

IMPEXRON GMBH\RVR201903290020 335530

1 - JET PIROS 2/4-355T 40-8

MODEL JET PIROS 2/4-355T 40-8



Impulse fan

Long cased axial in-line fan with attenuators. Constructed with aluminium impellers fitted with Multiflow Novovent System (M.N.S.) that allows multiple pitch angle to achieve better performance. JET PIROS (F400) serie is constructed under a tough casing with a adjustable bench that allows a wide range of motors to be installed. Impulse axial fan certified under EN-12101-3 for security exhaust applications.



CHARACTERISTICS

- Fan certified under EN 12101-3 inside risk area with classification, resistance to fire F400(120'), file number 0370-CPR-1553.

IMPELLER

- Aluminium impellers, fitted with Multiflow Novovent System (M.N.S.).
- Ballancing quality grade Q2.5.
- Standard Airflow: Motor to impeller.

CASING

- Long casing size.
- Galvanized metal sheet frame. With inspection door on long cased units.
- 50mm thick and minimum lenght of 800mm silencer made with 70kg/m3 density rockwool.
- Protection guard for inlet and deflector in the outlet.

MOTOR

- Three phase motor.
- TEFC construction motor.
- IP55 protection.
- Electrical isolation class H.
- IE2 or IE3 efficiency.
- Integrated PTC on sizes above IEC160.
- Certified under EN-12101-3.
- Working services S1 (continous use) and S2 (emergency use).

OPTIONS:

(to be added to description if requiered)

i.e. JET xxxxxxxxxxx Q1 CM I304

IMPELLER

- Airflow: impeller - motor. (MI)
- Impeller ballancing quality grade Q1. (Q1)

CASING

- Medium casing (CM) or Short casing (CS).
- Hot dip galvanized casing. (HDG)
- Stainless steel AISI 304 casing and base plate. (I304)
- Stainless steel AISI 316 casing and base plate. (I316)
- Painted casing. (P)
- Cataphoresis protection casing and impeller. (KF)

MOTOR

- Different voltages. 50 or 60Hz frequency.
- 2 speed motors.

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PRODUCT TECHNICAL DETAILS

Max Airflow	6.147,89	m ³ /h
Max St Pressure	352,15	Pa
Diameter	355	mm
Hub	170,00	
Hub ratio	0,479	
Pitch angle	34	°
Blade number	8	
Ballancing	Q2.5	DYNAMICALLY
Impeller material	Al-2560	
Casing material	Galvanized steel	DX51D-Z
Approx weight	26	kg

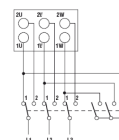
D125/2009 ECODESIGN VALUES, ACCORDING TO D327/2011, AT IT'S MAXIMUM EFFICIENCY POINT

Airflow	1,11	m ³ /s
Pressure	340,00	Pa
Electrical Power	898,49	W
η fan	42,07	%
η TARGET 2015	39,01	%
N'	52,78	
N	50,00	
C.M.	C	
C.E.	STATIC	
S.R.	1,00	
V.S.D.	NO	

MOTOR TECHNICAL INFORMATION

Mechanical Power	1,1/0,25	kW
Power supply	400V/~III/50Hz	Y/YY
Rated voltage	400YYY	V
Pole	2/4	
Rated speed	2810/1390	rpm
Rated current	2,41/0,75	A
Rated torque	1,67	Nm
Breakdown torque	4,18	Nm
Locked rotor torque	3,67	Nm
Locked/Rated current	3,80	

Design	-	
Insulation class	H	
Service factor	1,15	
Duty cycle	S1 + S2	
Max ambient temp	45,00	°C
Max altitude	1.000,00	m
Motor size	80	
Motor shaft	19	mm
Efficiency	70,50	%



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PRODUCT DUTY POINT HIGH SPEED

