

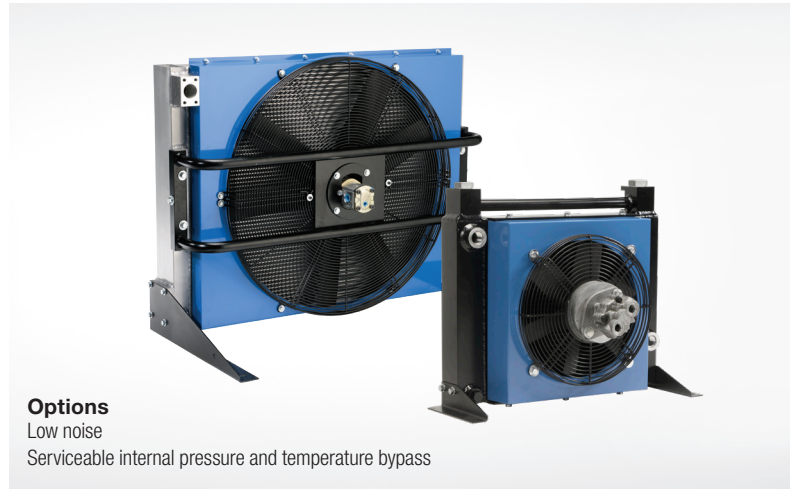
BOL/BOLR Series – Industrial Air Cooled Brazen Aluminum Coolers Series

BOL Series provides outstanding heat dissipation for extreme heat loads in a rugged, lightweight and compact design. Available with AC or hydraulic fan motors, all feature proven brazen aluminum bar and plate core technology engineered with an aggressive turbulator that produces ultra-high heat transfer.

TTP's exclusive TBar extruded tube cores are also available for high viscosity oil application to reduce pressure drop.

Available with two bypass options, either pressure bypass or temperature/pressure bypass. The internal bypass option eliminates extra piping reducing costs, and helps the cooler come out of bypass faster in cold start applications.

TTP's XSelector® sizing program can be used to help optimize the sizing of the cooler for better performance and value.



Options
 Low noise
 Serviceable internal pressure and temperature bypass

How to Order

Model Series

BOL
BOLR - Internal bypass included*
 *Not available in BOLR-2500/4000

Model Size Selected

8, 16, 30, 400, 550, 725, 825, 950, 1100, 1200, 1600, 1800, 2000, 2500, 4000
 (See Performance Curve Chart on page 2)

Connection Type

1 - NPT
2 - SAE*
3 - BSPP
 *1800 thru 4000 are SAE4-bolt flange

Bypass Setting**

Blank - No Bypass
25 - 25 PSI (1.7 Bar) Pressure Bypass
60 - 60 PSI (4.1 Bar) Pressure Bypass
110 - 110F/60 PSI (43C/4.1 Bar) Thermal/pressure relief bypass
 * This is a partial flow pressure bypass only. It is not designed to be a full flow system bypass.

Specify Motor Required

2 - Single Phase
3 - Three Phase
6 - 575V Three Phase
9 - Hydraulic
18 - IEC Three Phase
C - Core Only
0 - No Motor***

Core Type

Blank - Standard Brazen Aluminum
TB - Consult factory

Low Noise Option

Blank - Standard Configuration
LN - Low Noise Option
 (See LN Performance Curve Chart on page 3)

Features

Bar and plate brazen aluminum core technology

Provides the best heat transfer per given envelope size while minimizing pressure drop

Air-side fin design minimizes fouling and static pressure ensuring long-term, reliable performance

Welded fittings/ports and manifolds ensure structural integrity

Standard SAE ports – NPT & BSPP available

Customized units are available to meet your OE specific performance requirements

Optional internal pressure and temperature/pressure bypass

Low noise versions offer reduced speed motors for lower dBA levels

Ratings

Maximum Operating Pressure
 250 PSI (17 BAR)

