

WOB-L[®] PISTON

Compressors and Vacuum Pumps

2750 Series

MODELS:

Standard models available.

2750CE50, 2750CGHI50

Other models based on availability and minimum purchase.

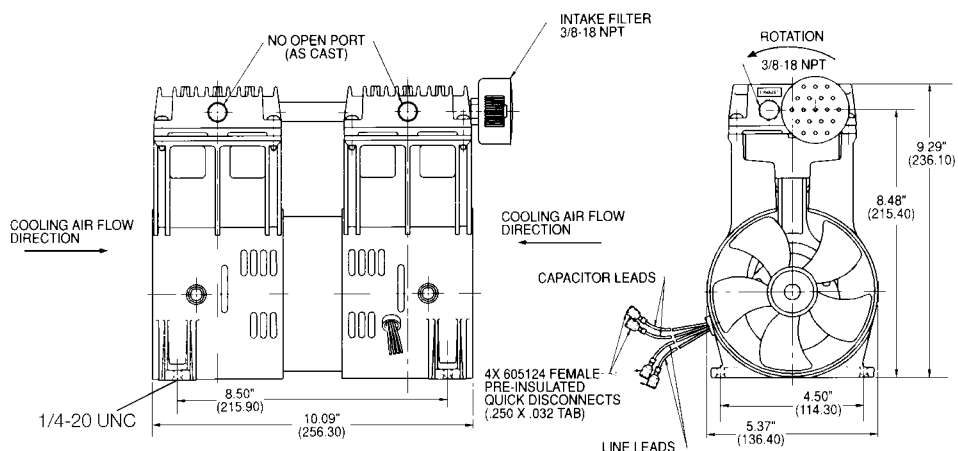
FEATURES:

- Two cylinder, in-line
- Oil-less, non-lube piston and cylinder
- Permanently lubricated bearings
- Stainless steel valves with Patented recessed inlet valve
- Long life, high performance Patented tapered piston seal
- Head design allows easily replaced piston seal
- Lightweight die cast aluminum components
- Thin wall, hard coated aluminum cylinder for maximum heat transfer
- Twin fans provide cooling air thru and around motor and cylinders
- 115 Volt, UL recognized motor and thermal protector
- Balanced for smooth, low vibration operation
- Field service capability
- Intake filter
- Capacitor
- All wetted aluminum parts treated for corrosion protection from moisture
- CE approved 220-240/50 hz standard models.
(Consult factory for non-standard & TUV approved models.)



Consult factory for custom applications

DIMENSIONS:

 Millimeters are in ()

ISO 9001
CERTIFIED

THOMAS[®]
COMPRESSORS
& VACUUM PUMPS

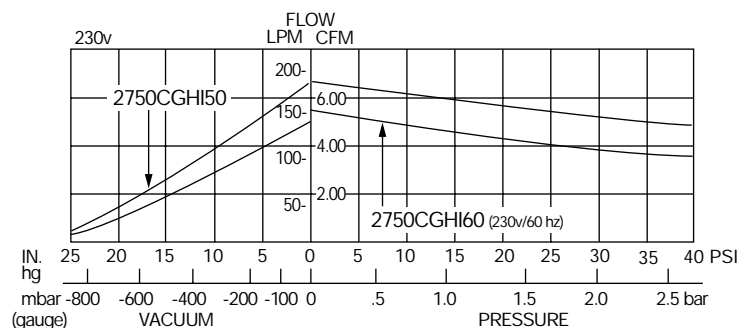
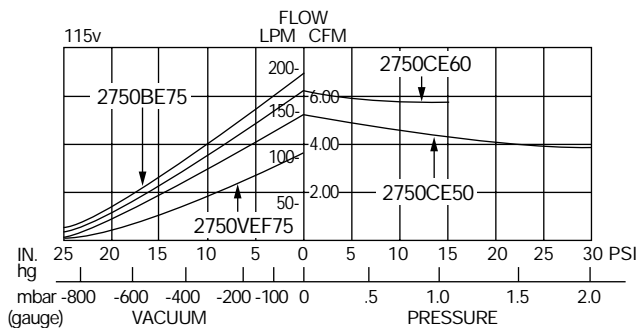
First Name in Innovation

