

PP Fans for industrial Corrosive – Acidic – Explosive Air Transportation Systems RSDP series centrifugal fans are specifically designed for ventilation of Acidic and Corrosive environments. It is the ideal product to use when corrosive gases, polluted air or other aggressive components are part of the exhaust air. Typical applications are plating units, medical facilities, food, electrical, battery storage areas and the petrochemical industry. **The impeller** is made of PP, PPS or PVDF material with statically and dynamically balanced, aerofoil 3D blade geometry, silent, highly efficient, back sloping structure. Static and Dynamically balanced in DIN 1940 norms. **Housing** made of corrosion and UV resistant PE material and there is a condensate drainage hose and tap on the body. Body angle can be changed by removing the bolts. **Fan base and support** is AISI 304 Quality Stainless steel. All fittings are A4/316 quality stainless steel. Standard production is suitable to operate in conveyed air temperature between -20°C / +70°C. Easy to maintain, the high-efficiency fully enclosed electric motor is out of the air stream and has IP55/IP65 protection. Speed control can only be provided by a frequency converter. All of the Explosion Proof models with Atex certification as complete fans are produced in anti-static, non-flammable material and do not emit smoke when operated.

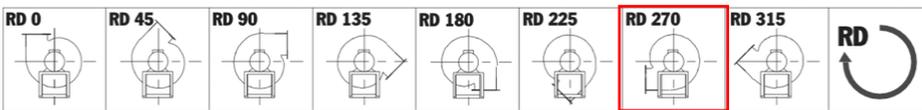
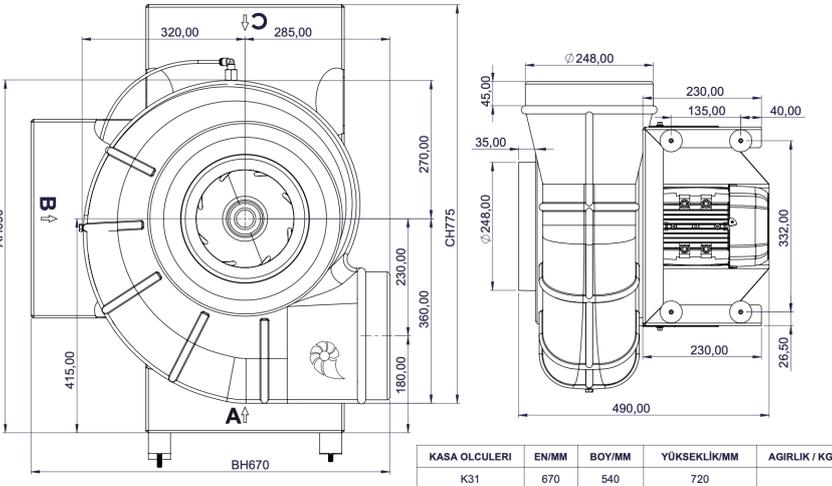
Korozif Gazlar ve Buharlar için Plastik Endüstriyel Radyal Fanlar RSDP serisi santrifuj fanlar özellikle Asidik ve Korozif ortamların havalandırılması için tasarlanmıştır. Aşındırıcı gazlar, kirlı hava veya diğer agresif bileşenler egzoz havasının bir parçası olduğunda kullanılacak doğru üründür. Tipik uygulamalar kaplama tesisleri, tıbbi tesisler, gıda, elektrik ve petrokimya endüstrisidir. **Pervane** G6.3 ISO 1940-1 Standartlarına göre statik ve dinamik olarak dengelenmiş, Aerofoil 3D kanat geometrisine sahip, sessiz, yüksek verimli, geriye eğimli yapıda PP, PPS veya PVDF malzemeden üretilmiştir. **Gövde** korozyon ve UV ışınlarına dayanıklı, PE - PEel - PP - PPS – Ppel malzemeden üretilmiştir. Gövde üzerinde drenaj hortumu ve musluğu mevcuttur, ayrıca montaj açısı civatalar sökölerek değiştirilebilir. Ana taşıyıcı montaj konsolu 304 Kalite paslanmaz çeliktir. Bütün bağlantı elemanları A4/316 kalite paslanmaz çeliktir. Standart üretim -15°C - +70°C arasında taşınan hava sıcaklığında çalışmaya uygundur. Bakımı kolay, yüksek verimli tam kapalı elektrik motoru hava akımı dışındadır ve IP55 korumaya sahiptir. Hız kontrolü yalnızca bir frekans dönüştürücü ile sağlanabilir. Motor ayrıca muhafaza altına alınmıştır. **Atex sertifikasına sahip Exproof modellerin tamamı antistatik, yanmaz malzemeden üretilmiştir.**



Shipping Plywood Case Size 670x540x720(h)