Maximum Operating Temperature
 300°F (150°C)

Heat Rejection
 5 HP(4kW) to 550 HP (415 kW)

Flow Rates
 2 GPM (4 lpm) to 360 GPM (790 lpm)

Fluid Compatibility

Petroleum/Mineral Oils
Oil/Water Emulsion

Water/Ethylene Glycol

Materials

Mounting Feet Steel

Core Aluminum

Fanguard Steel

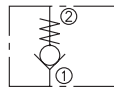
Connectors Aluminum

Fan Aluminum Hub, Plastic Blades

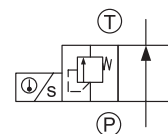
Shroud Steel

Motor TEFC & IEC

Internal Bypass Options



Pressure Bypass



Temperature Controlled Bypass with Integrated Pressure Relief

* To register for XSelector® please go to www.thermaltransfer.com/get-in-touch/ and complete the XSelector® Inquiry form and submit.

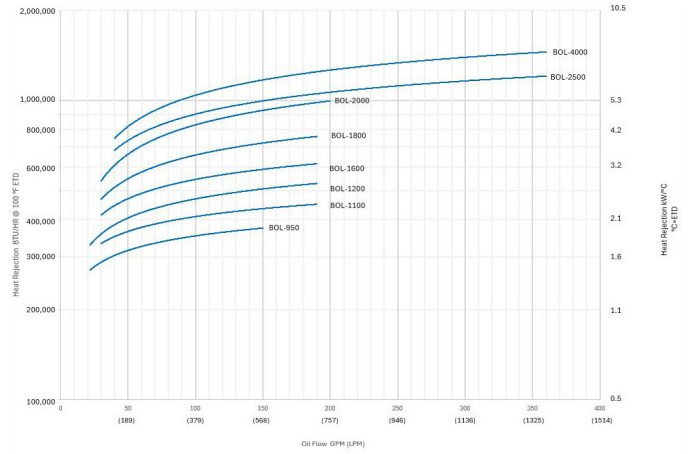
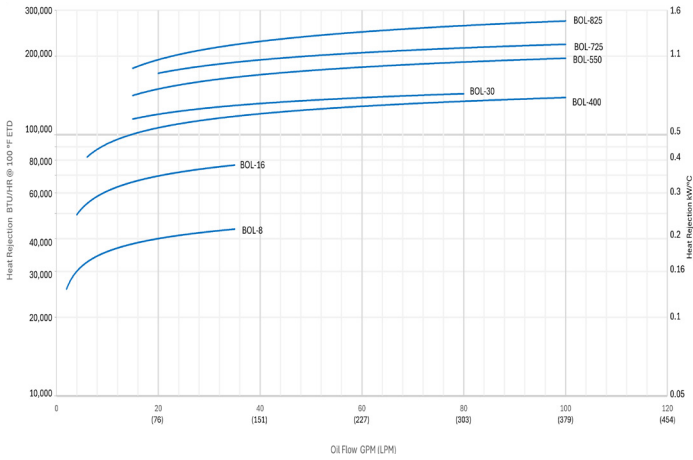
Download the XSelector® for both Apple and Android formats by searching for XSelector® in their App Stores. You must first register for XSelector® before using it on mobile devices.

