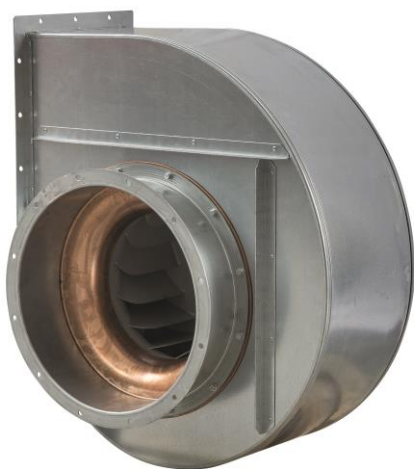


FRP

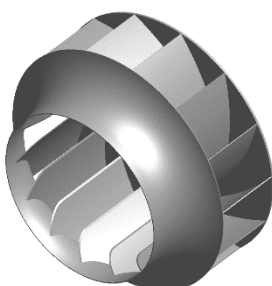
APPLICAZIONI INDUSTRIALI
INDUSTRIAL PROCESS FANS

FRP

451-501-561



Girante con pale negative
Backward curved impeller



IMPIEGO: Questa serie è realizzata appositamente per aspirazione da cabine di verniciatura, vasche stoccaggio solventi e ambienti dove si richiedono spostamenti di grandi volumi di aria con basse pressioni. Aria pulita o leggermente polverosa, vapori, miscele di gas con contenuto di polvere massimo 50mg/m³

INSTALLAZIONE: Questi ventilatori si installano direttamente sui tetti delle cabine di verniciatura, tramite attacco flangiato ad asse verticale. La temperatura dell'aria aspirata non deve superare i 40°C.

CARATTERISTICHE COSTRUTTIVE: Ventilatori diretti a singola aspirazione con girante a pale negative in acciaio al carbonio verniciati con ciclo cataforetico ed equilibrati dinamicamente. Coclee in robusta lamiera zincata con bordatura Pittsburgh.

PURPOSE: This fan series is specially designed for suction air from paint booth, storage tank for solvent and more generally from ambient where is required moving large volumes of air with low pressure. Clean air or slight dusty air, steam, gas mixture with maximum dust content 50mg/m³

INSTALLATION: These fans are installed over the roof of the paint booth using the flange connection with vertical axis. The maximum suction air temperature has to be 40°C.

TECHNICAL FEATURES: Direct driven fans, single suction with backward blades impeller made of carbon steel. Cataphoretic painting cycle, dynamically balanced. Galvanized steel casing edging with Pittsburgh Machine.

ACCESSORI: Tronchetto di montaggio su bocca aspirante in lamiera zincata, e guarnizioni siliconiche sulle zone di accoppiamento componenti. I rasamenti anti scintilla sono realizzati in rame, e sulla struttura del ventilatore sono presenti due tondini filettati per il collegamento di messa a terra.

MOTORI: 4 poli trifase 230/400V IP55 classe F/B con cassa in alluminio, ad alta efficienza IE2 (IE3 per versioni non ATEX).

ATEX: 3G IIB T3 (interno ed esterno)

SU RICHIESTA: è disponibile versione non certificata ATEX, per installazione in ambienti non soggetti a rischio di esplosione.

ORIENTAMENTI: LG e RD

ACCESSORIES: Galvanized steel Junction plug on the outlet flange with silicone seals between the components.

Anti sparking proof parts made of copper.

On the frame of the fan there are two threaded rods for the grounding system.

MOTORS: 4 poles - three phase 230/400V IP55 class F/B with aluminum frame, High efficiency IE2 (IE3 for not-ATEX version).

ATEX: 3G IIB T3 (internal/external)

ON REQUEST: not ATEX version for ambient without explosion risk.