Atex caution warning plate

Atex Flexible inlet and outlet connectors



| Model | Sipariş Kodu | Supply | Air Flow | Speed | Motor | Current | Temp. | Weight |
|---------------------------------------|--------------|--|-------------------|---|-------|---------|-------|--------|
| | Code | V | m ³ /h | min ⁻¹ | Kw | Amp | +°C | Kg |
| RSDP 31B/2/50.T | ⑧ 1312501 | 400V/50Hz | 4125 | 2950 | 1,50 | 3,00 | 70 | 28 |
| RSDP 31B/4/50.T | ③ 1314501 | 400V/50Hz | 2050 | 1450 | 0,25 | 0,70 | 70 | 24 |
| RSDP 31B/2/50.M | ⑧ 1312502 | 230V/50Hz | 4125 | 2950 | 1,50 | 8,00 | 70 | 29 |
| RSDP 31B/4/50.M | ③ 1314502 | 230V/50Hz | 2050 | 1450 | 0,37 | 2,50 | 70 | 24 |
| RSDP 31B/6/50.T | ① 1316501 | 400V/50Hz | 1250 | 950 | 0,25 | 0,70 | 70 | 23 |
| Explosion proof / Atex Version | | >> Gas / Ex II 2G h T4-T6 IP65 - (Gas) - Zone1/2 | | >>Dust / Ex II 2D tb IIIC T135° Db (IP65) – Zone1/2 | | | | |
| RSDP 31B/2/50.Ex | ⑧ 1312503 | 400V/50Hz | 4125 | 2950 | 1,50 | 3,00 | 70 | 28 |
| RSDP 31B/4/50.Ex | ③ 1314503 | 400V/50Hz | 2050 | 1450 | 0,37 | 0,97 | 70 | 24 |
| RSDP 31B/2/50.Ex M | ⑧ 1312504 | 230V/50Hz | 4125 | 2950 | 1,50 | 8,00 | 70 | 29 |
| RSDP 31B/4/50.Ex.M | ③ 1314504 | 230V/50Hz | 2050 | 1450 | 0,37 | 2,50 | 70 | 24 |
| RSDP 31B/6/50.Ex | ① 1316503 | 400V/50Hz | 1250 | 950 | 0,18 | 1,20 | 70 | 23 |

Atex Notification Certificat Number : IEP 22 ATEX N 406
 CE Type Examination Number : IEP 16 ATEX 0402X
 Product Quality Assurance Notification : IEP 25 ATEX Q1643
Notified Body Number : 2284
 ATEX 2014/34/EU - EN 14986 : 2007
 EN 60079-0 : 2012 - EN 13463-1 : 2011

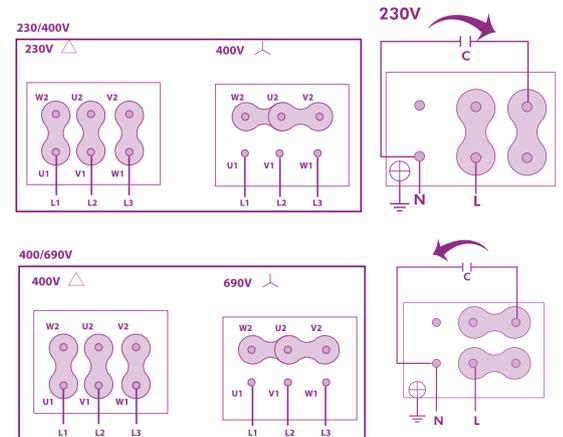
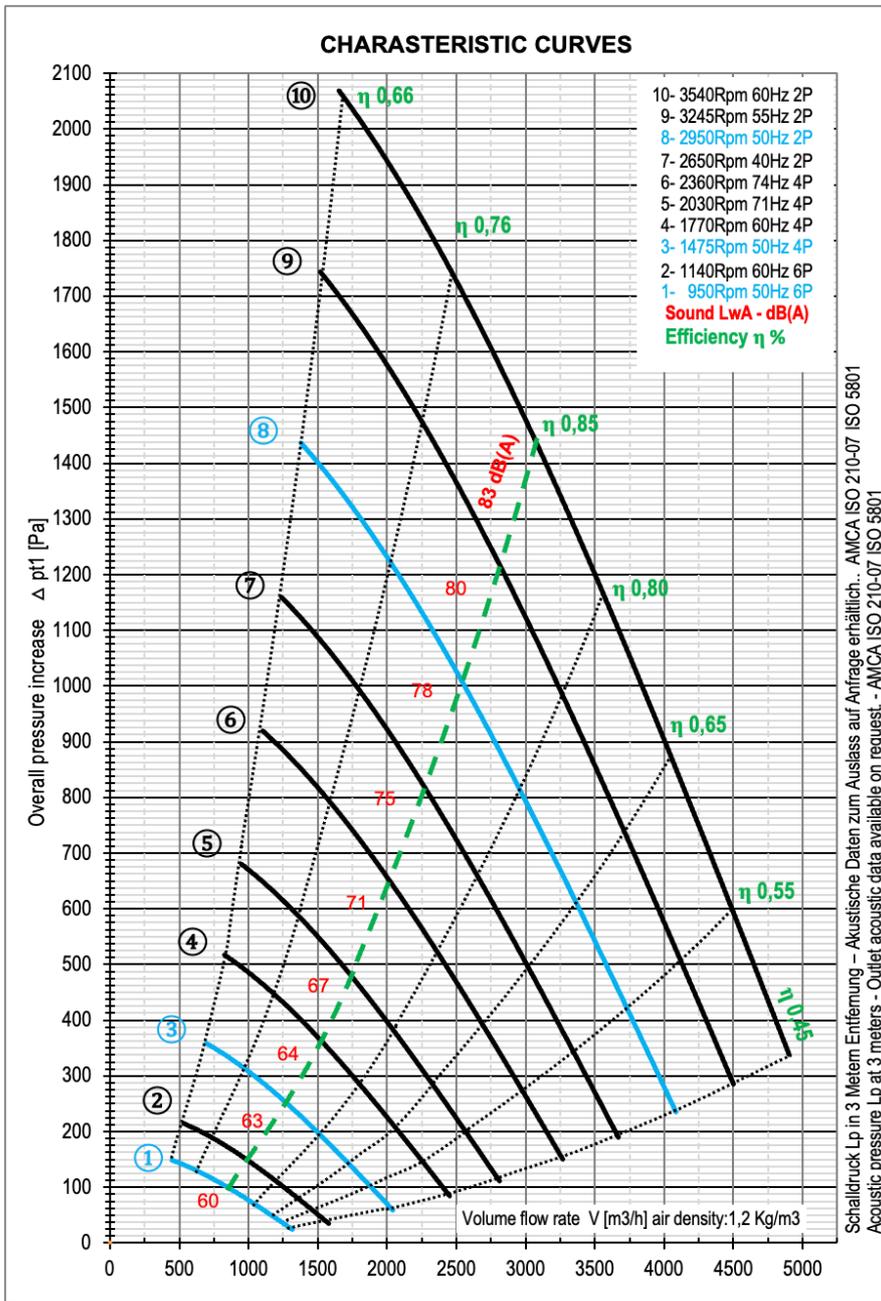
ZONE1 - ZONE 2



