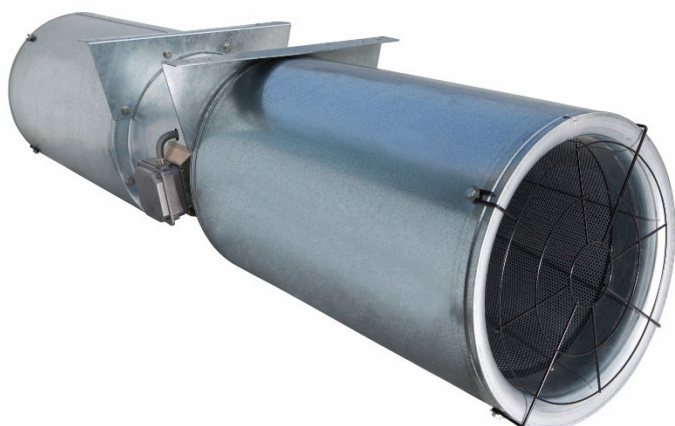




S&P certifies that the TJHU and TJHT shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program



Axial jet fans to induce air movement in enclosed car parking, tunnels and large spaces. Suitable for ventilation and one off emergency smoke operation at F400 or F300. TJHT series: reversible. TJHU series: unidirectional.

Description

Diameters from:
TJHT series: 315 to 630mm, fully reversible.
TJHU series: 315 to 400mm, unidirectional.
Impeller is cast aluminum alloy in accordance with EN 1706, and balanced in accordance with ISO 14694: G 6.3.
Fan duct and 2 mounting feet are steel in accordance with EN 10130-99, and hot dip galvanized in accordance with EN 1461: 1999. Fan external electrical terminal box. Two circular sound attenuators in galvanized sheet steel, with flared inlet and acoustic media.
Supplied with inlet and outlet steel guard. Impeller with 6 (TJHT) or 7 (TJHU) blades. Fan approved in accordance EN12101-3. For transportation, size up to 400 is supplied complete. Diameter from 450 to 630 can be supplied in 3 pieces.

Motors

TJHT serie: IEC, from 80 to 160, 3 phase 380-415V-50Hz, IP55, Class H, F400-120 and F300-120.
TJHU serie: IEC, from 80 to 90, 3 phase 380-415V-50Hz, IP55, Class H, F400-120 and F300-120. Class F at F200-120. Available in 60Hz
Two speed 2/4 pole Dalhander winding. Ambient temperature: -20°C to +40°C. Working temperature from -20°C to +40°C.

On request

Single speed 2 pole motor.
Inlet guard and steel discharge deflector for unidirectional airflow.
Inlet and outlet steel discharge deflector for reversible airflow.
Factory fitted IP65 isolator in place of electrical terminal box. Isolator also available as an accessory for use with standard terminal box fan.
External painting to RAL colour.

Specific applications



Officially approved to EN12101-3. Certificate n° 0370-CPD-6239 0370-CPD-1481



Officially approved to EN12101-3. Certificate n° 0370-CPD-6239 0370-CPD-1481



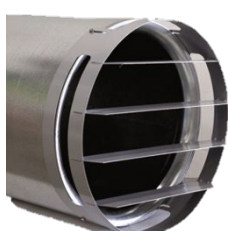
Car parks



Tunnels



Two protection guards fitted as standard.



Optional deflector on outlet for uni direction, or inlet and outlet for reversible.



External terminal box for ease of connection.



Optional isolator Electrical isolator fitted to fan for security or as an accessory

REFERENCE

T	J	H	U	/	2/4	-	3	1	5	B	C/I	0,8/0,2	F400	400V	50Hz
1					2		3			4	5	6	7	8	9

- 1 - Series: TJHT reversible, TJHU unidirection, for emergency smoke operation and ventilation.
- 2 - Motor speed (poles).
- 3 - Nominal diameter.
- 4 - TJHU: B form only (air through impeller > motor).
- 5 - C = Terminal box (standard). I = Isolator (optional).
- 6 - Nominal power in kW.
- 7 - Temperature class.
- 8 - Nominal electrical supply.
- 9 - Frequency (Hz).