ORIENTATION: LG and RD

CURVE CARATTERISTICHE / PERFORMANCE CURVES – FRP 451

Modello / Model: FRP 451 N5N/1

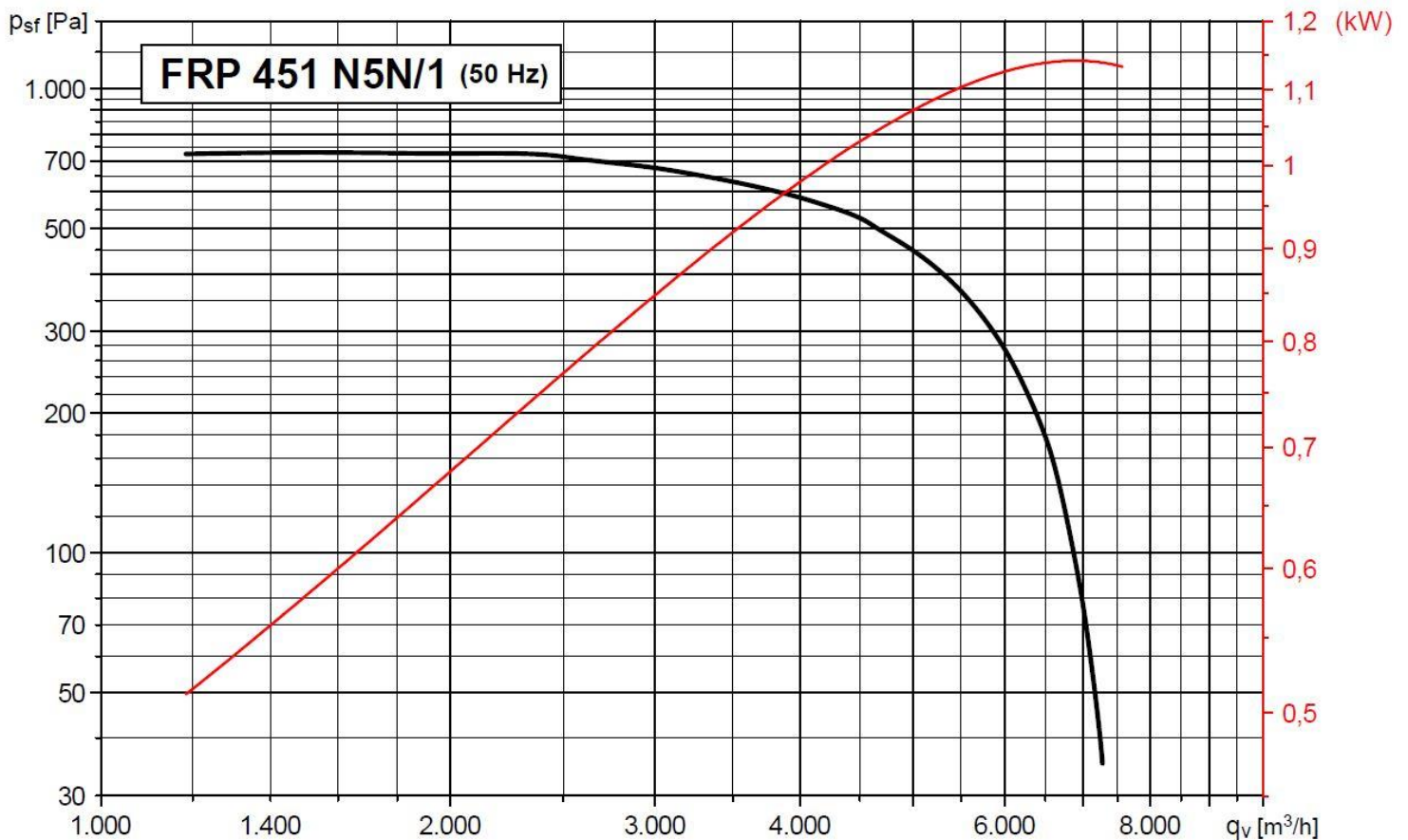
Potenza motore / Motor power: 1,1kW

Nr poli / Polarity: 4

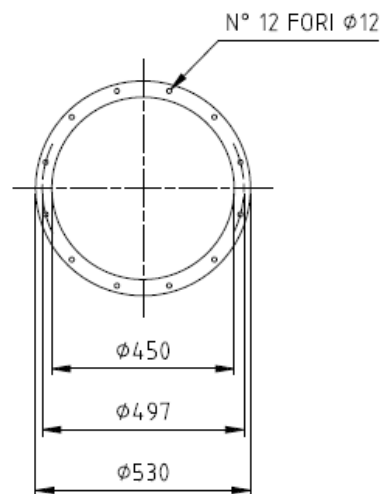
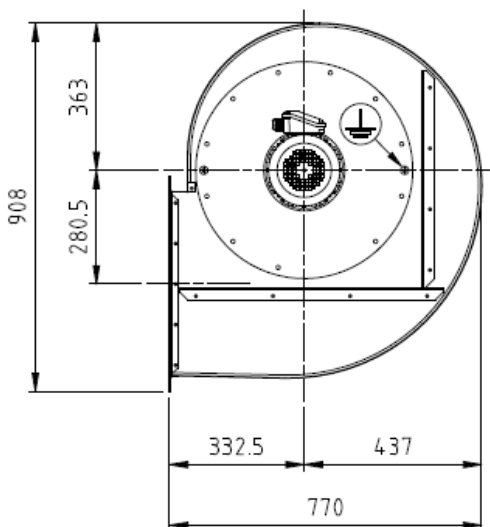
