

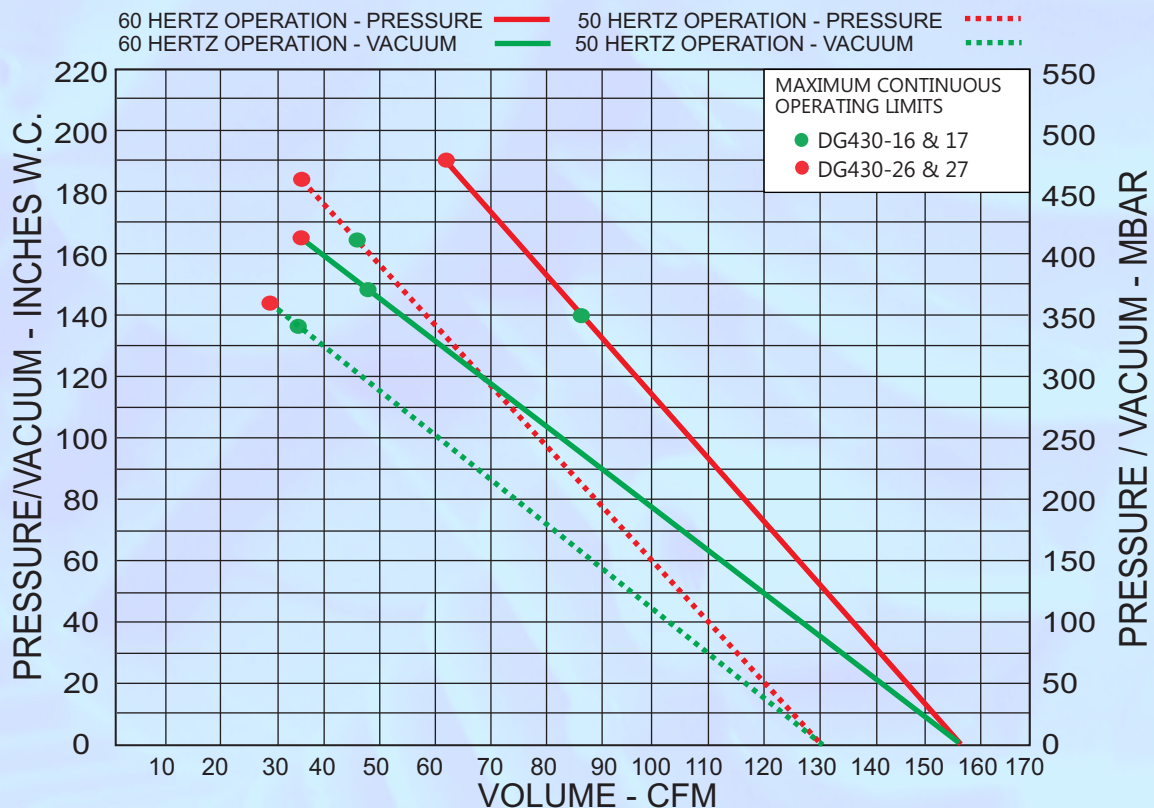
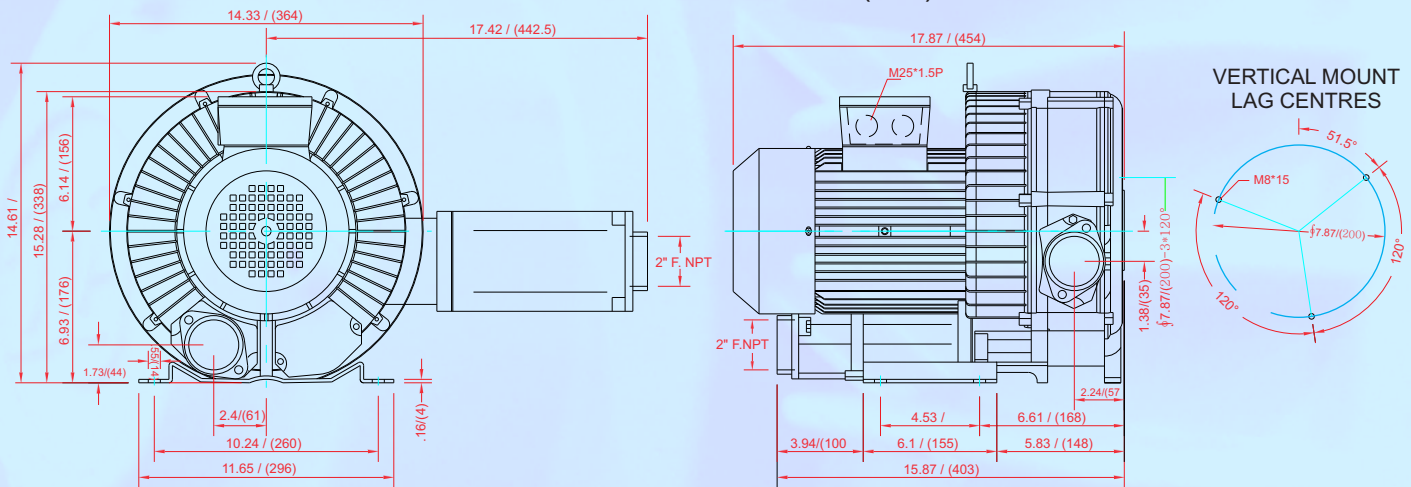
# 2-STAGE REGENERATIVE BLOWERS (RING COMPRESSORS) MODELS DG430-16, 17, 26 & 27

