

AXITUB PIROS WINDER 4-800T-6 4 kW

MODEL **THW40800T60400**
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In-line fan

Long cased axial in-line fan. Constructed with aluminium impellers fitted with Multiflow Novovent System (M.N.S.) that allows multiple pitch angle to achieve better performance and Serrated Novovent System (S.N.C.), proprietary patented technology that improves impeller capabilities such as performance, efficiency and sound reduction. AXITUB PIROS WINDER (F400) serie is constructed under a tough casing with a adjustable bench that allows a wide range of motors to be installed. In-line 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.) and Serrated Novovent Concept (S.N.C.).
- 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.

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 (continuous use) and S2 (emergency use).

OPTIONS:

(to be added to description if requiered)

i.e. AXITUB xxxxxxxxxxxx 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	31.931,63	m ³ /h
Max St Pressure	468,62	Pa
Diameter	800	mm
Hub	270,00	
Hub ratio	0,3375	
Pitch angle	27	°
Blade number	6	
Ballancing	Q2.5 DYNAMICALLY	
Impeller material	Al-2560	
Casing material	Galvanized steel DX51D-Z	
Approx weight	86	kg

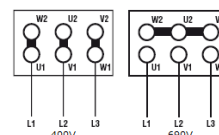
D125/2009 ECODESIGN VALUES, ACCORDING TO D327/2011, AT IT'S MAXIMUM EFFICIENCY POINT

Airflow	6,25	m ³ /s
Pressure	347,68	Pa
Electrical Power	4.385,63	W
η fan	49,58	%
η TARGET 2015	37,72	%
N'	54,15	
N	40,00	
C.M.	C	
C.E.	STATIC	
S.R.	1,00	
V.S.D.	NO	

MOTOR TECHNICAL INFORMATION

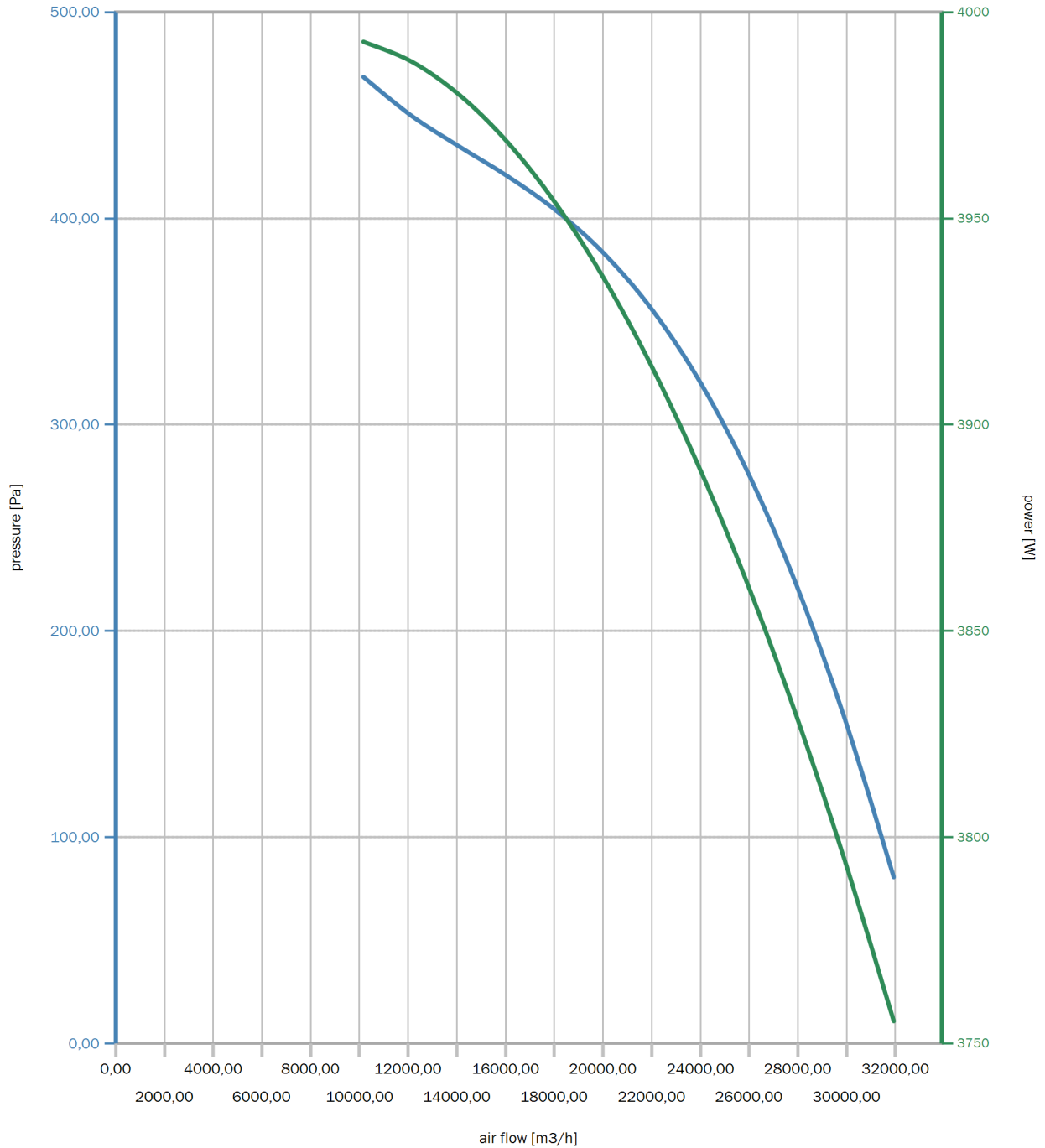
Mechanical Power	4,00	kW
Power supply	400/690V/~III/50Hz	
Rated voltage	400/690	V
Pole	4	
Rated speed	1450	rpm
Rated current	8/4,64	A
Rated torque	26,34	Nm
Breakdown torque	81,66	Nm
Locked rotor torque	60,59	Nm
Locked/Rated current	7,00	

Design	N	
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	112M	
Motor shaft	28	mm
Efficiency	89,10	%



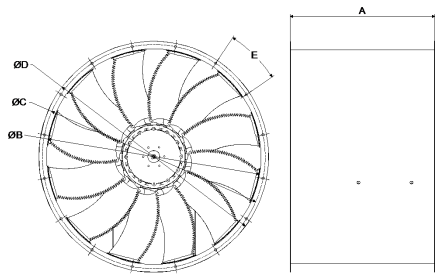
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PRODUCT PERFORMANCE

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

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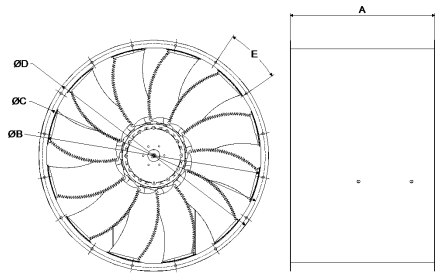
PRODUCT DIMENSIONS



CL

A	B	C	D	E
600	807	860	900	13x22,5
F	G	H	I	J
0	0	0	0	0
K	L	M	N	
0	0	0	0	

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CL

A	B	C	D	E
600	807	860	900	13x22,5
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ACCESSORIES



OOTARP800 RP 800



OOTACA800 CA 800



OOTAJN800 JN 800



SB00800 SB 800



SL00800 SL 800



SLN0800 SLN 800



VMR VARMATIC



VMR STOP



VMR TP



CP000 CABLE PIROS