Temperature	20 °C
Height over sea level	0 m
Air density	1,2046 kg/m ³
Airflow	6.147,89 m ³ /h
Static Pressure	2,61 Pa
Dynamic Pressure	179,29 Pa
Total Pressure	181,91 Pa
Shaft Power	598,75 W
Thrust	35,49 N
Service factor	2,02
MAX work. temperature	55 °C

TECHNICAL REQUIRED SPECIFICATIONS

Temperature	20 °C
Height over sea level	0 m
Air density	1,2046 kg/m ³
Required Airflow	6.147,89 m ³ /h
Required Pressure	2,61 Pa

		octave band (Hz)							
		63	125	250	500	1000	2000	4000	8000
Sound Power Level	90,2 db(A)	71,2	80,8	84,1	84,6	83,9	80,0	74,0	64,8
Sound Pressure Level at 3m	72,7 db(A)	53,6	63,2	66,5	67,1	66,4	62,4	56,5	47,3

PRODUCT DUTY POINT LOW SPEED

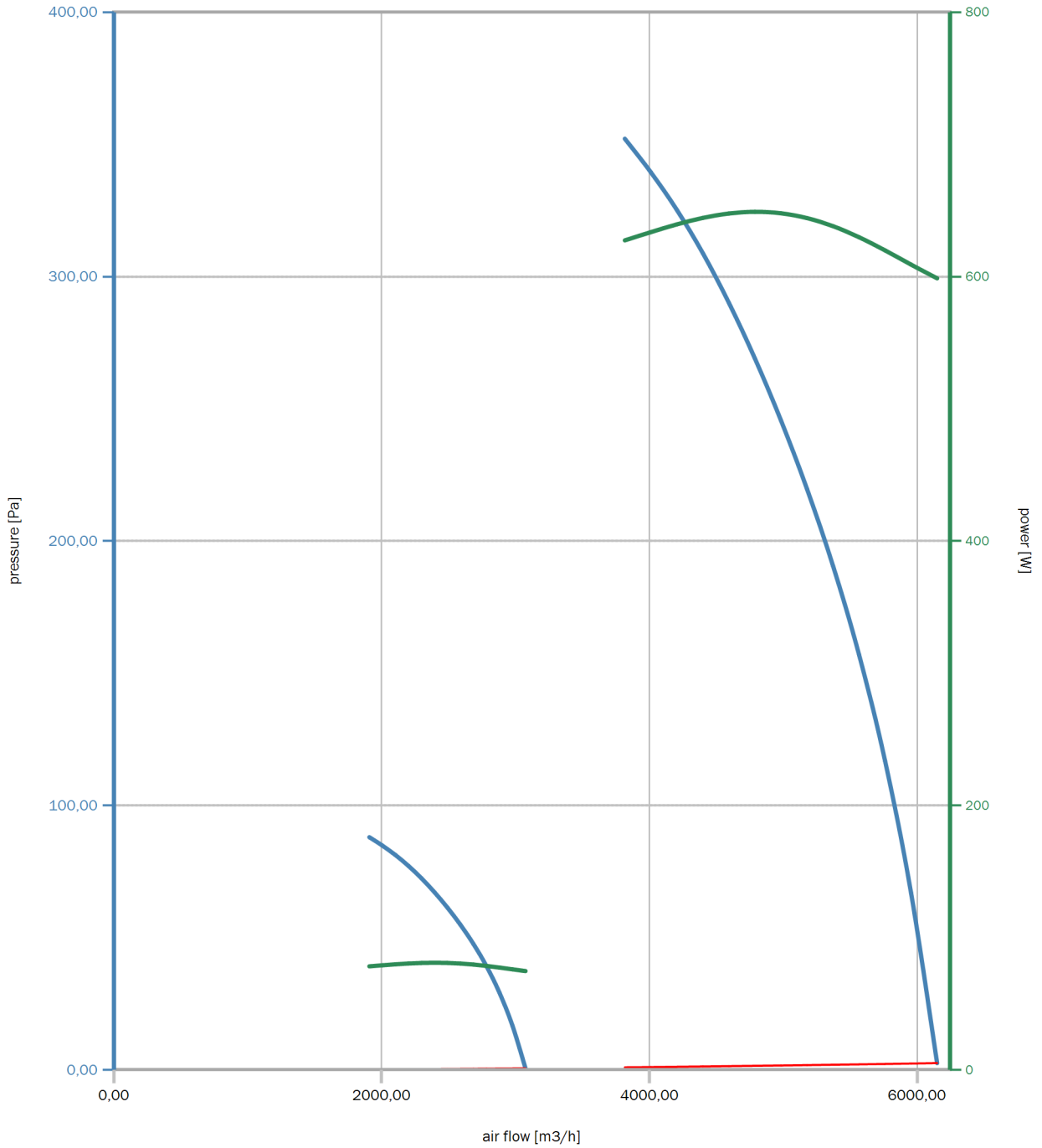
Temperature	20 °C
Height over sea level	0 m
Air density	1,2046 kg/m ³
Airflow	3.073,95 m ³ /h
Static Pressure	0,65 Pa
Dynamic Pressure	44,82 Pa
Total Pressure	45,48 Pa
Shaft Power	74,84 W
Thrust	8,87 N
Service factor	16,17
MAX work. temperature	55 °C

