled

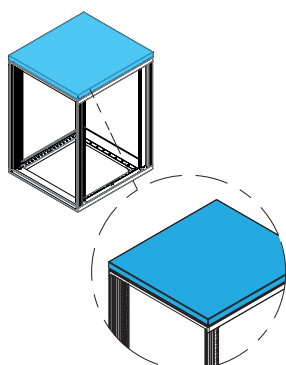


Item Number	Dimensions	Description
27230-094	900 mm 35.43"	Raised top cover with fantray Steel 1mm, RAL7021 Including GND/earthing and cabling 3 fans H25mm 230VAC 84...90m³/h 3 cover caps 0,5m power cable, with IEC C14 plug 1 piece
27230-095	1000 mm 39.37"	
27230-096	900 mm 35.43"	Raised top cover with fantray Steel 1mm, RAL7021 Including GND/earthing and cabling 3 fans H38mm 230VAC 162...172m³/h 3 cover caps 0,5m power cable, with IEC C14 plug 1 piece
27230-097	1000 mm 39.37"	

Can be ordered assembled

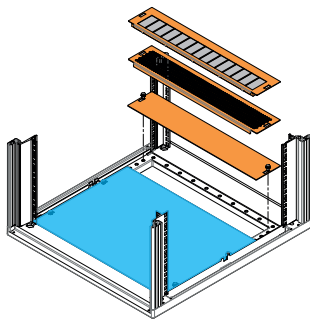


90m³/h for 1 fan at 2000rpm
172m³/h for 1 fan at 2900rpm



Item Number	Dimensions	Description
25230-141	900 mm 35.43"	High-end raised top cover Able to carry up to 50 kg 110 lbs 7mm 0.28" air gap No visible screws Fastened from inside 1 piece RAL7021 Earthing included Caution: not compatible with lifting eyes
25230-142	1000 mm 39.37"	

Can be ordered assembled

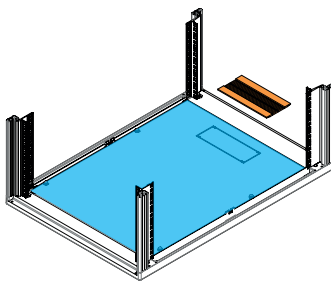


Item Number		Dimensions	Description
Old	New	Depth	
27230-091	27230-188	500 mm 19.69"	Base plate rear open Including GND/earthing Cable ducting in the rear area of cabinet Please order cover, filter or brush strips separately Steel 1.5mm RAL7021 1 piece
27230-092	27230-189	600 mm 23.62"	
27230-093	27230-190	800 mm 31.50"	
	27230-191	900 mm 35.43"	
	27230-192	1000 mm 39.37"	

Can be ordered assembled



Cover plate: 27230-114
 Perforated plate: 27230-254
 Filter: 27230-255
 Brush strips: 27230-079

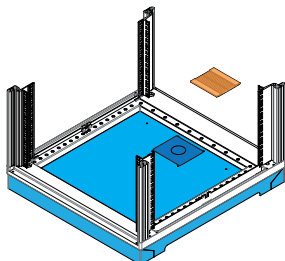


Item Number	Dimensions	Description
25230-149	500 mm 19.69"	Heavy load base plate Able to carry up to 50 kg 110 lbs Cut-out zone for cable entry 194,50x70,50 Please order brush strips separately 1 piece
25230-150	600 mm 23.62"	
25230-151	800 mm 31.50"	
25230-152	900 mm 35.43"	
25230-153	1000 mm 39.37"	

Can be ordered assembled



Brush strips: 27230-055

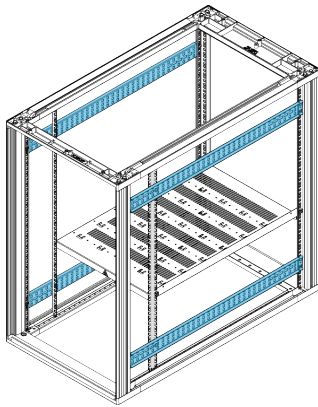


Item Number	Dimensions	Description
27230-070	500 mm 19.69"	Base plinth with cable ducting Steel 1,5mm, RAL7021 including GND/earthing Cable ducting 110x76mm Adjustable feet, adjustable height range 57...67mm Brush strips available as accessory 1 piece
27230-071	600 mm 23.62"	
27230-072	800 mm 31.50"	
27230-076	900 mm 35.43"	
27230-080	1000 mm 39.37"	

