2685 Series

THOMAS
by Gardner Denver

FEATURES

> Maximum operating pressure to 120 psig
> Pressure restart to 100 psig
> Epoxy coated wetted parts
> Oil-less operation
> Dynamically balanced
> Permanently lubricated bearings
> Stainless steel valves
> External ground wire
> ASME safety valve
> P2 rated capacitor
> Patented components
> Reliable WOB-L® piston technology
> Specially formulated piston seal
> Agency approved
> RoHS compliant
> Easily serviced

BASE MODEL

2685PE40
2685PHI44



2685

TYPICAL APPLICATIONS

> Air Vending
> Mobile Dental Stations
> Pond Aeration
> Telephone Cable Drying
> Wave Guide Pressurization
> Wind Turbine Gear Box Cooling



WOB-L®

2685 Series

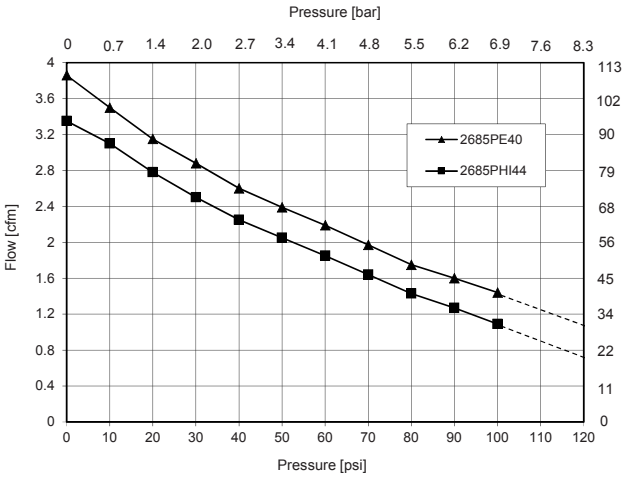
Flow	**3.8 cfm (107.6 l/min)**
Max. pressure	**120 psig (8.3 bar)**
Max. vacuum	**N/A Pressure Only**



2685

Oil-less

Unit supplied with intake filter assembly and safety valve



2685 Series Flow Curve

PERFORMANCE DATA

	T14-0188	T14-0188
Model Number	2685PE40	2685PHI44
Head Configuration	Parallel pressure flow	Parallel pressure flow
Stroke	0.40 in. (10.2 mm)	0.44 in. (11.2 mm)
Nominal voltage input	115V 60Hz	220-240V 50Hz
Max. open air flow	3.8 cfm (107.6 l/min)	3.4 cfm (96.3 l/min)
Max. rated operating pressure	100 psig (6.9 bar)	100 psig (6.9 bar)
Current at rated pressure	5.7A	2.3A
Power at rated pressure	625W	500W
Max. pressure restart	100 psig (6.9 bar)	100 psig (6.9 bar)
Max. intermittent operating pressure	120 psig (8.3 bar)	120 psig (8.3 bar)
Max. vacuum	Not applicable	Not applicable
Max. vacuum restart	Not applicable	Not applicable

ELECTRICAL DATA

Motor type [Capacitor value]	P. S. C. [35 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	Brown (hot), blue (neutral), 18 AWG	Brown (hot), blue (neutral), 18 AWG
Capacitor lead wire color, gauge	Black, black, 18 AWG	Black, black, 18 AWG

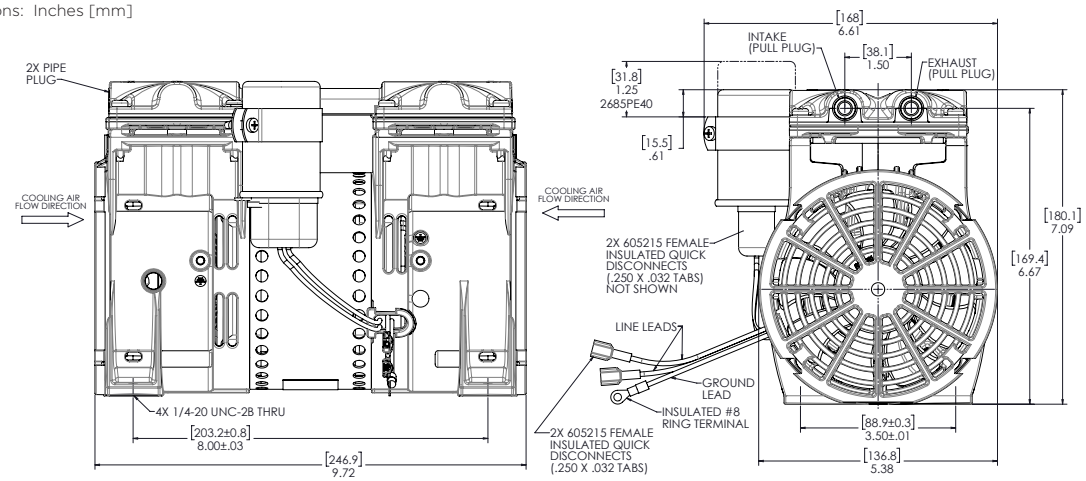
GENERAL DATA

Operaring ambient temperature	10 to 40 °C	10 to 40 °C
Safety Certification	CUR	EU Declaration of Incorporation upon request
Net weight	16.4 lbs (7.4 kg)	16.4 lbs (7.4 kg)
Field service repair kit part number	SK268540	SK268540

PRODUCT DIMENSIONS

2685PHI44

Dimensions: Inches [mm]



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE
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