## CONSTRUCTION FEATURES

- Fine grain cast aluminum impeller and casings for maximum heat dissipation
- C-UL-US registered for service in Canada and the USA
- IP-55 rated (TEFC) motors
- Mountable in either horizontal or vertical positions
- Inlet and outlet silencers for quiet operation
- 2" F. NPT connection size



## DIMENSIONS - INCHES (MM)



# ELECTRICAL SPECIFICATIONS AND CAPACITIES



MODEL NUMBER	PH	HZ	VOLTAGE	RATED kW	MAX AMPS	* MAX. PRESS. IN. W.C.	* MAX VAC IN. W.C.	MAX FLOW CFM	WT. LBS	NOISE LEVEL dBA
DG430-16TS	3	50 60	200-240/345-415 220-275/380-480	3.4 3.7	12.5/7.2 13.5 / 7.8	164 140	138 149	130 155	88	74 77
DG430-17TS	3	60	575	3.7	5.3	140	149	155	88	77
DG430-26TS	3	50 60	200-240/345-415 220-275/380-480	4.0 4.6	14.3/8.2 16.2/9.3	184 190	142 165	130 155	95	74 77
DG430-27TS	3	60	575	4.6	5.9	190	165	155	95	77

\* Maximum operating pressure and vacuum levels are based on optimum supply voltage. Low (or high) voltage supply may reduce the achievable pressure/vacuum levels while remaining within nameplate amperage limitations.

NOTE: "TS" suffix in the model numbers designates a winding embedded thermistor switch is included for pilot duty service for protection of the blower from over-temperature. This is added protection, and motor overload protection is still required in the magnetic motor starter or VFD.

## RECOMMENDED OPTIONAL ACCESSORIES

Inlet strainer provides basic protection for the blower against ingestion of damaging particles. Washable 100 mesh stainless steel screen and plastic 2" M. NPT connection.



Model P50-2N-100

In-line vacuum filter for vacuum systems or remote air intake for pressure. Replaceable 10 micron paper cartridge (optional polyester element).  
Model CSL-850-200HC  
Model CSL-850-250HC



Inlet filter/silencer provides 10 micron filtration for blower and process protection. Replaceable paper cartridge (optional polyester element or filtration ratings). 2.5" M. NPT connection.  
Model FS-30P-250



Exhaust mufflers for vacuum applications and in-line silencers for inlet or exhaust application.  
Model B-168, 2" Exh. Muffler (2 may be required)  
Model VFY-026A In-line silencer  
2" F. NPT Connections



Pressure Relief Valve for installation in the discharge piping for pressure applications, is required to protect the blower from operating at excessive pressure and/or allowing constant pressure operation.  
Model PR-13



Check valves prevent back-flow during blower off periods where installations include multiple blowers. Size according to system piping to prevent excessive pressure drop.  
Model 5002A-2, 2" conn.  
Model 5002A-2.5, 2-1/2" conn.



Magnehelic pressure gauge may be used for pressure, vacuum or differential pressures determined by the connections used.



Model 2150 - Range 0 to 150" W.C.  
Model 2210 - Range 0 to 10 PSIG

Stainless Steel flexible connector for easy connection to your system to prevent transfer of vibration. Standard connections are 2" M. NPT x 24" long. (optional sizes available).  
Model No. - PARRAP 2" x 24"



Vacuum Relief valve required for vacuum applications to protect the blower from operating at excessive vacuum which can cause overheating and premature bearing failure. Connection is 1-1/2" F. NPT.  
Model VR-13.



Vibration isolation mounts for horizontal or vertical mounting of blower.  
Model 4C912 Pads (Horizontal mounting)  
Model KMN5XK75 (Vertical mounting - M8 studs both ends).

