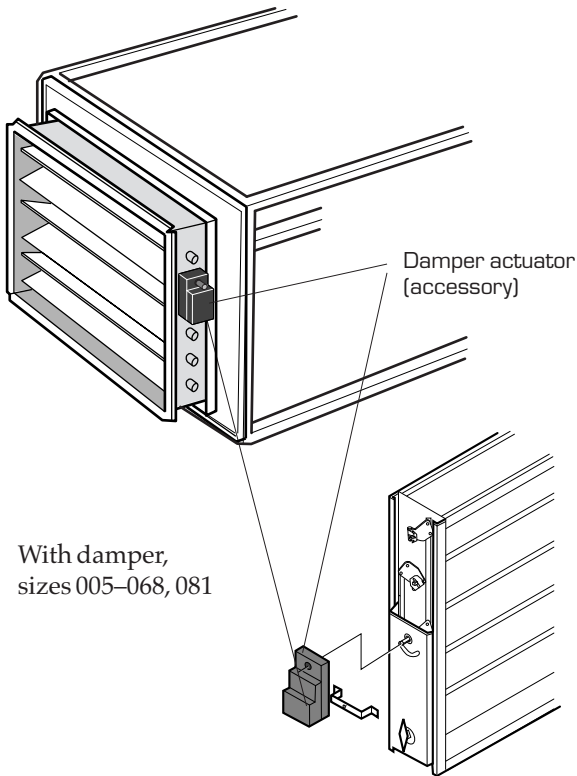


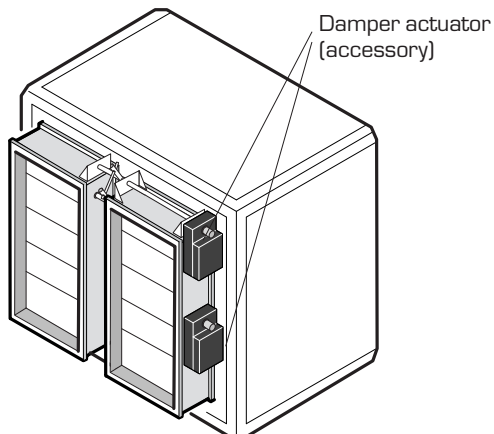
Damper

EQAZ-12 Damper, STAZ-30 damper actuator and EQAZ-13 lever actuator



With damper, sizes 005–068, 081


With damper, sizes 072, 079, 090, 108, 135



Damper actuation

The damper can be actuated by means of the STAZ-30, damper actuator (accessory) or the EQAZ-13 lever actuator (accessory) as shown.

Commissioning Insulation



Caution!
When starting the fan, make sure that the intake damper is open. The maximum permissible pressure differential when the damper is closed is 1000 Pa. Maximum torque loading on the damper: 30 Nm.

External dampers are supplied with a cover over the lever actuator system. This permits external insulation of the damper.



Damper

Torque

The table below specifies the necessary torque.