Can be ordered assembled



Brush strips: 27230-111



Item number		Dimensions	Description
Old	New	Depth	
27230-121	27230-167	500 mm 19.69"	Depth Member Steel 1,5mm, ALZn For mounting 19" pitch profiles From 900D and deeper cabinet server spacing possible (c=740mm) 2 pieces
27230-122	27230-168	600 mm 23.62"	
27230-123	27230-169	800 mm 31.50"	
27230-203	27230-170	900 mm 35.43"	
27230-204	27230-171	1000 mm 39.37"	

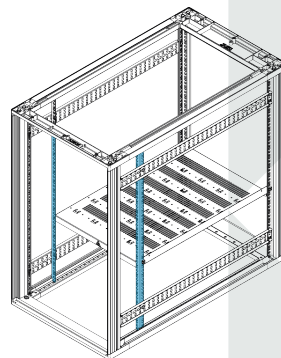
Can be ordered assembled



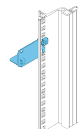
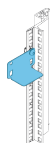
Avoid to assemble at the highest or the lowest position

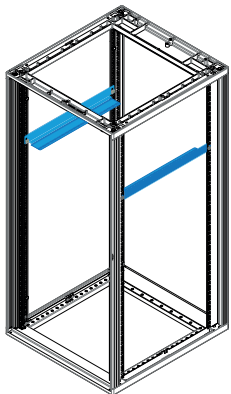
Item number		Dimensions		Description
Old	New	Height	Height	
27230-200	27230-172	6U	267 mm 10.51"	19" panel/slide mounts with universal perforation grid (EIA) For fitting to depth members (25mm grid) For recessed installation of 19" components Load-carrying capacity 400kg Slide rails can be fitted A partial-height 19" mounting is possible with short 19" panel/slide mounts Steel 2mm RAL7021 Assembly kit included 2 pieces
27230-201	27230-173	9U	401 mm 15.77"	
27230-202	27230-174	12U	534 mm 21.02"	
27230-203	27230-175	16U	712 mm 28.02"	
27230-204	27230-176	20U	890 mm 35.02"	
27230-205	27230-177	25U	1162 mm 45.73"	
27230-206	27230-178	34U	1512 mm 59.52"	
27230-207	27230-179	38U	1690 mm 66.52"	
27230-208	27230-180	43U	1912 mm 75.27"	
27230-209	27230-181	47U	2090 mm 82.27"	

Can be ordered assembled



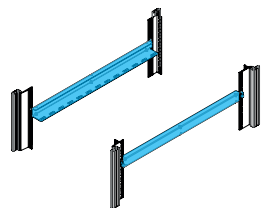
Item number		Dimensions		Description
Old	New	Quantity	HxWxD	
27230-125	27230-184	x2	44x36x75 mm	Short slide rails For mounting on the cabinet uprights or 19" panel/slide mounts Adjustable in 1U increments Static load-carrying capacity max.15kg per pair Assembly kit included Steel 1.5 ALZn 2 pieces
27230-126	27230-185	x10	44x36x75 mm	





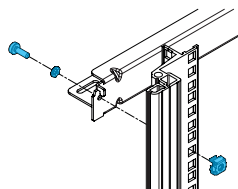
Item Number	Dimensions	19" pitch	Description
27230-102	500 mm 19.69"	407 / 380 mm	Slide rails Able to carry up to 25 kg 55lbs per pair AlZn Fixing kit (screwing from outside) included Earthing included 2 pieces
27230-103	600 mm 23.62"	507 / 480 mm	
27230-104	800 mm 31.50"	707 / 680 mm	
27230-105	900 mm 35.43"	807 / 780 mm	
27230-106	1000 mm 39.37"	907 / 880 mm	

Can be ordered assembled



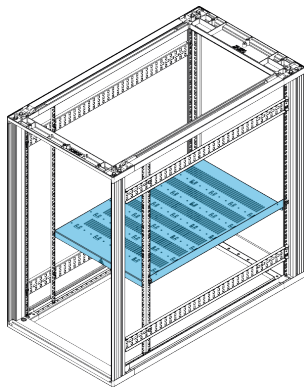
Item Number	Dimensions	19" pitch	Description
25230-013	500 mm 19.69"	407 / 380 mm SL / HD	Heavy load slide rails Able to carry up to 50 kg 110lbs per pair AlZn Fixing kit (screwing from outside) included Earthing included 2 pieces
25230-014	600 mm 23.62"	507 / 480 mm SL / HD	
25230-015	800 mm 31.50"	707 / 680 mm SL / HD	
25230-148	900D & deeper	740 mm	
25230-145	900 mm 35.43"	807 / 780 mm SL / HD	
25230-146	1000 mm 39.37"	907 / 880 mm SL / HD	