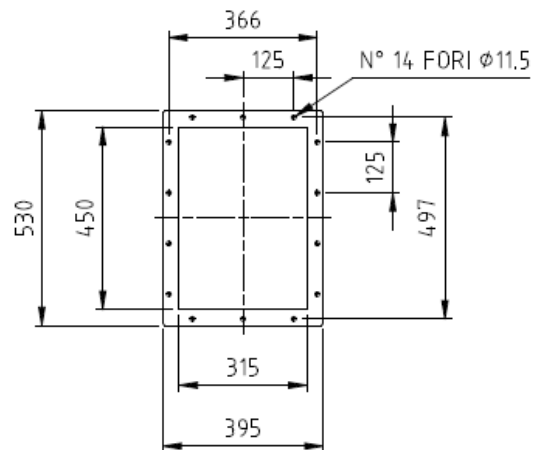
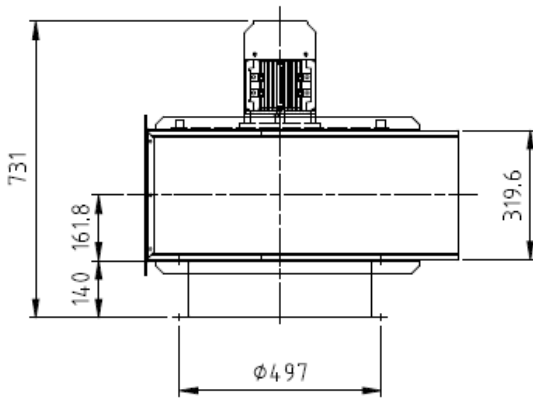
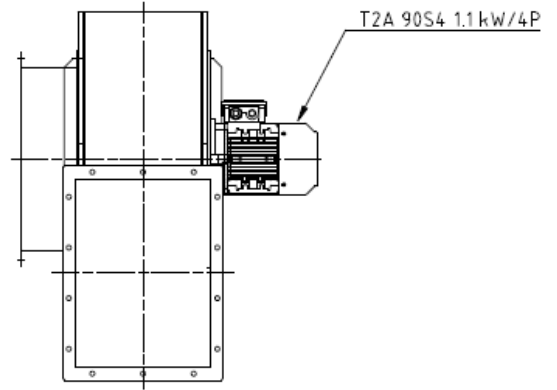
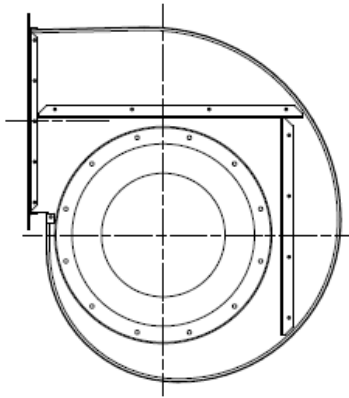
Frequenza / Frequency: 50 Hz

Giri vent. Contrat. / Rated rotational speed: 1430 r.p.m.

