



Enviro-Equipment, Inc.
Remediation Division

Stock #794

Used Rotron DR523K72, 3HP, 200-230/460V, 3PH, TEFC, Blower

SPECIFICATIONS

Dimensions: 15.91" x 14.21" x 16.12"

Weight: 112 Lbs. (Blower Only)

Brand: Rotron

Model: DR523K72

Max Pressure: 158" H₂O

Max Vacuum: 170" H₂O

Max Air Flow: 84 SCFM

Motor: DOERR Electric

Explosion Proof: NO

Horsepower: 3

Phase: 3

Voltage: 200-230/460

RPM: 3500

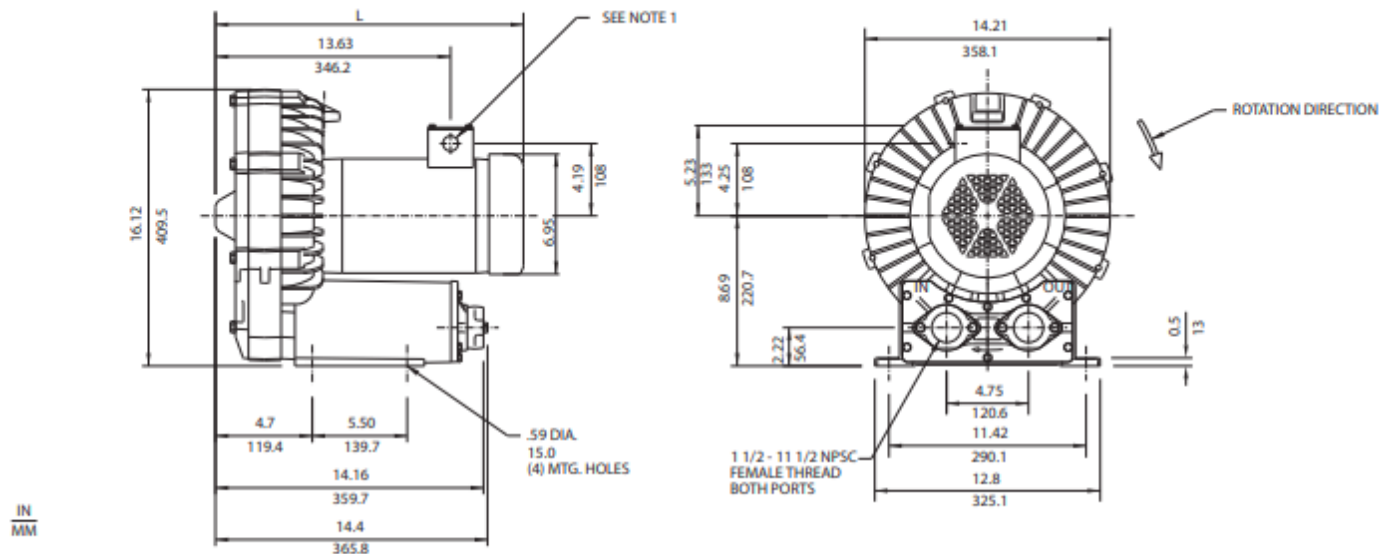




Enviro-Equipment, Inc.

Remediation Division

3.0HP High Pressure Regenerative Blower



- NOTES
1. TERMINAL BOX CONNECTOR HOLE .88 (22.4) DIA.
 2. DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
 3. CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	L (IN/MM)
DR523K72	15.91/404.1
DR523K58	19.31/490.5

		Part/ Model Number			
		DR523K72	DR523K58	DR523K86	CP523CS72LR
Specification	Units	037210	037211	037772	038243
Motor Enclosure - Shaft Mt.	-	TEFC-CS	TEFC-CS	TEFC-CS	TEFC-SS
Horsepower	-	3	3	3	3
Voltage	AC	230/460	115/230	575	230/460
Phase - Frequency	-	Three-60 hz	Single-60 hz	Three-60 hz	Three-60 hz
Insulation Class	-	F	F	F	F
NEMA Rated Motor Amps	Amps (A)	8.8-8.6/4.3	27/13.5	3.4	8.8-8.6/4.3
Service Factor	-	1.15	1.0	1.0	1.15
Max. Blower Amps	Amps (A)	8.9/4.45	30/15	3.4	8.9/4.45
Locked Rotor Amps	Amps (A)	91.3/45.7	196/98	36.4	91.3/45.7
NEMA Starter Size	-	0/0	1.5/1	0	0/0
Shipping Weight	Lbs	112	145	112	112
	Kg	50.8	65.8	50.8	50.8

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a $\pm 10\%$ voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C .