Management System
ISO 9001:2015
 ID : 01 100 902038
 www.tuv.com



New reinforced backward curved Aerofoil impeller



| Model | Speed Rpm | Freq Hz | Pw Kw | Lp dB(A) | Total Pressure Δp_t (Pa) / Volume Flow Rate (m ³ /h) | | | | | | | | | | | | | | |
|-----------------|--------------|------------|----------|-------------|---|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | | | | 25 | 50 | 75 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | | |
| RSDP 31B/6/50.. | ① 950 | 50Hz | 0,25 | 61 | 1250 | 1100 | 1000 | 850 | 600 | | | | | | | | | | |
| RSDP 31B/6/60.. | ② 1140 | 60Hz | 0,25 | 62 | 1600 | 1500 | 1400 | 1250 | 750 | | | | | | | | | | |
| RSDP 31B/4/50.. | ③ 1450 | 50Hz | 0,37 | 63 | 2050 | 1950 | 1900 | 1850 | 1850 | 1750 | 1500 | 1250 | 1000 | | | | | | |
| RSDP 31B/4/60.. | ④ 1770 | 60Hz | 0,37 | 64 | | | | 2450 | 2350 | 2250 | 2125 | 1950 | 1750 | 1500 | 1375 | 1250 | | | |
| RSDP 31B/4/71.. | ⑤ 2030 | 71Hz | 0,37 | 65 | | | | 2750 | 2650 | 2550 | 2450 | 2350 | 2250 | 2125 | 2000 | 1750 | 1700 | | |

| Model | Speed Rpm | Freq Hz | Pw Kw | Lp dB(A) | Total Pressure Δp_t (Pa) / Volume Flow Rate (m ³ /h) | | | | | | | | | | | | | | |
|-----------------|--------------|------------|----------|-------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | | | | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | | |
| RSDP 31B/4/74.. | ⑥ 2350 | 74Hz | 0,55 | 67 | 3125 | 3000 | 2900 | 2650 | 2400 | 2150 | 1950 | 1500 | | | | | | | |
| RSDP 31B/2/40.. | ⑦ 2650 | 40Hz | 1,10 | 71 | 3650 | 3550 | 3450 | 3250 | 3000 | 2750 | 2500 | 2250 | 2000 | 1750 | | | | | |
| RSDP 31B/2/50.. | ⑧ 2950 | 50Hz | 1,50 | 74 | | | | 4125 | 4000 | 3750 | 3600 | 3450 | 3250 | 3000 | 2750 | 2500 | 2000 | 1500 | |
| RSDP 31B/2/55.. | ⑨ 3250 | 55Hz | 1,50 | 75 | | | | 4500 | 4250 | 4125 | 4000 | 3750 | 3625 | 3475 | 3250 | 2800 | 2500 | 2000 | |
| RSDP 31B/2/60.. | ⑩ 3540 | 60Hz | 2,20 | 77 | | | | | 4750 | 4630 | 4500 | 4300 | 4200 | 4000 | 3650 | 3500 | 3200 | 2750 | |

(Direct Coupled) 1,3 and 8 operating points products without speed adjuster

(Direktantrieb) 1,3 und 8 Betriebspunkte Produkte ohne Drehzahlsteller