Densità aria contrat. / Rated air density: 1,226 Kg/m³



DISEGNO TECNICO / TECHNICAL DRAWING - FRP 451 N5N/1 RD270 90S4



CURVE CARATTERISTICHE / PERFORMANCE CURVES – FRP 501

Modello / Model: FRP 501 N5N/1

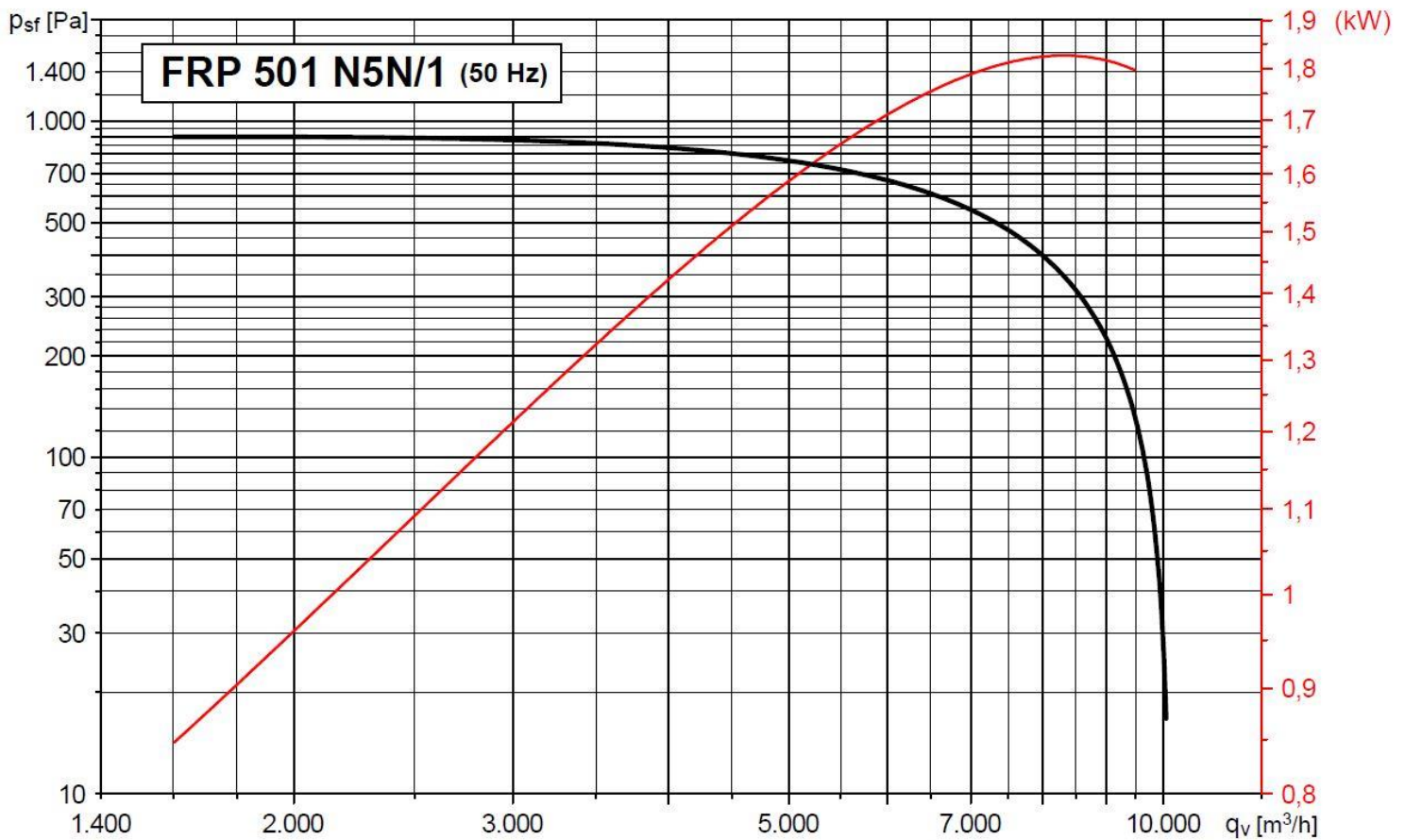
Potenza motore / Motor power: 2,2kW

Nr poli / Polarity: 4

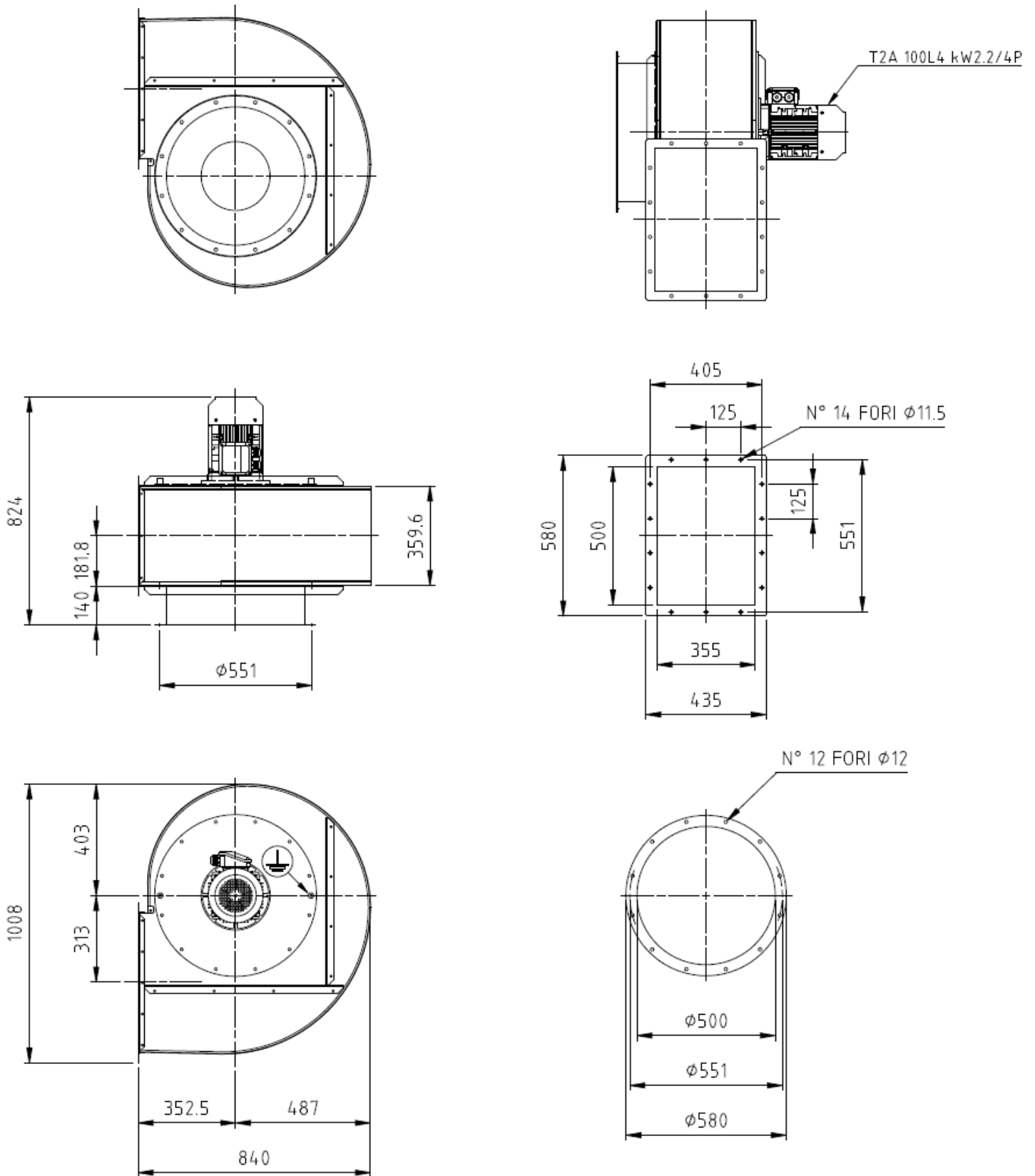
Frequenza / Frequency: 50 Hz

Giri vent. Contrat. / Rated rotational speed: 1440 r.p.m.