TECHNICAL CHARACTERISTICS

Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Thrust ¹ (N)	Airflow ¹ (m³/h)	AMCA certified values ²						Sound pressure level ⁶ (LpA)	Weight (kg)
			Speed (rpm)	Thrust (N)	Airflow (m³/h)	Motor power ³ (kW)	Input motor power (kW)	Sound power level ⁴ (LwA)		
								Form B ⁵		

TJHT REVERSIBLE - 1 speed 2 POLE 50Hz

TJHT/2-315-C	23	4400	2916	19	4007	0,75	0,7	78	61	57
TJHT/2-355-C	37	6400	2901	33	5926	1,1	1,2	82	65	76
TJHT/2-400-C	62	9200	2892	56	8744	1,5	2,2	87	70	89
TJHT/2-450-C	81	11800	2858	74	11282	2,2	3,1	87	70	133
TJHT/2-500-C	137	17100	2897	127	16376	4	5,6	94	77	165
TJHT/2-560-C	221	24300	2927	207	23454	7,5	10,7	98	81	220
TJHT/2-630-C	318	32800	2953	298	31655	15	18,3	103	86	290

TJHT REVERSIBLE - 2 speed 2/4 POLE 50Hz

TJHT/2/4-315-C	23 / 6	4400 / 2200	2916 / 1471	19 / 5	4007 / 1951	0,8 / 0,2	0,7 / 0,1	78 / 64	61 / 47	57
TJHT/2/4-355-C	37 / 9	6400 / 3200	2901 / 1466	33 / 9	5926 / 3013	1,1 / 0,25	1,2 / 0,2	82 / 66	65 / 49	76
TJHT/2/4-400-C	62 / 16	9200 / 4600	2892 / 1468	56 / 14	8744 / 4291	1,5 / 0,37	2,2 / 0,3	87 / 72	70 / 55	89
TJHT/2/4-450-C	81 / 20	11800 / 5900	2858 / 1458	74 / 18	11282 / 5623	2,2 / 0,5	3,1 / 0,5	87 / 75	70 / 58	134
TJHT/2/4-500-C	137 / 34	17100 / 8550	2897 / 1474	127 / 32	16376 / 8258	4,4 / 1,1	5,6 / 0,8	94 / 79	77 / 62	166
TJHT/2/4-560-C	221 / 55	24300 / 12125	2927 / 1481	207 / 52	23454 / 11808	8 / 2	10,7 / 1,4	98 / 79	81 / 62	223
TJHT/2/4-630-C	318 / 79	32800 / 16400	2953 / 1490	298 / 76	31655 / 15952	16 / 4	18,3 / 2,5	103 / 85	88 / 68	311

TJHU UNIDIRECTIONAL - 1 speed 2 POLE 50Hz

TJHU/2-315-BC	25	4600	2894	23	4374	0,8	0,8	79	62	56
TJHU/2-355-BC	42	6700	2876	39	6415	1,1	1,3	83	66	75
TJHU/2-400-BC	64	9400	2881	59	8957	1,5	2,3	86	69	88

TJHU UNIDIRECTIONAL - 2 speed 2/4 POLE 50Hz

TJHU/2/4-315-BC	25 / 6	4600 / 2300	2894 / 1464	23 / 5	4374 / 2102	0,8 / 0,2	0,8 / 0,2	79 / 62	62 / 45	56
TJHU/2/4-355-BC	42 / 11	6700 / 3350	2876 / 1462	39 / 9	6415 / 3146	1,1 / 0,25	1,3 / 0,2	83 / 65	66 / 48	75
TJHU/2/4-400-BC	64 / 16	9400 / 4700	2881 / 1466	59 / 15	8978 / 4565	1,5 / 0,37	2,3 / 0,3	86 / 73	69 / 56	88