		octave band (Hz)							
		63	125	250	500	1000	2000	4000	8000
Sound Power Level	75,2 db(A)	56,1	65,7	69,0	69,6	68,9	64,9	59,0	49,7
Sound Pressure Level at 3m	57,6 db(A)	38,6	48,2	51,5	52,1	51,4	47,4	41,5	32,2

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PRODUCT PERFORMANCE

(airflow vs pressure & airflow vs power related to normal conditions T20°C and 1.2046kg/m3 air density)

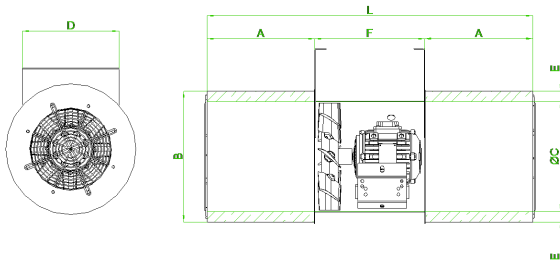


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PRODUCT DIMENSIONS



A	B	C	D	E
800	455	355	395	50
F	G	H	I	J
320	100	1920	0	0
K	L	M	N	
0	0	0	0	

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ACCESSORIES



VMR

VARMATIC

Frequency controller

Each of the references can be controlled by an external equipment (such as a computer) with a entry current from 0 to 10 V.

Applications: General industry.

- Powerful and compact sensorless vector control inverter.
- Enhanced process PID control.
- Stall prevention, Up/Down, 3-wire operations.
- Selective v/f, sensrless vector control.
- 0,7-15kHz carrier frequency.
- Powerful torque at overall speed range.
- 0,01-400 Hz frequency output.
- -15% +10% input voltage margin.
- Selectable manual/automatic torque boost.
- Built-in Rs485/Modbus RTU communication.



VMR

STOP

Switch Switch (STOP) IP 65

On/Off Switch for maintenance operations on roof units.



VMR

TP

Adjustable differential pressure transmitter for motoring the differential pressure of the air.

Applications: Monitoring air fi lters and fans.

- Housing in ABS, IP54.
- Operating temperature: -10 °C ... +50 °C.
- Ambient humidity: 0-95%.



CP000

CABLE PIROS

Single conductor cable, mineral fi ber insulation, nickel-plated copper core.

- Continuous working temperature: -60 °C to +400 °C.
- Good resistance to thermal shock.
- Working volatge: 300/500V.
- Grey colour
- Veritas approval certificate n° BV 153552.
- Nickel-plated cooper meets standard ASTMB355.
- 200 m spools.