Can be ordered assembled



Item Number	Description
27230-056	Heavy load slide rails mounting kit Screwing from inside Ease the assembly when cabinets are mounted side-by-side 1 kit for 1 pair of slide rails 4 screws + 4 earthing cage nuts

Can be ordered assembled



Item Number	Dimensions	19" pitch	Description
27230-051	500 mm 19.69"	407 / 380 mm	Stationary shelf Steel 1,5mm, RAL7021 Mounting height 1U for fitting on the vertical cabinet uprights With perforations for airflow With hammer headperforation for fixing cable ties or velco-type tape Static load carrying capacity 75kg 1 piece
27230-052	600 mm 23.62"	507 / 480 mm	
27230-053	800 mm 31.50"	707 / 680 mm	
27230-165	900D & deeper	740 mm	
27230-088	900 mm 35.43"	807 / 780 mm	
27230-089	1000 mm 39.37"	907 / 880 mm	

Can be ordered assembled



Avoid collision when placing heavy component at the bottom, prefer heavy load base plate.

Shortened assembly possible by adding 19" slide mounts
Might also collide with depth member

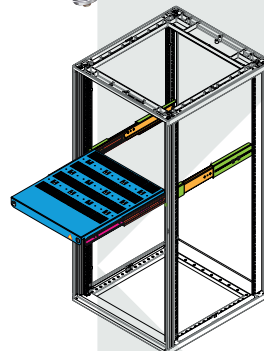
Full Depth	Item Number	Shortened Depth	Item Number	Dimensions	19" pitch	Description
	21130-357		21130-358	500 mm 19.69"	407 / 380 mm	Telescopic shelf Steel 1,5mm, RAL7021 Mounting height 2U for fitting on the vertical cabinet uprights With perforations for airflow With hammer headperforation for fixing cable ties or velco-type tape Static load carrying capacity when pulled out 70kg Telescopic rails included GND/Earthing and T-bar lock to order separately 1 piece
	21130-353		21130-352	600 mm 23.62"	507 / 480 mm	
	21130-355		21130-354	800 mm 31.50"	707 / 680 mm	
			27230-108	900D & deeper	740 mm	
			27230-108	900 mm 35.43"	807 / 780 mm	
			27230-109	1000 mm 39.37"	907 / 880 mm	



Can be ordered assembled

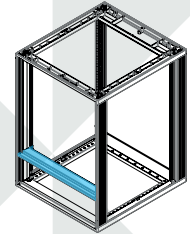


GND/Earthing: 21120-189
T-bar lock: 23130-092



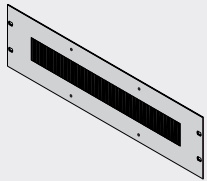
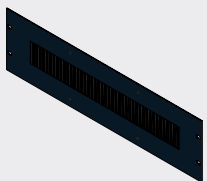
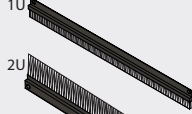
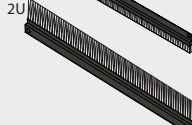
Schroff

Frame	Slimline		Heavy-Duty		Universal	
Location	Front	Rear	Front	Rear	Front	Rear
19" plane recess	33 mm	60 mm	60 mm	60 mm	None	60 mm
Door hinge bracket	27230-060	27230-061			27230-098	27230-061



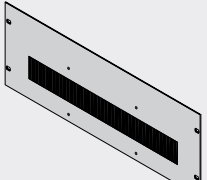
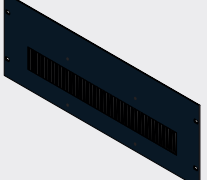
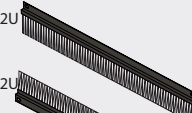
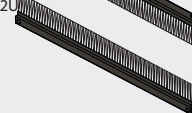
19" brackets 3U	Not needed			27230-098	Not needed
19" brackets 4U	Not needed			27230-098	Not needed

