



S&P certifies that the IFHT 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



Centrifugal jet fans, to induce air movement in enclosed car parks. Models for ventilation and emergency smoke operation at F400 or F300.

Description

Models: 50N, 75N and 100N.
Centrifugal backward curved impeller in galvanized steel and balanced in accordance with ISO 1940-1, G6.3.
Fan casing in galvanized steel with 2 mounting feet.
Fan external electrical terminal box.
Supplied with inlet steel guard.
Fan approved in accordance EN12101-3 at F400-120 and F300-120.

Motors

IEC, from 80 to 90, three phase.
380-415/50Hz, IP55, Class H, F400-120 and F300-120.
2 speeds 4/8 pole, connection type Dahlander.
Working temperature from -20°C to +40°C.

On request

IP65 isolator in place of electrical terminal box, factory fitted or as an accessory.
External painting to RAL colour.

Specific applications



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



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Car parks



Inlet guard

Air protection guard to mount at the inlet side.



Low profile

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, IP65, F400 factory fitted or as an accessory

REFERENCE

I	F	H	T	/	4/8	-	50N	C/I	1,21/0,2	F400	400V	50Hz
1					2		3	4	5	6	7	8

- 1 - IFHT Serie.
- 2 - Poles
- 3 - Thrust.
- 4 - C = terminal box (standard). I = On/off electrical isolation switch (optional).
- 5 - Motor power in kW.
- 6 - Temperature class.
- 7 - Nominal electrical supply.
- 8 - Frequency (Hz).

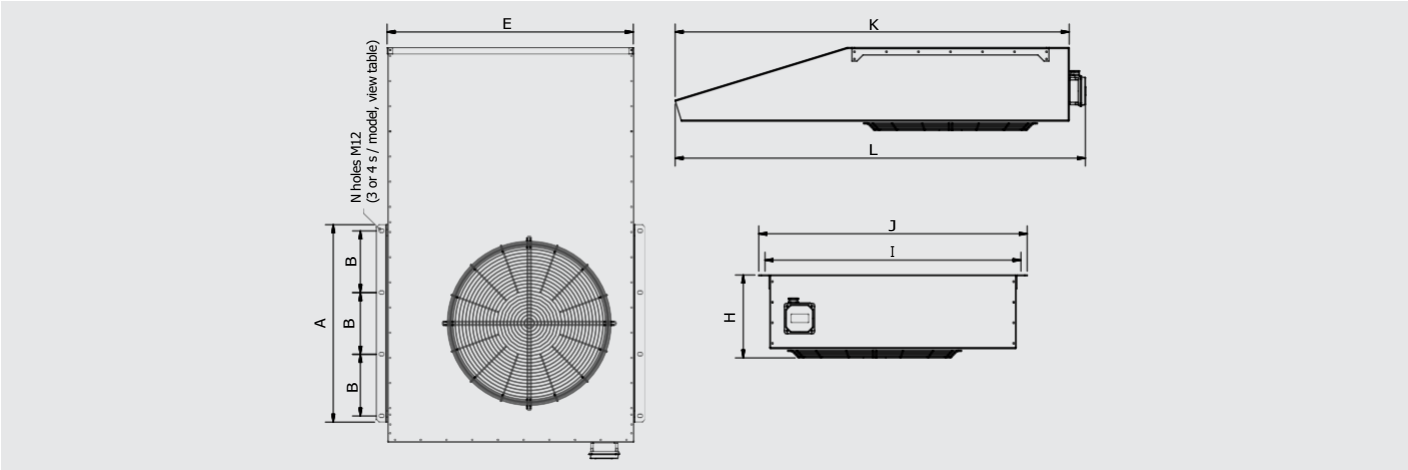
TECHNICAL CHARACTERISTICS

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	AMCA certified values ¹						Sound pressure level ⁴ (LpA)	Weight (kg)
	Speed (rpm)	Thrust (N)	Airflow (m3/h)	Motor power ² (kW)	Input motor power (kW)	Sound power level ³ (LwA)		
2 speed 4/8 POLE 50Hz								
IFHT/4/8-50N-C	1395 / 722	41 / 11	5108 / 2621	1,21 / 0,20	1,65 / 0,3	91 / 76	74 / 59	76
IFHT/4/8-75N-C	1446 / 734	73 / 18	8125 / 4025	2,3 / 0,37	2,74 / 0,5	93 / 78	76 / 61	120
IFHT/4/8-100N-C	1421 / 728	86 / 23	8928 / 4576	2,3 / 0,37	3,55 / 0,6	95 / 79	78 / 62	120
2 speed 4/8 POLE 60Hz								
IFHT/4/8-50N-C	1703 / 852	46 / 12	5761 / 2881	1,5 / 0,21	2,5 / 0,4	94 / 79	77 / 62	76
IFHT/4/8-75N-C	1750 / 875	66 / 17	7764 / 3882	2,5 / 0,45	4,1 / 0,7	96 / 81	79 / 64	120
IFHT/4/8-100N-C	1710 / 855	84 / 21	8672 / 4336	2,5 / 0,45	5,1 / 0,8	97 / 81	80 / 64	120

¹ 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. Performance ratings include the effects of the inlet guards.
² May depend on motor used.
³ 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.
⁴ LpA sound pressure levels at 3 m, hemispherical propagation, in free field conditions, are not licensed by AMCA International.

DIMENSIONS (mm)

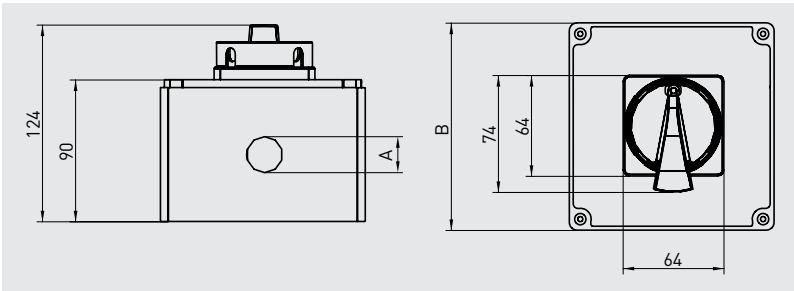


Model	A	B	E	H	I	J	K	L	N
50	600	275	800	272	844	890	1232	1298	3
75	800	250	1000	337	1044	1090	1600	1666	4
100	800	250	1000	337	1044	1090	1600	1666	4

ACCESSORIES



INT-IPM 25/6P-F400
INT-IPM 40/6P-F400
ON/OFF electrical isolation switch
working at F400/120.
Aluminium covering.
Maximum permitted current:
25A (model INT-IPM 25/6P-F400)
40A (model INT-IPM 40/6P-F400)
To be applied in motors 3x380V /
3x440V.
Frequency: 50 - 60Hz.



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