TJHU UNIDIRECTIONAL - 2 speed 2/4 POLE 60Hz

TJHU/2/4-315-BC	25 / 6	4600 / 2300	3428 / 1747	24 / 6	4442 / 2228	0,8 / 0,2	0,9 / 0,2	81 / 64	64 / 47	56
TJHU/2/4-355-BC	43 / 11	6700 / 3350	3435 / 1746	38 / 10	6332 / 3215	1,1 / 0,25	1,3 / 0,2	84 / 67	67 / 50	75
TJHU/2/4-400-BC	65 / 16	9400 / 4700	3457 / 1753	59 / 16	8957 / 4637	2,2 / 0,5	2,5 / 0,4	89 / 73	72 / 56	88
TJHU/2/4-400-BC	89 / 22	11000 / 5500	3470 / 1735	82 / 21	10030 / 5015	3,1 / 0,8	3,7 / 0,9	94 / 78	77 / 61	88

¹ Complementary data of thrust values obtained from S&P laboratory according to ISO 13350:2015. Performance ratings do not include the effects of inlet and outlet guards. This data is not licensed by AMCA.

² The AMCA certified rating seal applies to airflow rate at free delivery only. Speed (rpm) shown is nominal. Performance is based on actual speed or test. Performance ratings include the effects of appurtenances on the inlet and outlet. Performance ratings include the effects of the inlet and outlet guards.

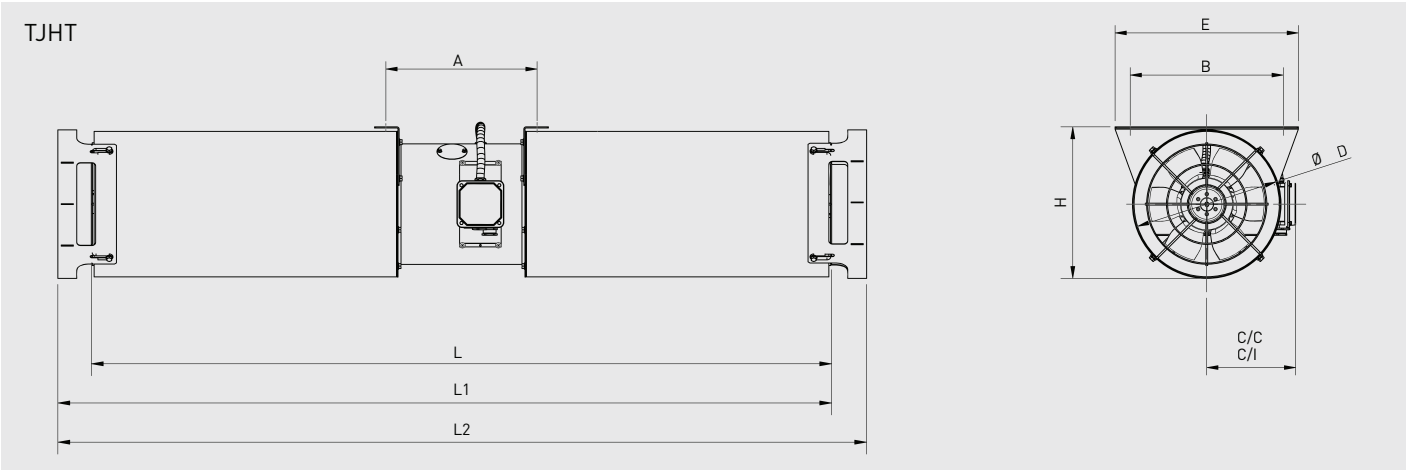
³ May depend on motor used.

⁴ The A-weighted sound power ratings shown have been calculated per AMCA Standard 301. Values shown are for total LwA sound power levels for installation type A: free inlet, free outlet.

⁵ TJHT series: Form A air over motor > impeller, Form B air through impeller > motor. TJHU series: Form B only.