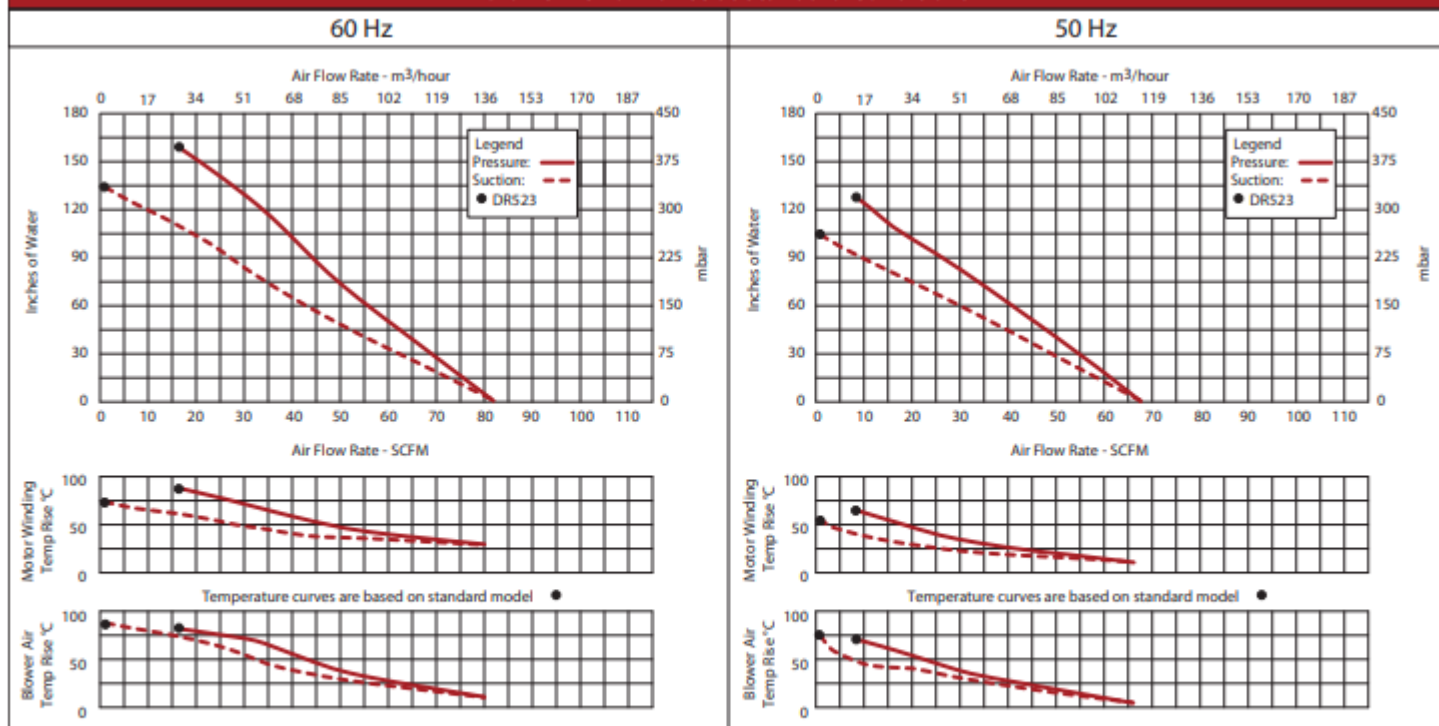
Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.



Enviro-Equipment, Inc.

Remediation Division

Blower Performance at Standard Conditions



This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.