2688T Series

THOMAS
by Gardner Denver

FEATURES

> Maximum operating pressure up to 175 psig (12 bar)
> Corrosion resistant wetted parts
> Oil-less operation
> Air filter/capacitor assembled
> Lightweight aluminium die-cast components
> Dynamically balanced
> Permanently lubricated bearings
> Patented monolithic head
> Motor thermally protected
> Stainless steel valves
> Twin 9 blade internal cooling fans
> Reliable WOB-L® piston technology
> Agency approved (UL or TUV)
> RoHS compliant
> Easily serviced

TYPICAL APPLICATIONS

> Mass Spectrometers
> Nitrogen Generators
> Beverage Dispensing

BASE MODEL

2688TE44/38
(115/60/1)

2688TGHI44/38
(230/60/1 & 220-240/50/1)



2688T



WOB-L®

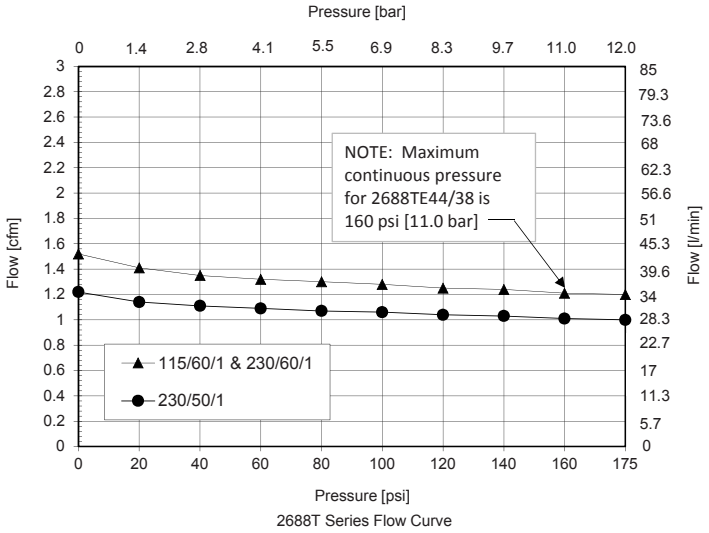
2688T Series

Flow	**1.52 cfm (43.0 l/min)**
Max. pressure	**up to 175 psig (12.0 bar)**
Max. vacuum	**N/A Pressure Only**



2688T

Oil-less



2688T Series Flow Curve

PERFORMANCE DATA

Model Number	2688TE44/38	2688TGHI44/38
Head Configuration	2 Stage Pressure	2 Stage Pressure
Stroke	0.44" (11.2mm) / .38" (9.7mm)	0.44 in. (11.2mm) / .38" (9.7mm)
Nominal voltage input	115V 60Hz	230V 60Hz & 220-240V 50Hz
Max. open air flow	1.52 cfm (43.0 l/min)	1.52 cfm (43.0 l/min) & 1.22 cfm (34.5 l/min)
Max. rated operating pressure	160 psig (11.0 bar)	175 psig (12.0 bar)
Current at rated pressure	4.7A	2.0A & 2.6A
Power at rated pressure	465W	440W & 480W
Max. pressure restart	Not applicable	Not applicable
Max. vacuum	Not applicable	Not applicable
Max. vacuum restart	Not applicable	Not applicable

ELECTRICAL DATA

Motor type [Capacitor value]	P. S. C. [20 µF]	P. S. C. [12.5 µF]
Motor insulation class	B	B
Thermal protection [Open temperature]	Yes [145°C ±5°C]	Yes [120°C ±5°C]
Line lead wire color, gauge	Cord with NEMA 5-15 plug	Brown, blue, green w/yellow 18 AWG w/jacket (no plug)
Capacitor lead wire color, gauge	Black, black, 18 AWG	Red, red 18 AWG

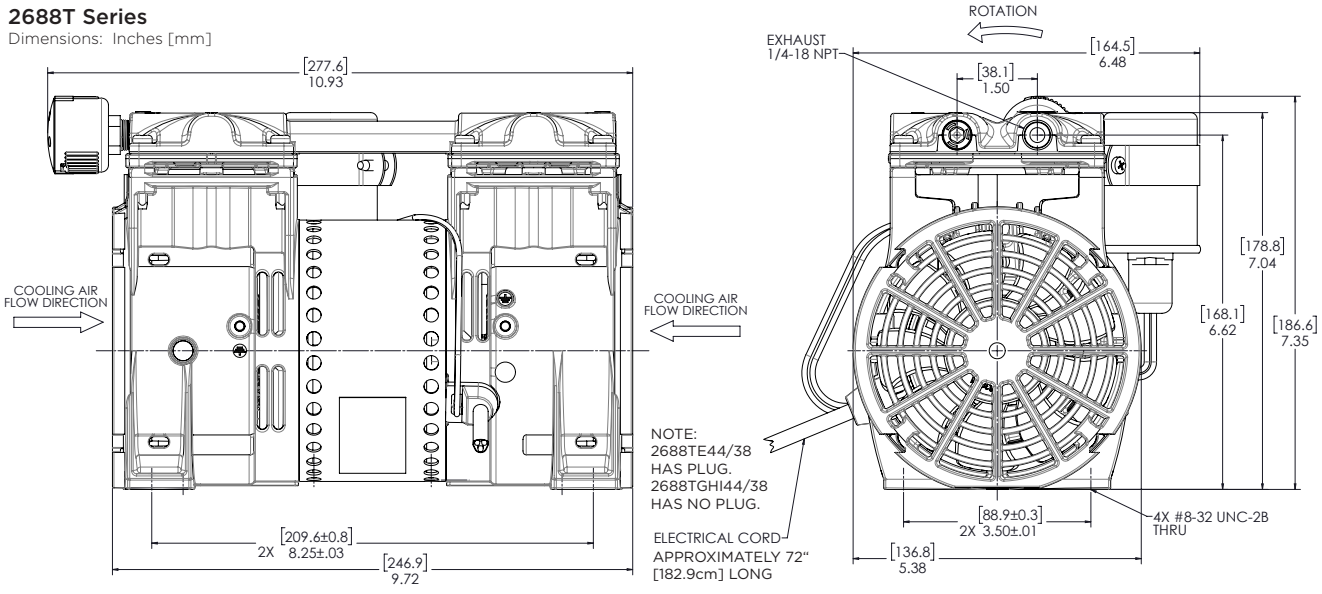
GENERAL DATA

Operaring ambient temperature	10 to 40 °C	10 to 40 °C
Safety Certification	CUR	TUV
Net weight	16.0 lbs (7.3 kg)	15.0 lbs (6.8 kg)
Field service repair kit part number	SK2688T	SK2688T

PRODUCT DIMENSIONS

2688T Series

Dimensions: Inches [mm]



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE
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