*** 0 - No Motor option includes NEMA mounting and fan compatible component. For IEC version, please contact factory

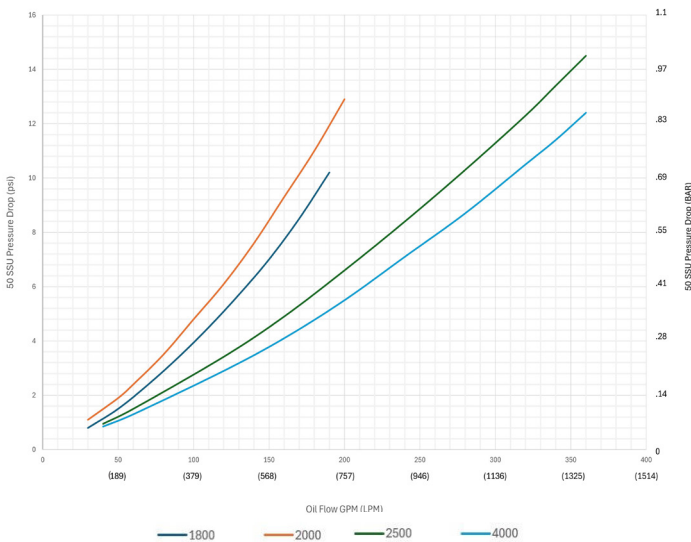
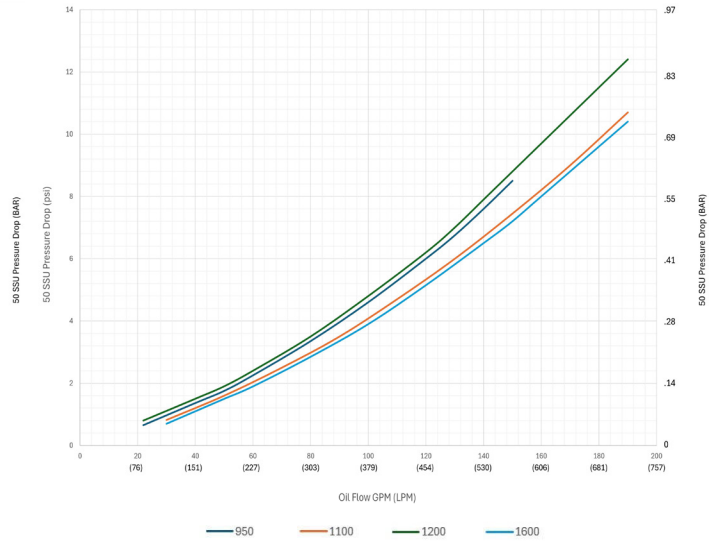
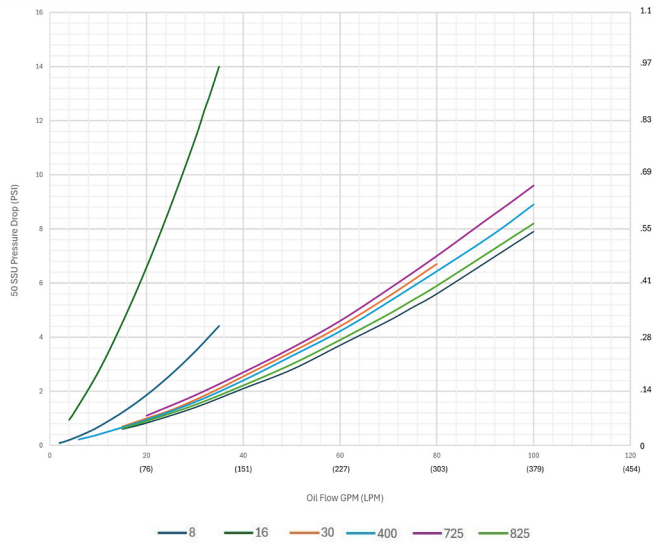
Performance Curves

For additional sizing information consider using TTP's **XSelector®** online sizing Program.*

BOL/BOLR Models with Standard P-BAR Core Performance



BOL/BOLR Models with Standard P-BAR Core Pressure Drop



Note: Derate heat rejection values 15% if using 50 HZ motors.