EQAZ-12-bbb-ccc-3-e-f-gg-2-i-j

	Number of blade	Torque																													
2600	13	13	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	28	29	30	31	32	33	34						
2500	13	13	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	28	29	30	31	32	33	34						
2400	12	12	13	14	15	16	16	17	18	19	20	21	22	22	23	24	25	26	27	28	28	29	30	31	32						
2300	12	12	13	14	15	16	16	17	18	19	20	21	22	22	23	24	25	26	27	28	28	29	30	31	32						
2200	11	12	12	13	14	15	16	16	17	18	19	19	20	21	22	23	23	24	25	26	27	27	28	29	30						
2100	11	12	12	13	14	15	16	16	17	18	19	19	20	21	22	23	23	24	25	26	27	27	28	29	30						
2000	10	11	12	12	13	14	15	15	16	17	18	18	19	20	20	21	22	23	23	24	25	25	26	27	28						
1900	10	11	12	12	13	14	15	15	16	17	18	18	19	20	20	21	22	23	23	24	25	25	26	27	28						
1800	9	11	11	12	12	13	14	14	15	16	16	17	18	18	19	20	20	21	22	22	23	23	24	25	25						
1700	9	11	11	12	12	13	14	14	15	16	16	17	18	18	19	20	20	21	22	22	23	23	24	25	25						
1600	8	10	11	11	12	12	13	13	14	15	15	16	16	17	18	18	19	19	20	20	21	22	22	23	23						
1500	8	10	11	11	12	12	13	13	14	15	15	16	16	17	18	18	19	19	20	20	21	22	22	23	23						
1400	7	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21						
1300	7	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21						
1200	6	9	9	10	10	11	11	12	12	12	13	13	14	14	15	15	16	16	16	17	17	18	18	19	19						
1100	6	9	9	10	10	11	11	12	12	12	13	13	14	14	15	15	16	16	16	17	17	18	18	19	19						
1000	5	9	9	9	10	10	10	11	11	11	12	12	12	13	13	14	14	14	15	15	15	16	16	16	17						
900	5	9	9	9	10	10	10	11	11	11	12	12	12	13	13	14	14	14	15	15	15	16	16	16	17						
800	4	8	8	9	9	9	9	10	10	10	11	11	11	11	12	12	12	13	13	13	13	13	13	14	14	14	15				
700	4	8	8	9	9	9	9	10	10	10	11	11	11	11	12	12	12	13	13	13	13	13	13	14	14	14	15				
600	3	8	8	8	8	8	9	9	9	9	9	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12
500	3	8	8	8	8	8	9	9	9	9	9	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12
400	2	7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10
300	2	7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10
200	1	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
→ Damper width		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500						

Damper height ↑

Torque Max 8 Nm Max 15 Nm Max 16 Nm Max 24 Nm Over 24 Nm



Damper

Torque

The table below specifies the necessary torque.

EQAZ-1 2-bbb-ccc-4-e-f-gg-2-i-j

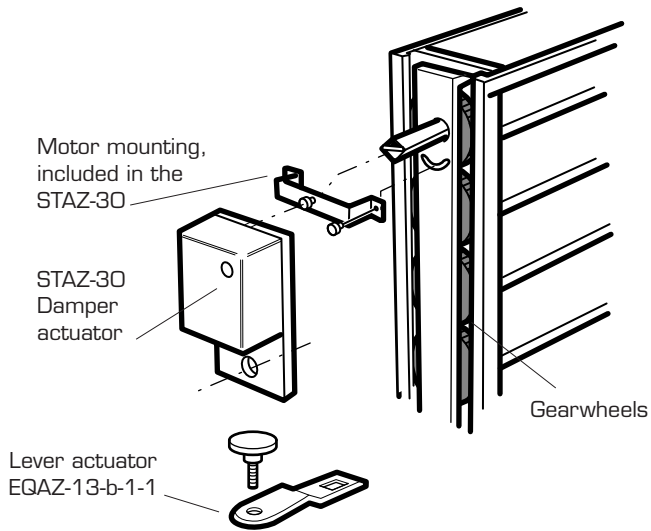
	Number of blade	Torque																							
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
2600	13	15	16	17	18	20	21	22	23	24	25	26	27	29	30	31	32	33	34	35	36	38	39	40	41
2500	13	15	16	17	18	20	21	22	23	24	25	26	27	29	30	31	32	33	34	35	36	38	39	40	41
2400	12	14	15	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
2300	12	14	15	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
2200	11	14	15	16	17	18	19	20	21	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
2100	11	14	15	16	17	18	19	20	21	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
2000	10	13	14	15	16	17	18	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	31	32	33
1900	10	13	14	15	16	17	18	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	31	32	33
1800	9	13	13	14	15	16	17	17	18	19	20	20	21	22	23	24	24	25	26	27	27	28	29	30	31
1700	9	13	13	14	15	16	17	17	18	19	20	20	21	22	23	24	24	25	26	27	27	28	29	30	31
1600	8	12	13	13	14	15	15	16	17	18	18	19	20	20	21	22	22	23	24	24	25	26	27	27	28
1500	8	12	13	13	14	15	15	16	17	18	18	19	20	20	21	22	22	23	24	24	25	26	27	27	28
1400	7	11	12	13	13	14	14	15	16	16	17	17	18	19	19	20	21	21	22	22	23	24	24	25	25
1300	7	11	12	13	13	14	14	15	16	16	17	17	18	19	19	20	21	21	22	22	23	24	24	25	25
1200	6	11	11	12	12	13	13	14	14	15	15	16	17	17	18	18	19	19	20	20	21	21	22	22	23
1100	6	11	11	12	12	13	13	14	14	15	15	16	17	17	18	18	19	19	20	20	21	21	22	22	23
1000	5	10	11	11	12	12	12	13	13	14	14	15	15	15	16	16	17	17	18	18	18	19	19	20	20
900	5	10	11	11	12	12	12	13	13	14	14	15	15	15	16	16	17	17	18	18	18	19	19	20	20
800	4	10	10	10	11	11	11	12	12	12	13	13	13	14	14	14	15	15	15	16	16	17	17	17	18
700	4	10	10	10	11	11	11	12	12	12	13	13	13	14	14	14	15	15	15	16	16	17	17	17	18
600	3	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15
500	3	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15
400	2	8	9	9	9	9	9	9	10	10	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12
300	2	8	9	9	9	9	9	9	10	10	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12
200	1	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10