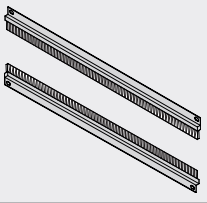


Color	RAL 7035	RAL 7021	Black
Cable ducting 3U			 
	20118-391	20118-796	27230-160
Description	Cable ducting frame 3U Steel 2.5 Black brush strip Without fixing kit 1 piece		Brush cable entry 3U (1U+2U) To assemble on 19" plane Nylon black Screw kit included 2 pieces



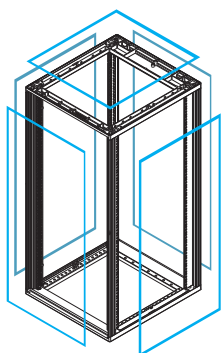
Cable ducting	
3U	4U
For cabinet height	
16U	25U
20U	34U
38U	43U
47U	

Cable ducting 4U			 
	20118-390	20118-797	27230-161
Description	Cable ducting frame 4U Steel 2.5 Black brush strip Without fixing kit 1 piece		Brush cable entry 4U (2U+2U) To assemble on 19" plane Nylon black Screw kit included 2 pieces

Color	Light grey	Black
Cable ducting 1U		
	60118-437	64230-096
Description	19" Cable ducting with brush strip Mounting height 1U (1U+1U) To assemble on 19" plane Nylon black brushes Without screwing kit 2 pieces	



Also compatible with other cabinets
19" assembly

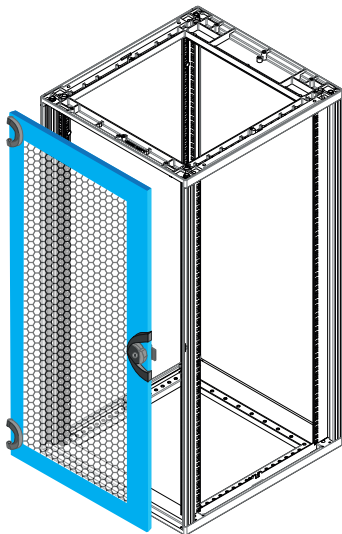


Item Number	Dimensions	Description
27230-107	From 6U to 20U (15 meters)	Gasketing kit for IP40 Raises ingress protection from IP20 to IP40 Gaskets are affixed onto the frame TPE, black Halogen free Using temperature -40°C to +120°C
27230-143	From 25U to 47U (25 meters)	

Can be ordered assembled

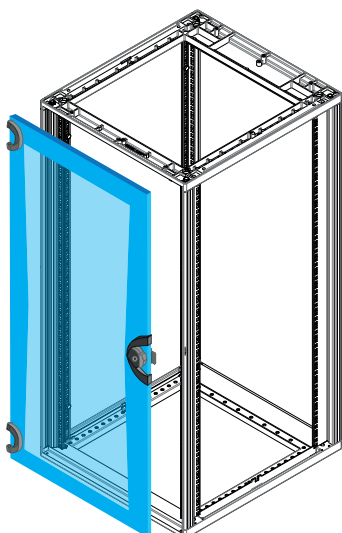
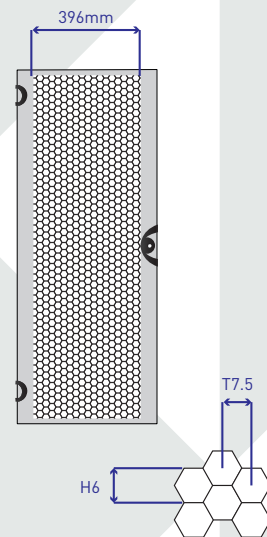


IP40 efficient with bended door
(not glazed ones)
Gasket kit can be used to reduce noise



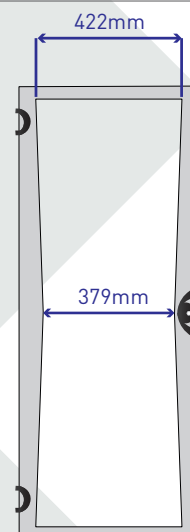
Item number		Dimensions	Description
RAL7021	RAL7035	Height	Perforated door Can be assembled at front and rear Air throughput 60% Hinges with 180° opening angle With 2233X locking (1 key) 1 piece RAL7021 or RAL7035 Earthing included Steel door, St 1.5 mm
25230-081	26230-081	6U 288 mm	
25230-082	26230-082	9U 422 mm	
25230-083	26230-083	12U 555 mm	
25230-084	26230-084	16U 733 mm	
25230-085	26230-085	20U 911 mm	
25230-086	26230-086	25U 1133 mm	
25230-091	26230-091	29U 1311 mm	
25230-087	26230-087	34U 1533 mm	
25230-088	26230-088	38U 1711 mm	
25230-089	26230-089	43U 1933 mm	
25230-090	26230-090	47U 2111 mm	