Densità aria contrat. / Rated air density: 1,226 Kg/m³



DISEGNO TECNICO / TECHNICAL DRAWING - FRP 501 N5N/1 RD270 100L4



CURVE CARATTERISTICHE / PERFORMANCE CURVES – FRP 561

Modello / Model: FRP 561 N5N/1

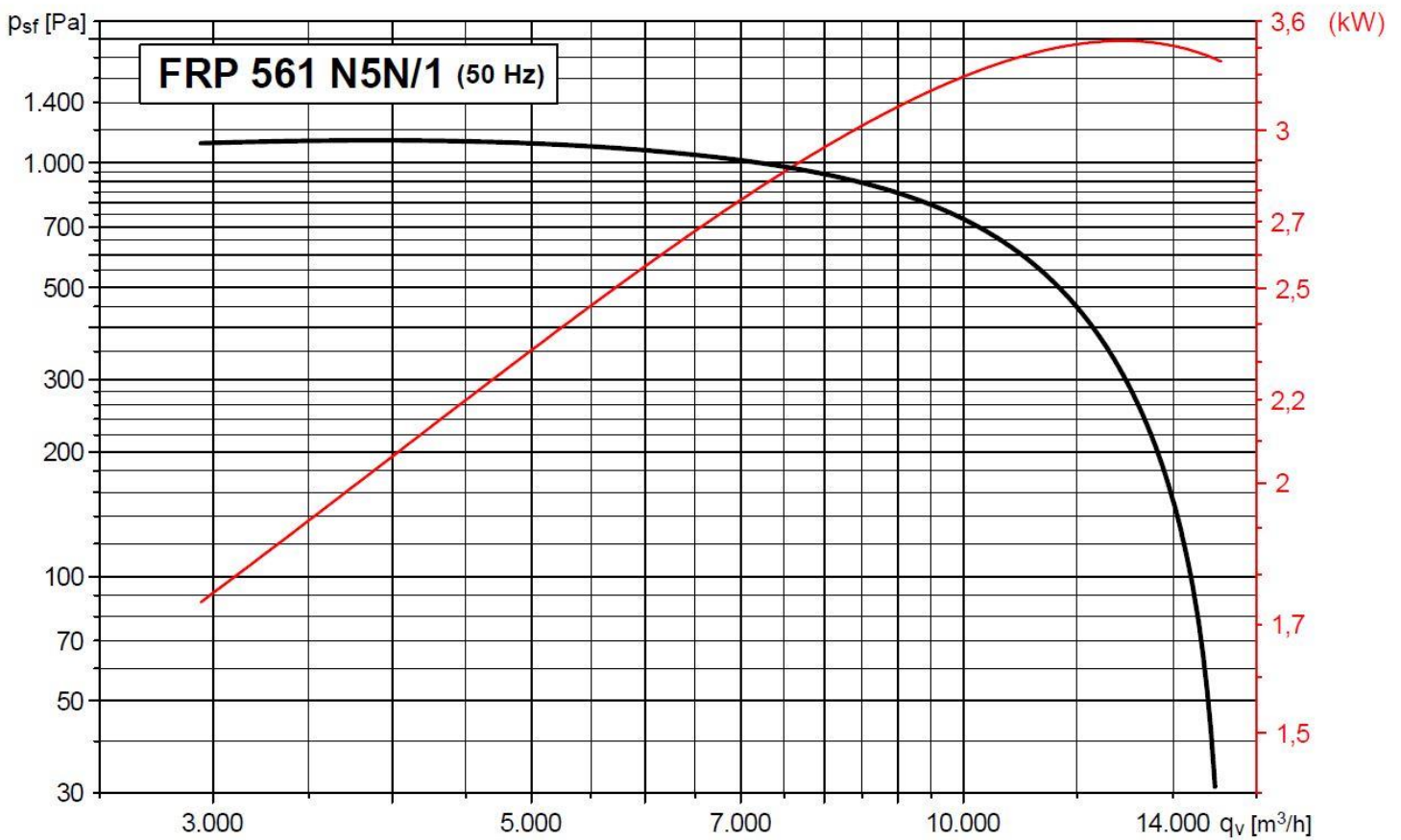
Potenza motore / Motor power: 4kW

Nr poli / Polarity: 4