2750 SERIES PERFORMANCE DATA:

		STANDARD							
MODEL NUMBER:		2750CE50		2750CE60		2750BE75		2750VEF75	
HEAD CONFIGURATION:		Pressure/Vacuum		Pressure/Vacuum		Vacuum Only		Vacuum Only	
STROKE:		.500 Inches		.600 Inches		.750 Inches		.750 Inches	
PRESSURE:		Flow @ 115v		Flow @ 115v					
CFM @ PSI	LPM @ bar								
PSI	bar	CFM	LPM	CFM	LPM				
0	0	5.4	151.5	6.2	175.3				
5	.5	5.1	140.9	6.1	168.2				
10	1.0	4.8	131.7	5.8	156.3				
15	1.5	4.6	121.8	5.5					
20	2.0	4.4	112.1						
25		4.2							
30		3.9							
MAX. CONTINUOUS PRESSURE:		30 PSI	2.1 bar	15 PSI	1.0 bar				
MAX. INTERMITTENT PRESSURE:		30 PSI	2.1 bar	15 PSI	1.0 bar				
VACUUM:		Flow @ 115v		Flow @ 115v		Flow @ 115v		Flow @ 110v/115v	
CFM @ IN. hg	LPM @ mbar (gauge)								
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	5.4	151.5	6.2	175.3	7.1	199.6	3.14/3.64	88.9/103.0
5	-100	3.7	123.1	4.5	146.2	6.3	186.6	2.65/3.06	80.7/93.3
10	-200	2.9	99.2	3.4	120.6	4.7	169.4	2.05/2.39	71.9/83.2
15	-400	1.9	71.0	2.4	85.5	3.2	117.2	1.48/1.70	52.1/60.5
20	-600	1.1	40.7	1.3	49.6	1.8	68.2	.90/1.07	32.9/38.4
25	-800	.2	11.3	.3	15.9	.5	23.8	.40/.47	15.2/17.9
MAX. VACUUM:		26" hg	-881 mbar	27" hg	-915 mbar	27" hg	-915 mbar	29.2" hg	-986 mbar
MAX. AMBIENT TEMPERATURE:		104°F	40°C	104°F	40°C	104°F	40°C	104° F	40°C
MIN. AMBIENT TEMPERATURE:		50°F	10°C	50°F	10°C	50°F	10°C	50° F	10°C
MAX. RESTART PRESSURE:		0 PSI	0 bar	0 PSI	0 bar				
MAX. RESTART VACUUM:		0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar
MOTOR VOLTAGE/FREQUENCY:		115/60/1		115/60/1		115/60/1		115/60/1 - 110/50/1	
HORSEPOWER:		1/3		1/3		1/3		1/3	
MOTOR TYPE:		PSC		PSC		PSC		PSC	
CURRENT AT RATED LOAD (AMPS):		4.61		4.22		3.25		4.1/3.2	
POWER AT RATED LOAD (WATTS):		513		460		370		290/330	
STARTING CURRENT (LOCKED ROTOR AMPS):		17.0		17.0		17.0		17.0	
INSULATION CLASS:		B		B		B		B	
MIN. FULL LOAD SPEED (RPM):		1690		1690		1730		1460/1750	
THERMAL PROTECTOR:		Yes		Yes		Yes		Yes	
CAPACITOR VALUE:		20 mfd		20 mfd		20 mfd		20 mfd	
NET WEIGHT:		20 lbs.	9 Kg	20 lbs.	9 Kg	20 lbs.	9 Kg	20 lbs.	9 Kg

