

# 2380 SERIES

## FEATURES

- > Lightweight, compact design
- > cRUus or TUV approved (115/60/1 or 230/50/1)
- > RoHS and REACH compliant
- > Operate per EN 80601 standard (.38", .44" stroke)
- > Internal 9 blade cooling air flow fans
- > Conventional foot mount design
- > Extremely low vibration
- > Monolithic head
- > Wetted parts treated for corrosion resistance
- > Oil-less operation
- > Proven WOB-L technology
- > Easily serviced

Declaration documentation available upon request

## TYPICAL APPLICATIONS

- > O<sub>2</sub> Concentrator
- > Blood or Laboratory Analyzers
- > Respiratory Therapy Equipment
- > ENT Equipment
- > Dental Equipment
- > Packaging/Printing Equipment
- > Air Dryers



**WOB-L**

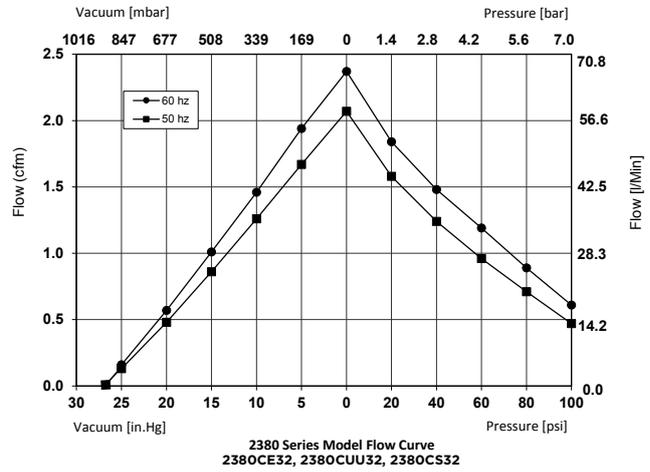
## BASE MODEL

- 2380CE32  
(115/60/1)
- 2380CUU32  
(230/50/1)
- 2380CS32  
(100/50/60/1)
- 2380CE38  
(115/60/1)
- 2380CUU38  
(230/50/1)
- 2380CE44  
(115/60/1)
- 2380CUU44  
(230/50/1)



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<b>Flow</b>	<b>2.3 cfm (65 l/min)</b>
<b>Max. pressure</b>	<b>100 psi (6.9 bar)</b>
<b>Max. vacuum</b>	<b>90% local barometer</b>



NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median values.

PERFORMANCE DATA	T16-0224	T16-0182	T16-0246
Model Number	2380CE32	2380CUU32	2380CS32
Head Configuration	Pressure/vacuum parallel flow	Pressure/vacuum parallel flow	Pressure/vacuum parallel flow
Stroke	0.32 in. (8.1 mm)	0.32 in. (8.1 mm)	0.32 in. (8.1 mm)
Nominal voltage input	115/60/1	230/50/1	100/50/60/1
Max. open air flow	2.3 cfm (65.1 l/min)	2.0 cfm (56.6 l/min)	2.0 cfm (56.6 l/min)/2.3 cfm (65.1 l/min)
Max. rated pressure	100 psi (6.9 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)
Current at rated pressure	3.0A	1.3A	2.9A/3.4A
Power at rated pressure	338W	290W	279W/336W
Speed at rated pressure	1666 rpm	1371 rpm	1377 rpm/1626 rpm
Max. pressure restart	Consult factory	Consult factory	Consult factory
Max. vacuum*	90% local barometer	90% local barometer	90% local barometer
Max. vacuum restart	Consult factory	Consult factory	Consult factory

\*Pump is capable for light duty vacuum. For vacuum only applications, see 2380B vacuum only models.