Damper height ↑

Torque Max 8 Nm Max 15 Nm Max 16 Nm Max 24 Nm Over 24 Nm

Damper actuator


Unit size 005-036



Damper actuator

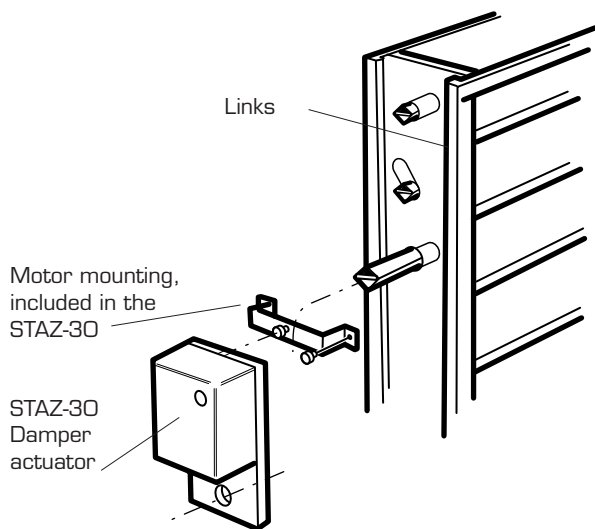
The damper can be controlled by means of the EQAZ-13 lever actuator (accessory) or STAZ-30 damper actuator (accessory).

Starting the unit



Important!
Make sure that the intake damper is open before the fan is started. The maximum permissible pressure differential across a closed damper is 1000 Pa.

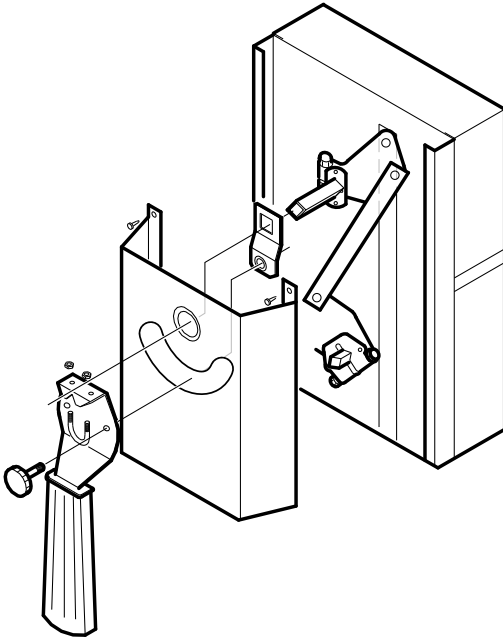
Unit size 041-050



Lever actuator

EQAZ-13

Damper, tightness class EU3 (T4)



Damper, tightness class EU3 (T4)