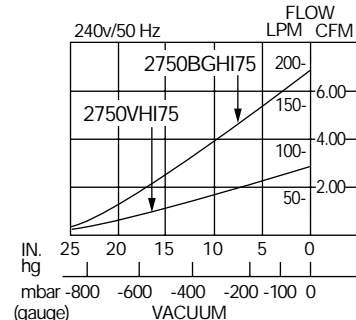
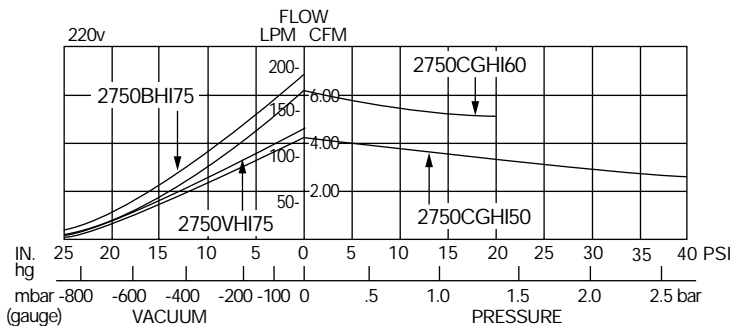
The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of Thomas products. It is the responsibility of the user to determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith. Thomas Industries does not warrant, guarantee or assume any obligation or liability in connection with this information.

Note: Models pictured are representative of the series and do not represent a specific model number. Consult factory for detailed physical description.



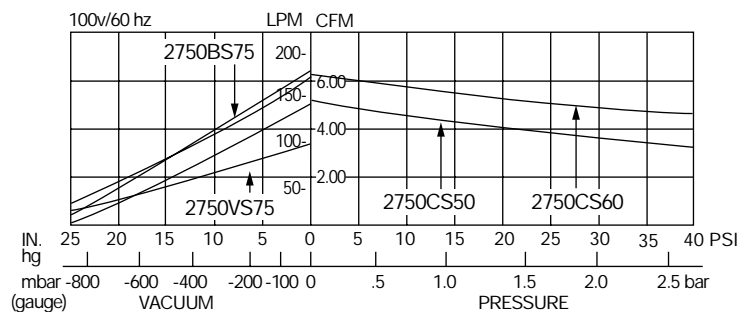
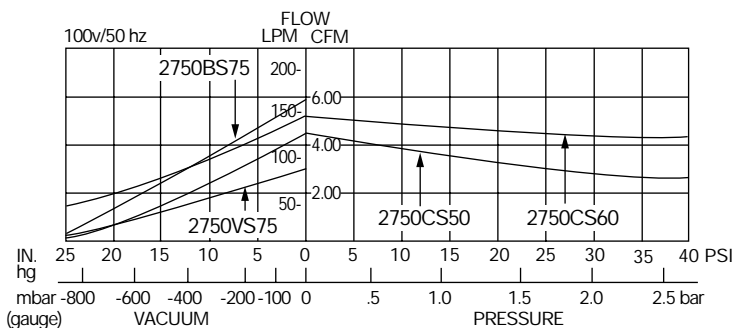
2750 SERIES PERFORMANCE DATA:

MODEL NUMBER:		2750THI48		STANDARD 2750CGHI50		2750CGHI60		2750BGHI75		2750VHI75	
HEAD CONFIGURATION:		Pressure Only		Pressure/Vacuum		Pressure/Vacuum		Vacuum Only		Vacuum Only	
STROKE:		.480 Inches		.500 Inches		.600 Inches		.750 Inches.		750 Inches	
PRESSURE:		Flow @ 220v/240v		Flow @ 220v/50hz- 230v/60hz		Flow @ 220v/50hz- 230v/60hz					
CFM @ PSI	LPM @ bar										
PSI	bar	CFM	LPM	CFM	LPM	CFM	LPM				
0	0	1.86/1.88	52.6/53.2	4.3/5.5	122.9/154.6	5.3/6.5	150.1/183.2				
20	.5	1.72/1.74	51.2/51.7	4.2/5.3	115.9/146.8	5.1/6.5	140.6/179.1				
40	1.0	1.58/1.60	49.7/50.3	4.0/5.0	108.2/136.1	4.8/6.2	130.8/166.5				
60	1.5	1.54/1.56	48.3/48.9	3.8/4.8	100.2/125.6	4.6/5.9	122.6/154.6				
80	2.0	1.49/1.50	46.9/47.4	3.6/4.5	92.5/115.1	4.4/5.6					
100	3.0	1.46/1.46	44.5/45.1	3.4/4.3	79.9/98.2						
120	5.0	1.42/1.42	42.7/43.1	3.2/4.0							
140	7.0	1.38/1.38	41.2/41.2	3.1/3.8							
160		1.34/1.35		2.9/3.6							
MAX. CONTINUOUS PRESSURE:		160 PSI	11 bar	30 PSI	2.1 bar	20 PSI	1.4 bar				
MAX. INTERMITTENT PRESSURE:		160 PSI	11 bar	40 PSI	2.8 bar	20 PSI	1.4 bar				
VACUUM:				Flow @ 220v/50hz- 230v/60hz		Flow @ 220v/50hz- 230v/60hz		Flow @ 220v/50hz- 230v/60hz		Flow @ 220v/240v	
CFM @ IN. hg	LPM @ mbar (gauge)										
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0			4.3/5.0	122.9/142.1	5.3/6.5	150.1/183.2	6.4/7.3	181.2/206.7	3.29/3.31	93.1/93.7
5	-100			3.1/4.3	101.8/130.1	4.2/5.2	131.7/161.3	5.2/5.8	161.1/181.6	2.69/2.71	83.1/83.6
10	-200			2.4/3.3	83.7/116.4	3.2/4.0	112.8/140.2	3.9/4.5	140.5/157.5	2.07/2.09	72.9/73.5
15	-400			1.6/2.2	59.7/81.7	2.2/2.8	80.3/101.2	2.7/3.1	98.1/113.0	1.47/1.49	52.4/53.0
20	-600			.9/1.3	34.4/48.2	1.3/1.7	48.4/62.3	1.5/1.6	57.9/64.6	.92/.92	33.1/33.4
25	-800			.1/1.4	9.8/17.0	.4/1.6	18.3/25.8	.2/.2	15.7/16.5	.38/.38	14.9/14.9
MAX. VACUUM:				27" hg	-915 mbar	27" hg	-915 mbar	27" hg	-915 mbar	28.8" hg	-975 mbar
MAX. AMBIENT TEMPERATURE:		104°F	40°C	104°F	40°C	104°F	40°C	104°F	40°C	104°F	40°C
MIN. AMBIENT TEMPERATURE:		50°F	10°C	50°F	10°C	50°F	10°C	50°F	10°C	50°F	10°C
MAX. RESTART PRESSURE:		0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar				
MAX. RESTART VACUUM:				0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar
MOTOR VOLTAGE/FREQUENCY:		220-240/50/1		220-240/50/1-230/60/1		220-240/50/1-230/60/1		220-240/50/1-230/60/1		220-240/50/1	
HORSEPOWER:		1/3		1/3		1/3		1/3		1/3	
MOTOR TYPE:		PSC		PSC		PSC		PSC		PSC	
CURRENT AT RATED LOAD (AMPS):		2.5/2.5		2.20/2.40		2.20/2.40		1.7/2.0		1.3/1.4	
POWER AT RATED LOAD (WATTS):		505/525		520/540		520/545		390/410		260/290	
STARTING CURRENT (LOCKED ROTOR AMPS):		8.7		8.7		8.7		8.7		8.7	
INSULATION CLASS:		B		B		B		B		B	
MIN. FULL LOAD SPEED (RPM):		1390/1410		1400/1675		1400/1675		1440/1700		1460/1465	
THERMAL PROTECTOR:		Yes		Yes		Yes		Yes		Yes	
CAPACITOR VALUE:		12.5 mfd		12.5 mfd		12.5 mfd		12.5 mfd		12.5 mfd	
NET WEIGHT:		21 lbs.	9.5 Kg	21 lbs.	9.5 Kg	21 lbs.	9.5 Kg	21 lbs.	9.5 Kg	21 lbs.	9.5 Kg