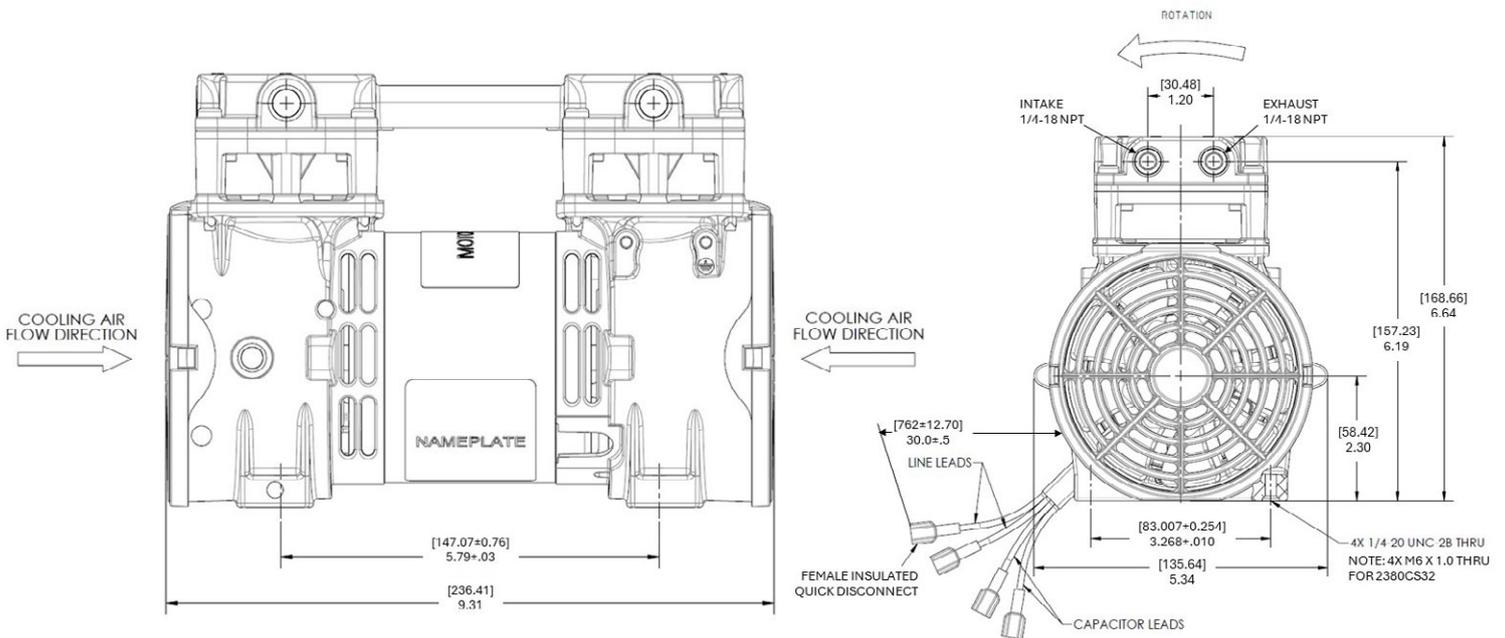
ELECTRICAL DATA			
Motor type (Capacitance)	P.S.C. [25 µF]	P.S.C. [10 µF]	P.S.C. [30 µF]
Motor locked rotor current	8.4A	3.8A	7.7A 50Hz/7.3A 60Hz
Motor insulation class	B	B	B
Thermal switch (Nominal Open temperature)	Yes [293°F (145°C)]	Yes [293°F (145°C)]	Yes [293°F (145°C)]
Lead wire color, gauge	Brown(hot), blue(neutral), 18 AWG	Brown(hot), blue(neutral), 18 AWG	Brown(hot), blue(neutral), 18 AWG
Capacitor lead wire color, gauge	Black, black, 18 AWG	Red, red, 18 AWG	Black, black, 18 AWG

GENERAL DATA			
Operating ambient temperature	50° to 104°F (10°C to 40°C)*	50° to 104°F (10°C to 40°C)*	50° to 104°F (10°C to 40°C)*
Safety Certification	cRUus	TUV	None
Net weight	12 lbs (5.44 kg)	12 lbs (5.44 kg)	12 lbs (5.44 kg)

\*Broader ambient operating ranges may be possible depending on your specific application. Please consult factory regarding your particular system needs.

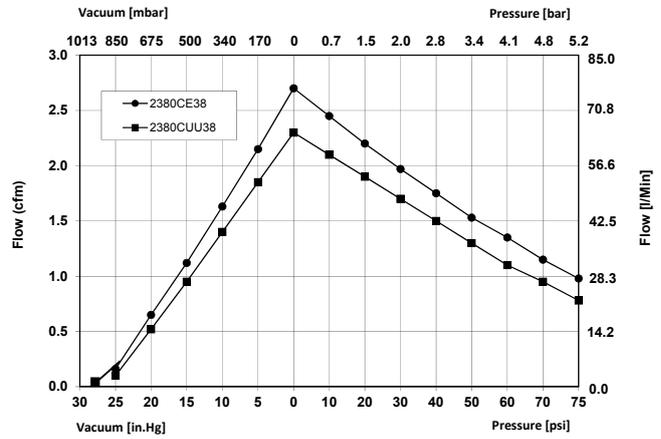
## PRODUCT DIMENSIONS

Dimensions in inches [mm]



# 2380 SERIES

<b>Flow</b>	<b>2.7 cfm (76.5 l/min)</b>
<b>Max. pressure</b>	<b>75 psi ( 5.2 bar)</b>
<b>Max. vacuum</b>	<b>91% local barometer</b>



NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median values.