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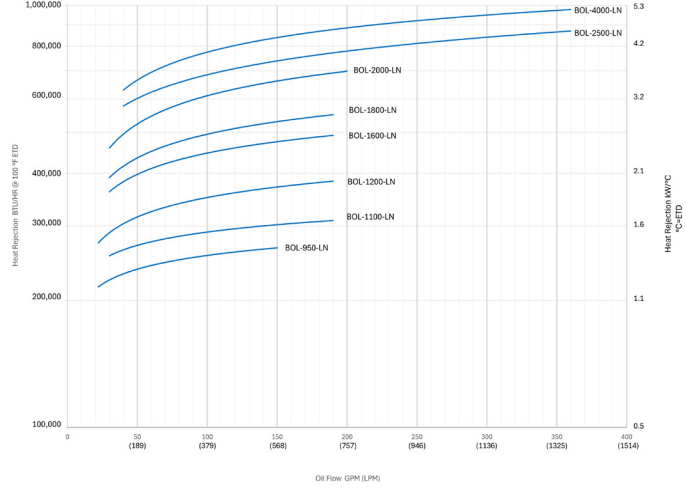
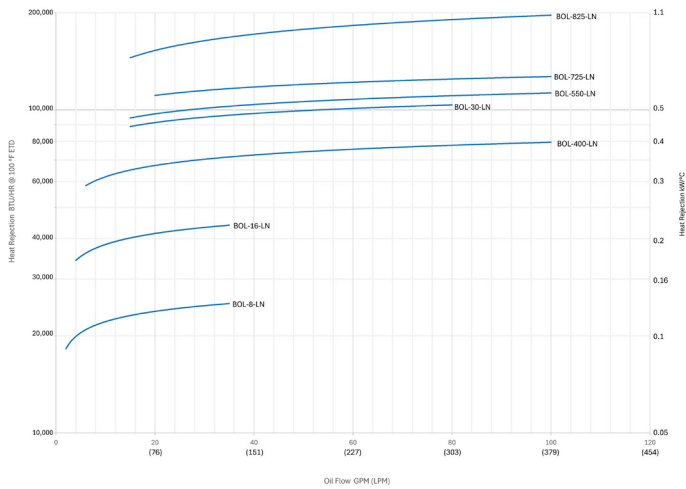
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Performance Curves

For additional sizing information consider using TTP's **XSelector®** online sizing Program.*

BOL Models with Low-Noise Option

The low noise option offers the BOL models with a reduced motor speed. This allows a lower sound level output for noise-sensitive applications.



Available on 60 HZ Nema frame only.

LN (Low Noise) Information (60 HZ Nema Frame)

Note: Derate heat rejection values 15% if using 50 HZ motors.

Model	CMM	CFM	Motor HP	Voltage	Phase	Full Load Amps 230V	RPM	Frame	Sound dB(A) at 3 FT
BOL-8	22.65	800	1/3	115/230	1	3.0	3450	48C	80
	22.65	800	1/3	208-230/460	3	1.4	3450	48C	80
BOL-16	40.35	1425	1/2	115/230	1	3.7	3450	48C	85
	40.35	1425	1/2	208-230/460	3	2.2	3450	48C	85
BOL-30	62.29	2200	1/2	115/230	1	3.7	1725	56C	85
	62.29	2200	1/2	208-230/460	3	2.0	1725	56C	85
BOL-400	62.29	2200	1	115/230	1	6.0	3450	56C	97
	62.29	2200	1	208-230/460	3	3.2	3450	56C	97
BOL-550	CF	CF	CF	CF	CF	CF	CF	CF	CF
BOL-725	101.94	3600	1-1/2	115/230	1	8.5	3450	56C	100
	101.94	3600	1-1/2	208-230/460	3	4.8	3450	56C	100
BOL-825	CF	CF	CF	CF	CF	CF	CF	CF	Cf
BOL-950	133.10	4700	1-1/2	115/230	1	8.6	1725	145TC	92
	133.10	4700	1-1/2	208-230/460	3	4.6	1725	145TC	92
BOL-1100	CF	CF	CF	CF	CF	CF	CF	CF	Cf
BOL-1200	198.22	7000	5	230	1	23	1740	184TC	92
	198.22	7000	3	208-230/460	3	8.8	1725	182TC	94
BOL-1600	223.75	7900	5	208-230/460	3	13.4	1725	184TC	96
BOL-1800	CF	CF	CF	CF	CF	CF	CF	CF	CF
BOL-2000	396.44	14000	7.5	230/460	3	24.8	1725	213TC	98
BOL-2500	CF	CF	CF	CF	CF	CF	CF	CF	CF
BOL-4000	CF	CF	CF	CF	CF	CF	CF	CF	CF

Low noise ratings are lab tested in a 1/4 spherical pattern. Additional nearby objects can increase the sound level.