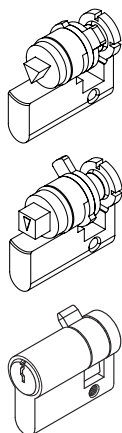
Can be ordered assembled



Item number		Dimensions	Description
RAL7021	RAL7035	Height	Glazed acrylic glass door Can be assembled at front and rear Plexiglas pane, 2mm, clear Hinges with 180° opening angle With 2233X locking (1 key) 1 piece RAL7021 or RAL7035 Earthing included Steel door, St 1.5 mm
25230-092	26230-092	6U 288 mm	
25230-093	26230-093	9U 422 mm	
25230-094	26230-094	12U 555 mm	
25230-095	26230-095	16U 733 mm	
25230-096	26230-096	20U 911 mm	
25230-097	26230-097	25U 1133 mm	
25230-102	26230-102	29U 1311 mm	
25230-098	26230-098	34U 1533 mm	
25230-099	26230-099	38U 1711 mm	
25230-100	26230-100	43U 1933 mm	
25230-101	26230-101	47U 2111 mm	

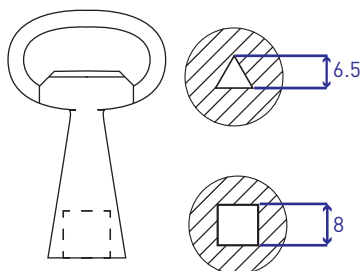
Can be ordered assembled





Item Number	Description
27230-062	Key lock system CNOMO Triangle profile cylinder Key not included
27230-063	Key lock system SQUARE 8 mm square profile cylinder Key not included
27230-064	Key lock system DIN DIN profile half cylinder 2 keys

Can be ordered assembled



Item Number	Description
60127-045	Key for CNOMO cylinder Key for 6.5 mm triangle profile 1 key
60114-365	Key for SQUARE cylinder Key for 8 mm square profile 1 key

NOVASTAR STANDARD FRAME

Slim-Line

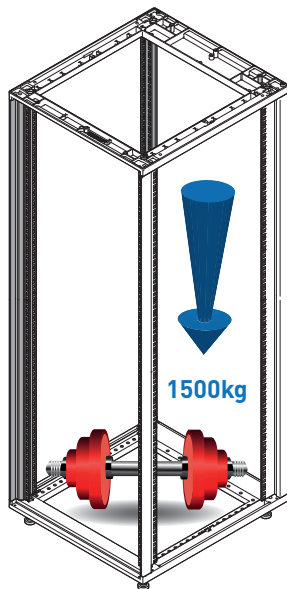
Able to carry a static load of 1500 kg | 3300 lbs with a standard frame on the 19 inches fixing

Able to handle a static load of 200 kg | 440 lbs with a standard frame (in accordance with IEC 61587-1), level SL4

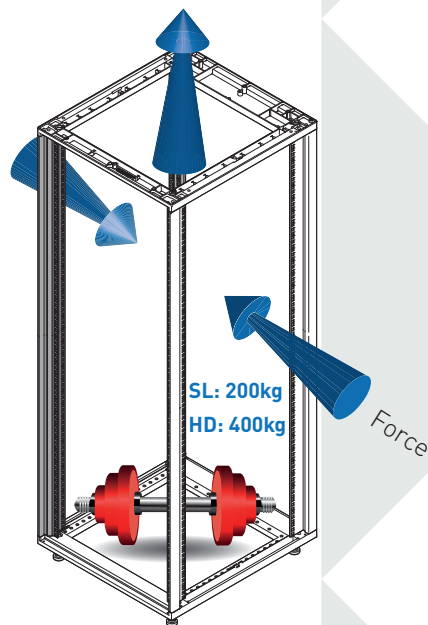
Heavy-Duty

Able to carry a static load of 1500 kg | 3300 lbs with a standard frame on the 19 inches fixing

Able to handle a static load of 400 kg | 880 lbs with a standard frame (in accordance with IEC 61587-1), level SL5



Vertical static load



Static load according to IEC

FOR FURTHER INFORMATION PLEASE VISIT: www.schroff.pentair.com



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