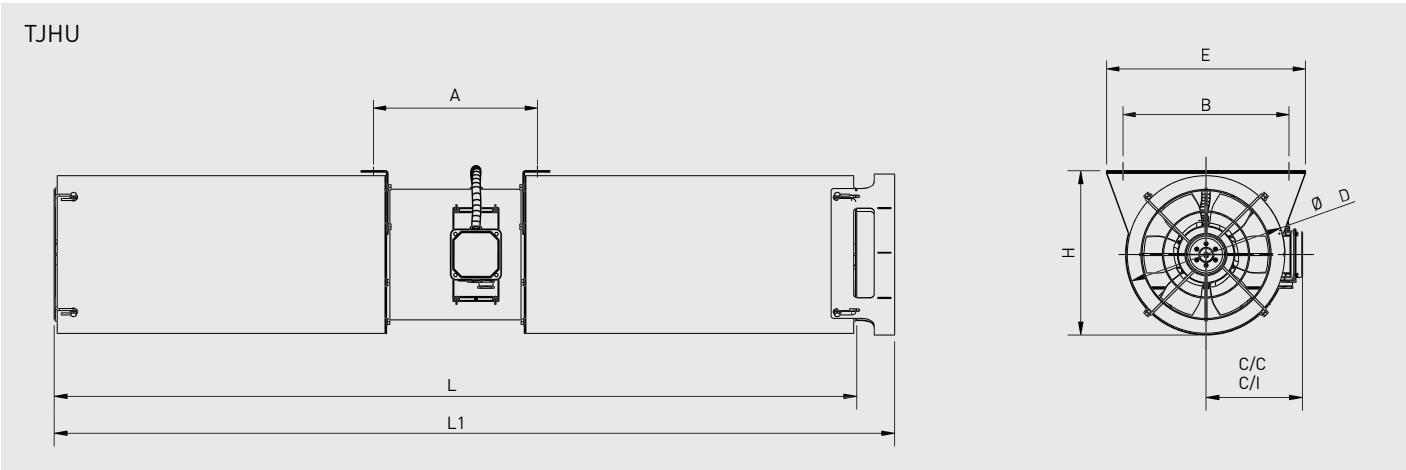
⁶ LpA sound pressure levels at 3 m, hemispherical propagation, in free field conditions, are not licensed by AMCA International.

DIMENSIONS (mm)



L: standard with guards, no deflector. L1: for unidirection with 1 deflector. L2: for reversible with 2 deflectors. C/C: version with terminal box (standard). C/I: version with isolator (optional).

Model	A	B	C/C	C/I	D	E	H	L	L1	L2
315	310	405	236	279	385	485	397	1754	1810	1967
355	310	445	259	302	425	525	437	1754	1810	1967
400	310	506	283	326	486	586	498	1754	1810	1967
450	539	556	313,5	362,5	536	636	548	2499	2055	2712
500	549	620	343,5	392,5	600	700	612	2499	2055	2712
560	669	680	376	425	660	760	672	3019	3072	3232
630	769	750	422	480	730	830	742	3119	3175	3332



L: standard with guards, no deflector. L1: for unidirection with 1 deflector. C/C: version with terminal box (standard). C/I: version with isolator (optional).

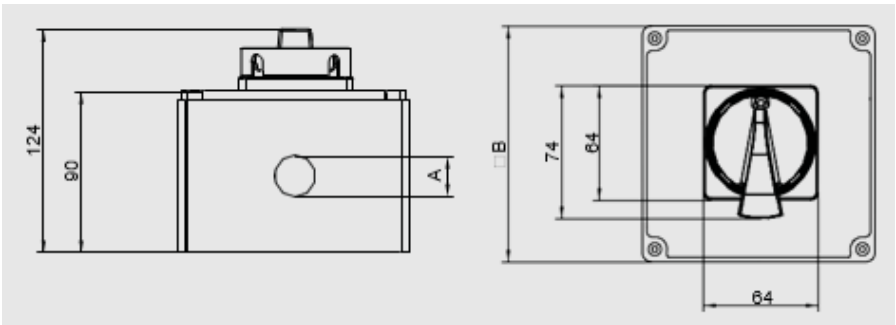
Model	A	B	C/C	C/I	D	E	H	L	L1
315	310	405	236	279	385	485	397	1754	1810
355	310	445	259	302	425	525	437	1754	1810
400	310	506	283	326	486	586	498	1754	1810



ACCESSORIES



INT-25/6P-F400
INT-40/6P-F400
Isolator ON / OFF, approved
at F400-120.
Aluminium covering.
Maximum ampere:
25A (model INT-25/6P-F400)
40A (model INT-40/6P-F400)
For use with motors 3 phase
380 - 420V.
Frequency: 50 - 60Hz.
IP65.



Model	A	B
INT-25/6P-F400	M25	130
INT-40/6P-F400	M32	160