# MODEL COMPARISON

rainbow® SRX™

| Model Comparison Chart | E2 | SRX |
|---|---|---|
| Patented Switched Reluctance, Variable Speed Hurricane® Motor | ✓ | ✓ |
| Illuminated Water Basin | ✓ | ✓ |
| Certified Air Cleaner | ✓ | ✓ |
| Quick-Connect Stainless Steel Wands | ✓ | ✓ |
| Four-Speed Performance Motor with Air Speed Indicator Lights | | ✓ |
| Timer Mode | | ✓ |
| Self-Rising, Slide Out Water Basin Access | | ✓ |
| Magnetic Snap-in Hose Connection | | ✓ |
| Quick-Release Cord Storage | | ✓ |
| Included Pet Tool and Extractor/Wet Pickup Tool | | ✓ |
| Attachments Storage Box | | ✓ |
| Adjustable Air Inlet Vents on Power Nozzle | | ✓ |
| Stainless Steel Brush Roll | | ✓ |
| Service Technician Diagnostics App | | ✓ |
| 10-Year Warranty on Motor and Electronic Controller | | ✓ |

Last updated: 07.29.2019

# TYPICAL PRODUCT SPECIFICATIONS

rainbow SRX

| Rainbow Model Number: RHCS19 \| Model Name: Rainbow SRX | |
|---|---|
| Manufacturer / Country of Origin | Rexair LLC / Cadillac, Michigan U.S.A. |
| Rated Voltage | 100-127 VAC; 220-240 VAC; 50-60 Hz |
| Power Consumption | 30 W (Low Speed); 850-1080 W (High Speed) Depending on Configuration |
| Motor Type | Brushless Switch Reluctance - Two-Phase (Patent US6777844 B2) |
| Motor Style | Bypass; Double Insulated with Stainless Steel Shaft |
| Motor Speed | 4-Speed |
| High | 22,000-28,000 RPM |
| Low | 3,000 RPM |
| Motor Overload Protection | Yes - Electronic |
| Resettable | Yes - Electronic |
| Vacuum at Hose Inlet - Sealed - Inches H2O | 17.5 kPa / 70 Inches of Lift |
| Volume of Air Moved | 100 CFM (High Speed) / 72CFM (Speed 3) / 40CFM (Speed 2)/ 13 CFM (Low Speed) |
| Sound Pressure | 67-79 db(A) Depending on Methodology & Speed |
| Agency / Safety Marks | UL / CB/ D – Demko / Double-Insulated |
| Water Filtration | Yes |
| Filtration Method | Water Bath + Separator + HEPA |
| HEPA Filter Media Class | H13 (Per IEST 1.5) |
| Blower Mode | 14 kPa / 2.0 PSI |
| Machine Dimensions | (Length / Width / Height) 43.2 x 35.5 x 43.2 cm / 17 x 14 x 17 in |
| Color | Black |
| Weight | (Empty Water Basin) 7.93 kg / 17.4 lbs |
| Housing Material | ABS |
| Cord Length | 7.3 m / 24 ft |
| Dolly or Casters | Dolly - 5 Wheels |
| Water Basin Capacity | 1.9 liters / 2.0 quarts |
| Hose | Vinyl; Electrified; Wire Refinforced |
| Hose Length | 2.4 m / 8 ft (Optional 4.3 m / 14 ft) |
| Hose Handle Trigger Switch | Finger Trigger |
| Airflow Control | 4 Speed Operation |
| Wands | Two Stainless, Self-Docking |

| Certifications | |
|---|---|
| AHAM Verifide Air Cleaner | CERTIFIED asthma & allergy friendly® / Asthma and Allergy Foundation of America |
| UL, CB, D-Demko, Double Insulation | UL1017, IEC 60335-2-2: 2009, AMD1: 2012, AMD2 |

## European Regulation EU 666/2013 Eco Design Requirements:

| Model RHCS19 Type 230EU | |
|---|---|
| Annual energy consumption shall be less than 43.0 kWh / year | Compliant |
| Rated input power shall be less than 900 W | Compliant |
| Dust pick up on hard floors shall be greater than or equal to 0.98 | Compliant |
| Dust re-emmission shall be no more than 1.00% | Compliant |
| Sound power shall be less than or equal to 80 dB(A) | Compliant |
| Hose shall be durable after 40,000 cycles | Compliant |
| Operational motor life shall be greater than 500 hours | Compliant |

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# POWERNOZZLE™ TYPICAL PRODUCT SPECIFICATIONS

rainbow® SRX™

| Rainbow Power Nozzle | Model Name: PN3 |
|---|---|
| Manufacturer | Rexair LLC |
| Product Classification | Motorized Nozzle |
| Rated Voltage(s) | 100V~, 50-60Hz, 300W |
| | 110V~, 50-60Hz, 300W |
| | 120V~, 50-60Hz, 3.0A |
| | 120V~, 50-60Hz, 300W |
| | 127V~, 50-60Hz, 300W |
| | 220-240V~, 50-60Hz, 300W |
| Motor Type | Universal |
| Motor Class | Class II, double insulated |
| Motor Operating Speed | Approx. 18,000 RPM (Standard Version) |
| | Approx. 11,300 RPM (Mattress Version) |
| Drive System | Center Drive, Poly-V Belt |
| Pulley Drive Ratio | Approx. 4.54 to 1 |
| Enclosure Materials | ABS, Polycarbonate |
| Pivot Arm Upright Lock System | Foot Pedal Actuated |
| Brush Roll Tube Material | 304 Stainless Steel |
| Brush Roll Operating Speed | 4000 RPM typically (Standard Version) |
| | Approx. 2500 RPM (Mattress Version) |
| Effective Cleaning Width | 12 Inches / 300 mm |
| Headlight Type | 10 Super Bright LEDs |
| Weight | 6.3 lbs. / 2.8 kg |
| Safety Standard | UL 1017 Vacuum Cleaners, IEC 60335-2-2 |
| Safety Standard Certifying Agency | Underwriters Laboratories |

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