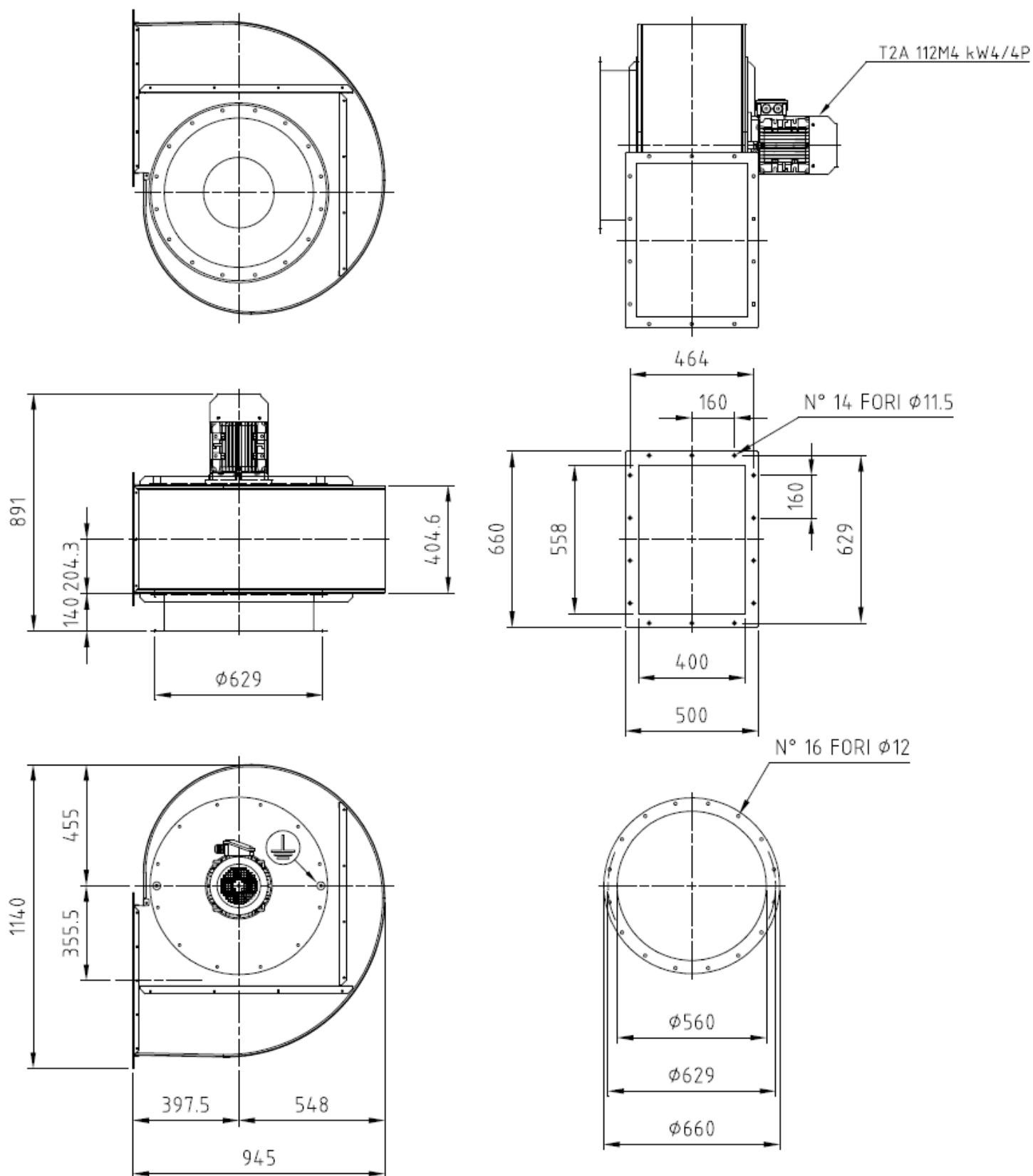
Frequenza / Frequency: 50 Hz

Giri vent. Contrat. / Rated rotational speed: 1440 r.p.m.

Densità aria contrat. / Rated air density: 1,226 Kg/m³



DISEGNO TECNICO / TECHNICAL DRAWING - FRP 561 N5N/1 RD270 112M4





Versione/Version 1.0 – Maggio/May 2017