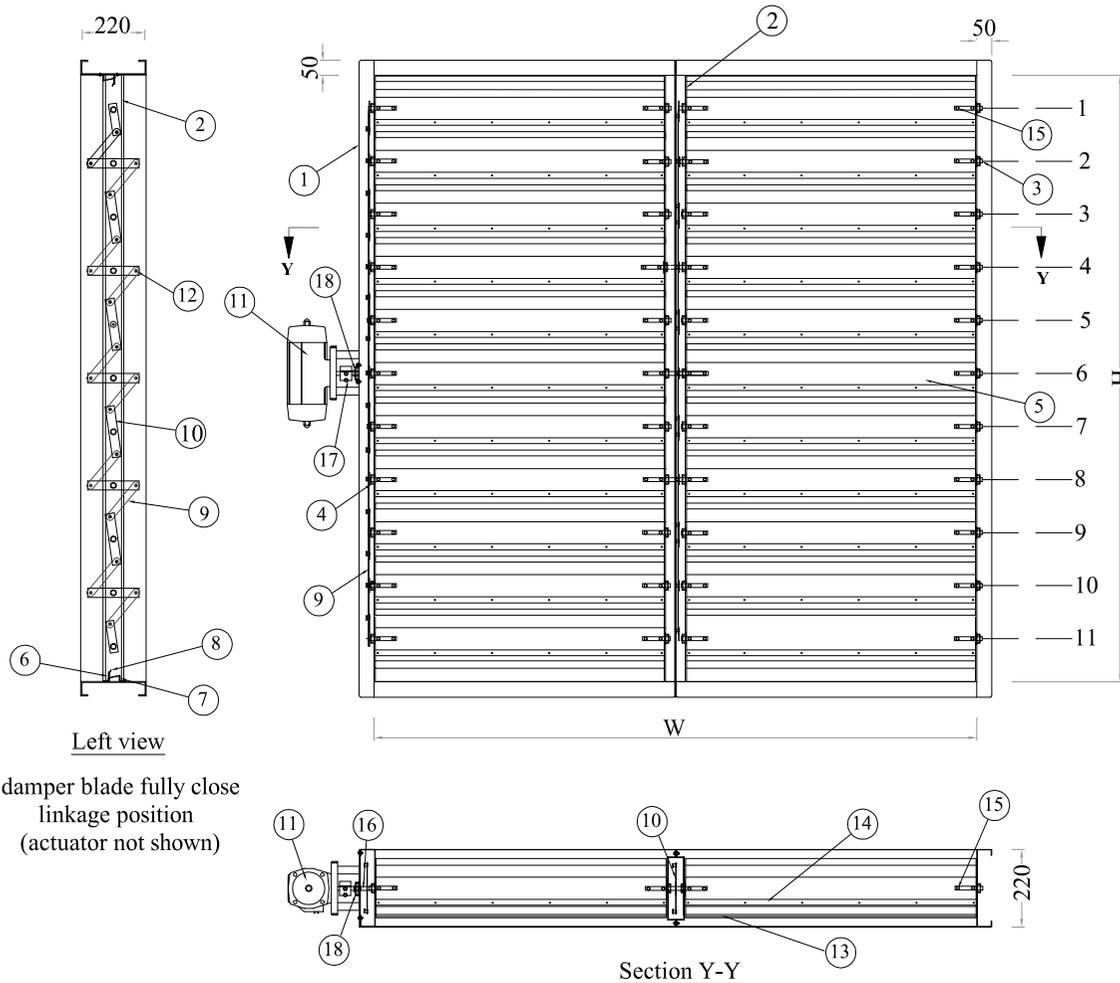


Submittal



No.	Descriptions	Materials
1	Damper Frame	Galvanised Steel 2.5 thk
2	Jamb Seal	Stainless Steel 0.15t/ SUS 304
3	Blade Axle	Stainless Steel 20mm/ SUS304
4	Bush	Bronze Bush
5	Blade	Galvanised Steel 2.0 thk
6	Blade Stop	Galvanised Steel 2.0 thk
7	Blade Stopper Base	Galvanised Steel 2.0 thk
8	Blade Stop Seal	Stainless Steel 0.15mm thk
9	Blade Linkage Bar	Galvanised Steel 2.5 thk, 2 layers
10	Blade Linkage Bracket	Zinc Plated Steel 4.5 thk
11	Actuator	Spring Return Pneumatic operated Actuator
12	Blade Linkage Pin	Stainless Steel 9.5mm/ SUS304
13	Blade Edge Seal	Stainless Steel Seal 0.15mm thk
14	Blade Edge Seal Holding Plate	Galvanised Steel 1.5 thk
15	Blade/ Axle Fasteners	Stainless Steel/ SUS304 M8 Bolt & Nut
16	Drive Axle	Stainless Steel/ SUS304, 20mm
17	Manual Override	Cadmium Plated Steel
18	Self-alignment Ball Bearing	Cast Iron housing with high temp grease

Note:

1. Maximum size per module: 2000 x 2000. For larger size, damper will be supplied in multiple module.
2. Damper with actuator is rated for 4 hours fire rating to BS476 Part 20.
3. Damper with actuator has been tested to UL555S Class I leakage and temperature rated at 250°C for 2 hours.
4. Standard Damper depth is 220mm. Standard Flange size is 50mm.
5. Manual override may be dis-coupled to allow manual operation of the damper using wrench.
6. Actuator may also be installed in linkage drive assembly.

In the interest of product improvement, we reserved the right to make changes without notice.

All dimensions are in mm

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Title :
Tunnel Ventilation Damper with Pneumatic Actuator (Model TFSD 460P)

Dwn. By:	Edward Chan	Date:	10/07/2019	Scale :
Chk. By:	Boon Shing Shing	Dwg. No.:	DDGEP090	N.T.S
App. By:	Wong Wong			