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Specifications

Standard BOL (60 HZ Nema Frame)

Model	CMM	CFM	Motor HP	Voltage	Phase	Full Load Amps 230V	RPM	Frame	Sound dB(A) at 3 FT
BOL-8	22.65	800	1/3	115/230	1	3.0	3450	48C	80
	22.65	800	1/3	208-230/460	3	1.4	3450	48C	80
BOL-16	40.35	1425	1/2	115/230	1	3.7	3450	48C	85
	40.35	1425	1/2	208-230/460	3	2.2	3450	48C	85
BOL-30	62.29	2200	1/2	115/230	1	3.7	1725	56C	85
	62.29	2200	1/2	208-230/460	3	2.0	1725	56C	85
BOL-400	62.29	2200	1	115/230	1	6.0	3450	56C	97
	62.29	2200	1	208-230/460	3	3.2	3450	56C	97
BOL-550	90	3175	1 1/2	208-230/460	3	1.9/3.8	3450	56C	100
				115/230	1	8.0/16.0			
BOL-725	101.94	3600	1-1/2	115/230	1	8.5	3450	56C	100
	101.94	3600	1-1/2	208-230/460	3	4.8	3450	56C	100
BOL-825	130	4600	3	208-230/460	3	4.2/8.4	1760	143TC	87
BOL-950	133.10	4700	1-1/2	115/230	1	8.6	1725	145TC	92
	133.10	4700	1-1/2	208-230/460	3	4.6	1725	145TC	92
BOL-1100	163	5750	3	208-230/460	3	4.2/8.4	1760	182TC	86
BOL-1200	198.22	7000	5	230	1	23	1740	184TC	92
	198.22	7000	3	208-230/460	3	8.8	1725	182TC	94
BOL-1600	223.75	7900	5	208-230/460	3	13.4	1725	184TC	96
BOL-1800	289	10225	7.5	208-230/460	3	9.5/19	1760	213TC	93
BOL-2000	396.44	14000	7.5	230/460	3	24.8	1725	213TC	98
BOL-2500	453	16000	10	208-230/460	3	12.5/25	1760	213TC	103
BOL-4000	538	19000	10	208-230/460	3	12.5/25	1760	213TC	105

Electric Motor Information (50 HZ IEC Frame)

Model	CMM	CFM	KW	Voltage	Phase	Full Load Amps 230 V	RPM	Frame	Sound dBa at 3 FT
BOL-8	18.9	667	.25	230/400/415	3	50 HZ	3000	63	71
BOL-16	33.7	1188	.37	230/400/415	3	50 HZ	3000	71	77
BOL-30	52.4	1850	.37	230/400/415	3	50 HZ	1500	71	73
BOL-400	52.4	1850	.75	230/400/415	3	50 HZ	3000	80	81
BOL-550	CF	CF	CF	230/400/415	3	CF	3000	CF	CF
BOL-725	85.0	3000	1.10	230/400/415	3	50 HZ	3000	80	80
BOL-825	CF	CF	CF	230/400/415	3	CF	1500	CF	CF
BOL-950	108.2	3821	1.50	230/400/415	3	50 HZ	1500	90	78
BOL-1100	CF	CF	CF	230/400/415	3	CF	1500	CF	CF
BOL-1200	165.1	5834	2.20	230/400/415	3	50 HZ	1500	100	83
BOL-1600	186.4	6584	3.00	230/400/415	3	50 HZ	1500	100	85
BOL-1800	CF	CF	CF	230/400/415	3	CF	1500	CF	CF
BOL-2000	331.3	11700	4.00	230/400/415	3	50 HZ	1500	112	88
BOL-2500	CF	CF	CF	230/400/415	3	CF	1500	CF	CF
BOL-4000	CF	CF	CF	230/400/415	3	CF	1500	CF	CF