PERFORMANCE DATA	T17-0120	T17-0113, T16-0185
Model Number	2380CE38	2380CU38
Head Configuration	Pressure/vacuum parallel flow	Pressure/vacuum parallel flow
Stroke	0.38 in. (9.7 mm)	0.38 in. (9.7 mm)
Nominal voltage input	115/60/1	230/50/1
Max. open air flow	2.7 cfm (76.5 l/min)	2.3 cfm (65.1 l/min)
Max. rated pressure	75 psi (5.2 bar)*	75 psi (5.2 bar)*
Current at rated pressure	3.2A	1.4A
Power at rated pressure	370W	325W
Speed at rated pressure	1635 rpm	1335 rpm
Max. pressure restart	Consult factory	Consult factory
Max. vacuum*	91% local barometer	91% local barometer
Max. vacuum restart	Consult factory	Consult factory

\*Max rated pressure note: For O<sub>2</sub> concentrator applications that operate per EN 80601 (-15%/+10% nominal voltage), the maximum rated pressure is 40 psi (2.8 bar).

\*\*Pump is capable for light duty vacuum For vacuum only applications, see 2380B vacuum only models

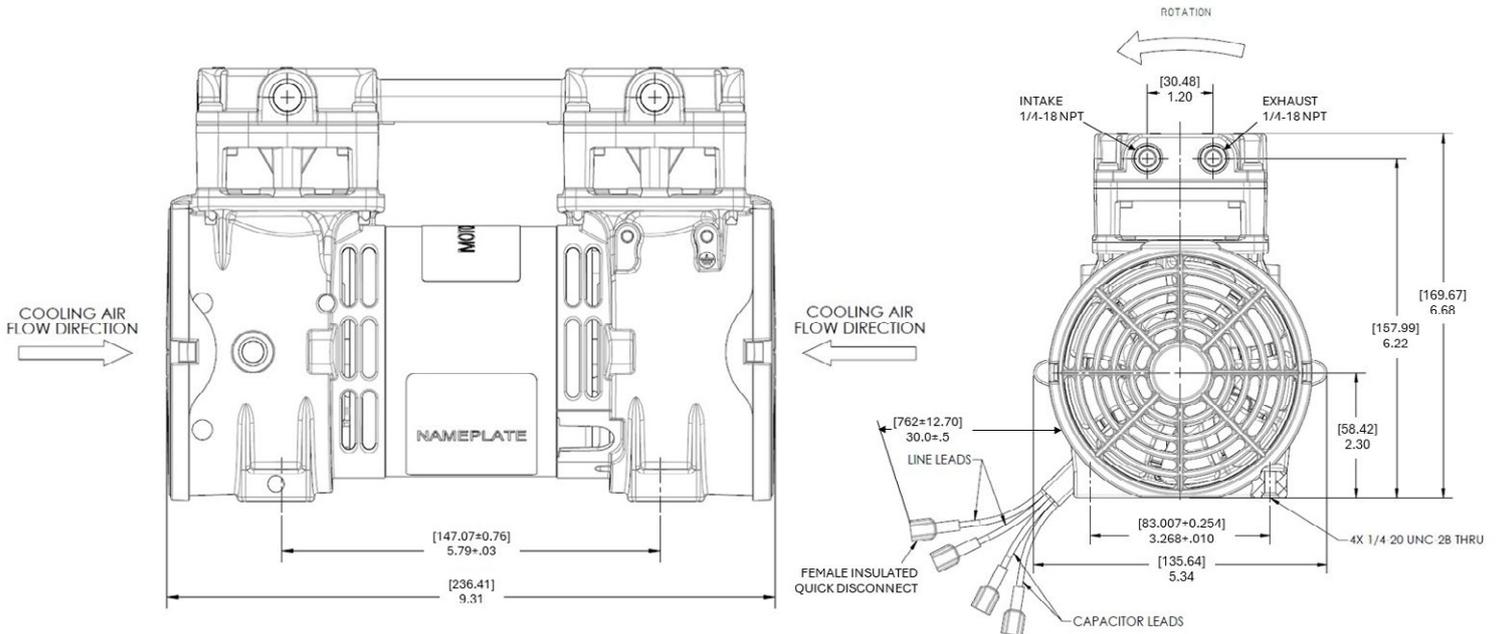
ELECTRICAL DATA		
Motor type (Capacitance)	P.S.C. [25 µF]	P.S.C. [12.5 µF]
Motor locked rotor current	8.4A	3.6A
Motor insulation class	B	B
Thermal switch (Nominal Open temperature)	Yes [293°F (145°C)]	Yes [293°F (145°C)]
Lead wire color, gauge	Brown(hot), blue(neutral), 18 AWG	Brown(hot), blue(neutral), 18 AWG
Capacitor lead wire color, gauge	Black, black, 18 AWG	Red, red, 18 AWG