2750 SERIES PERFORMANCE DATA:

MODEL NUMBER:		2750CS50		2750CS60		2750BS75		2750VS75	
HEAD CONFIGURATION:		Pressure/Vacuum		Pressure/Vacuum		Vacuum Only		Vacuum Only	
STROKE:		.500 Inches		.600 Inches		.750 Inches		.750 Inches	
PRESSURE:		Flow @ 115v		Flow @ 115v					
CFM @ PSI	LPM @ bar								
PSI	bar	CFM	LPM	CFM	LPM				
0	0	4.4/5.3	125.4/149.5	5.3/6.2	149.2/176.7				
5	.5	4.3/5.1	117.8/140.2	5.1/6.1	142.6/169.1				
10	1.0	4.0/4.8	108.5/130.4	4.9/5.8	133.2/157.7				
15	1.5	3.8/4.6	100.1/120.2	4.7/5.5	123.5/146.4				
20	2.0	3.6/4.3	91.3/110.0	4.4/5.3	114.5/135.7				
25	3.0	3.4/4.1	77.0/90.7	4.2/5.0					
30		3.2/3.8							
35		3.0/3.6							
40		2.8/3.4							
MAX. CONTINUOUS PRESSURE:		30 PSI	2.1 bar	20 PSI	1.4 bar				
MAX. INTERMITTENT PRESSURE:		40 PSI	2.8 bar	25 PSI	1.7 bar				
VACUUM:		Flow @ 100v-50/60 hz		Flow @ 100v-50/60 hz		Flow @ 100v-50/60 hz		Flow @ 100v-50/60 hz	
CFM @ IN. hg	LPM @ mbar (gauge)								
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	4.4/5.3	125.4/149.5	5.3/6.2	149.2/176.7	5.9/6.5	166.2/184.1	3.07/3.45	86.9/97.6
5	-100	3.7/4.2	112.4/131.6	4.3/5.0	132.7/155.1	5.1/5.8	153.8/172.3	2.86/3.32	83.4/95.5
10	-200	2.7/3.9	98.7/117.7	3.2/3.7	115.8/133.9	3.8/4.4	138.6/157.0	2.21/2.59	77.6/90.2
15	-400	1.8/2.1	67.8/91.8	2.2/2.6	80.7/93.8	2.7/3.1	96.6/110.8	1.61/1.87	56.4/65.9
20	-600	.9/1.0	36.8/42.0	1.2/1.4	47.5/55.0	1.5/1.7	57.2/65.7	.95/1.13	35.4/41.5
25	-800	.1/1.1	9.0/10.4		15.4/15.9	.4/4	19.3/21.5	.45/.52	16.6/19.4
MAX. VACUUM:		27" hg	-915 mbar	27" hg	-915 mbar	27" hg	-915 mbar	29.2" hg	-986 mbar
MAX. AMBIENT TEMPERATURE:		104°F	40°C	104°F	40°C	104°F	40°C	104° F	40°C
MIN. AMBIENT TEMPERATURE:		50°F	10°C	50°F	10°C	50°F	10°C	50° F	10°C
MAX. RESTART PRESSURE:		0 PSI	0 bar	0 PSI	0 bar				
MAX. RESTART VACUUM:		0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar
MOTOR VOLTAGE/FREQUENCY:		100/50/60/1		100/50/60/1		100/50/60/1		100/50/60/1	
HORSEPOWER:		1/3		1/3		1/3		1/3	
MOTOR TYPE:		PSC		PSC		PSC		PSC	
CURRENT AT RATED LOAD (AMPS):		5.0/5.6		5.32/6.07		4.0/4.4		3.3/3.9	
POWER AT RATED LOAD (WATTS):		448/552		491/596		342/435		290/390	
STARTING CURRENT (LOCKED ROTOR AMPS):		19.7/18.7		19.7/18.7		19.7/18.7		19.7/18.7	
INSULATION CLASS:		B		B		B		B	
MIN. FULL LOAD SPEED (RPM):		1400/1700		1400/1700		1400/1700		1460/1750	
THERMAL PROTECTOR:		Yes		Yes		Yes		Yes	
CAPACITOR VALUE:		40 mfd		40 mfd		40 mfd		40 mfd	
NET WEIGHT:		21 lbs.	9.5 kg	21 lbs.	9.5 kg	21 lbs.	9.5 kg	21 lbs.	9.5 kg



THOMAS
COMPRESSORS
& VACUUM PUMPS

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