Hydraulic Motor Information

Model	Oil Flow Required GPM (LPM)	Min. Pressure Required PSI (BAR)	Motor IN3/REV (CM3/REV) Displacement	Sound dB(A) at 3 FT
BOL-8	3.3 (12.49)	175 (12.1)	0.22 (3.6)	80
BOL-16	3.3 (12.49)	275 (17.9)	0.22 (3.6)	85
BOL-30	3.4 (12.87)	275 (17.9)	0.45 (7.3)	85
BOL-400	3.3 (12.49)	520 (35.9)	0.22 (3.6)	97
BOL-550	3.3 (12.5)	675 (46.6)	.22 CUIN (3.6)	100
BOL-725	3.3 (12.49)	675 (46.50)	0.22 (3.6)	100
BOL-825	10.1 (38.3)	300 (20.7)	1.4 CUIN (22.9)	87
BOL-950	10.1 (38.23)	300 (20.70)	1.4 (22.9)	92
BOL-1100	10.1 (38.3)	725 (50)	1.4 CUIN (22.9)	86
BOL-1200	10.1 (38.23)	725 (50.00)	1.4 (22.9)	94
BOL-1600	10.1 (38.23)	1100 (75.80)	1.4 (22.9)	96
BOL-1800	10.1 (38.3)	1650 (113.8)	1.4 CUIN (22.9)	93
BOL-2000	10.1 (38.23)	1650 (113.76)	1.4 (22.9)	98
BOL-2500	10.1 (38.3)	1650 (113.8)	1.4 CUIN (22.9)	103
BOL-4000	10.1 (38.3)	2000 (137.9)	10.1 (38.3)	105

For 575 Volt motor data please consult the factory

Selection Procedure

STEP 1 Determine Heat Load. Typical application, size cooler for 1/3 of the input horsepower. Heat load may be expressed as either Horsepower or BTU/HR or KW/°C.

$$HP = \text{BTU/HR} \div 2545$$

$$KW = HP \times .745$$

$$\text{BTU/HR} = HP \times 2545$$

STEP 2 Determine Entering Temperature Difference.
(Actual ETD)

$$\text{ETD} = \text{Entering oil temperature} - \text{Entering Ambient air temperature}$$

The entering oil temperature is generally the maximum desired system oil temperature.

Entering air temperature is the highest Ambient Air temperature the application will see.

STEP 3 Determine the Corrected Heat Dissipation to use the Curves

ENGLISH Version

$$\text{Corrected Heat Rejection} = \frac{\text{Heat Load (BTU/HR)}}{\text{Desired ETD}} \times \frac{100^\circ\text{F}}{100^\circ\text{F}}$$

(BTU/HR) to use with selection chart

STEP 4 Select Model From Curves Enter the Performance Curves at the bottom with the GPM oil flow and proceed upward to the adjusted Heat Rejection from Step 3. Any Model or Curve on or above this point will meet these conditions.

STEP 5 Calculate Oil Pressure Drop Find the oil pressure drop correction factor and multiply it by the Oil Pressure Drop found on performance curve.

Listed Performance Curves are based on:

- 50 SSU (11 cSt) oil
- 100°F (55.56°C) Entering Temperature Difference (ETD)

If your application conditions are different, then continue with the selection procedure.