GENERAL DATA		
Operating ambient temperature	50° to 104°F (10°C TO 40°C)*	50° to 104°F (10°C TO 40°C)*
Safety Certification	cRUus	TUV
Net weight	12 lbs (5.44 kg)	12 lbs (5.44 kg)

\*Broader ambient operating ranges may be possible depending on your specific application. Please consult factory regarding your particular system needs.

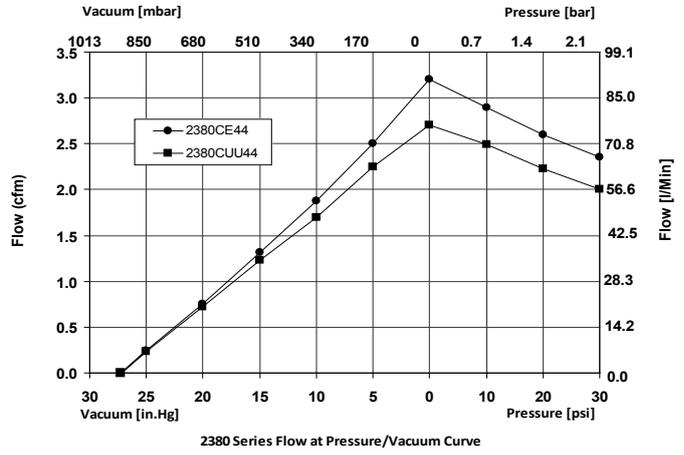
## PRODUCT DIMENSIONS

Dimensions in inches [mm]



# 2380 SERIES

<b>Flow</b>	<b>3.2 cfm (90.6 l/min)</b>
<b>Max. pressure</b>	<b>30 psi (2.0 bar)</b>
<b>Max. vacuum</b>	<b>92% local barometer</b>



NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median values.

PERFORMANCE DATA	T16-0453	T16-0364
Model Number	2380CE44	2380CUU44
Head Configuration	Pressure/vacuum parallel flow	Pressure/vacuum parallel flow
Stroke	0.44 in. (11.2 mm)	0.44 in. (11.2 mm)
Nominal voltage input	115/60/1	230/50/1
Max. open air flow	3.2 cfm (90.6 l/min)	2.7 cfm (76.5 l/min)
Max. rated pressure	40 psi (2.8 bar)*	40 psi (2.8 bar)*
Current at rated pressure	3.7A	1.6A
Power at rated pressure	421W	363W
Speed at rated pressure	1617 rpm	1318 rpm
Max. pressure restart	Consult factory	Consult factory
Max. vacuum*	92% local barometer	92% local barometer
Max. vacuum restart	Consult factory	Consult factory

\*Max rated pressure note: For O<sub>2</sub> concentrator applications that operate per EN 80601 (-15%/+10% nominal voltage), the maximum rated pressure is 30 psi (2.0 bar).

\*\*Pump is capable for light duty vacuum. For vacuum only applications, see 2380B vacuum only models.

ELECTRICAL DATA	T16-0453	T16-0364
Motor type (Capacitance)	P.S.C. [25 µF]	P.S.C. [12.5 µF]
Motor locked rotor current	8.4A	3.6A
Motor insulation class	B	B
Thermal switch (Nominal Open temperature)	Yes [293°F (145°C)]	Yes [293°F (145°C)]
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	Red, red, 18 AWG

GENERAL DATA	T16-0453	T16-0364
Operating ambient temperature	50° to 104°F (10°C TO 40°C)*	50° to 104°F (10°C TO 40°C)*
Safety Certification	cRUus	TUV
Net weight	12 lbs (5.44 kg)	12 lbs (5.44 kg)

\*Broader ambient operating ranges may be possible depending on your specific application. Please consult factory regarding your particular system needs.

## PRODUCT DIMENSIONS

Dimensions in inches [mm]