Oil Temperature

Typical operating temperature ranges are:

Hydraulic Motor Oil	120°F - 180°F (49°C - 82.2°C)
Hydrostatic Drive Oil	160°F - 180°F (71°C - 82.2°C)
Engine Lube Oil	180°F - 200°F (82.2°C - 93.3°C)
Automatic Transmission Fluid	200°F - 300°F (93.3°C - 149°C)

Desired Reservoir Temperature

Oil Temperature: Oil coolers can be selected using entering or leaving oil temperatures.

Off-Line Recirculation Cooling Loop: Desired reservoir temperature is the oil temperature entering the cooler.

Return Line Cooling: Desired reservoir temperature is the oil temperature leaving the cooler. In this case, the oil temperature change must be determined so that the actual oil entering temperature can be found. Calculate the oil temperature change (oil ΔT) with this formula:

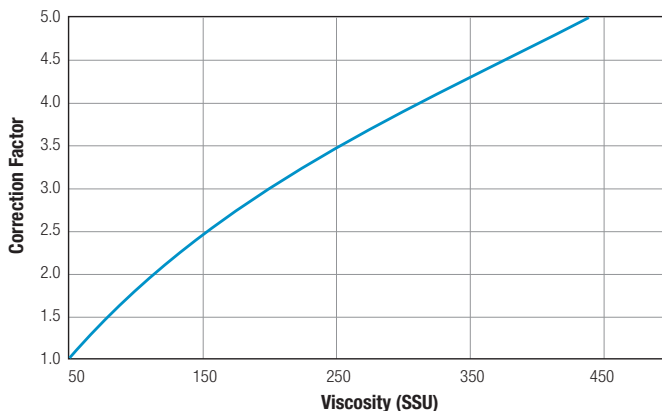
$$\text{Oil } \Delta T = (\text{BTU's/HR}) / (\text{GPM Oil Flow} \times 210).$$

To calculate the oil entering temperature to the cooler, use this formula:

$$\text{Oil Entering Temp.} = \text{Oil Leaving Temp.} + \text{Oil } \Delta T.$$

Oil Pressure Drop: Most systems can tolerate a pressure drop through the heat exchanger of 20 to 30 PSI. Excessive pressure drop should be avoided. Care should be taken to limit pressure drop to 5 PSI or less for case drain applications where high back pressure may damage the pump shaft seals.

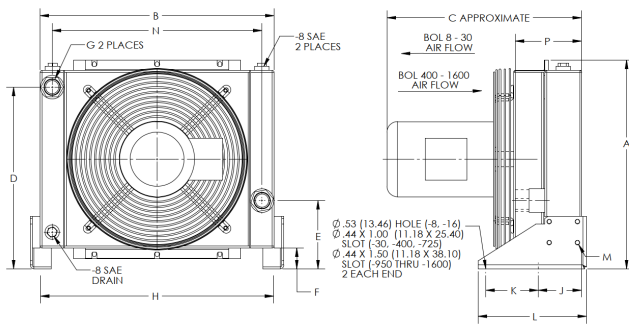
Pressure Drop



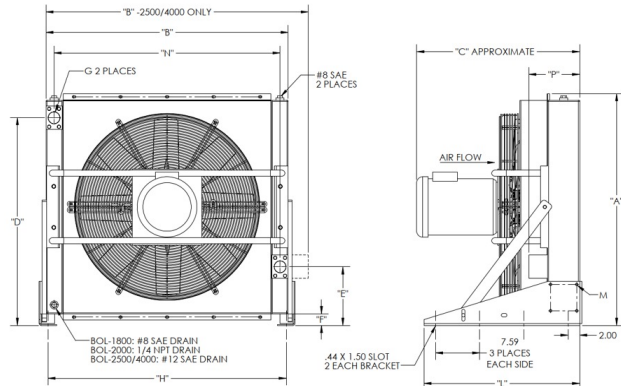
Dimensions

For 3D models and spec sheets visit the BOL product page on our website.
<https://www.thermaltransfer.com/product/bol-series>

BOL-8 through BOL-1600



BOL-1800 through 4000



BOL Dimensions

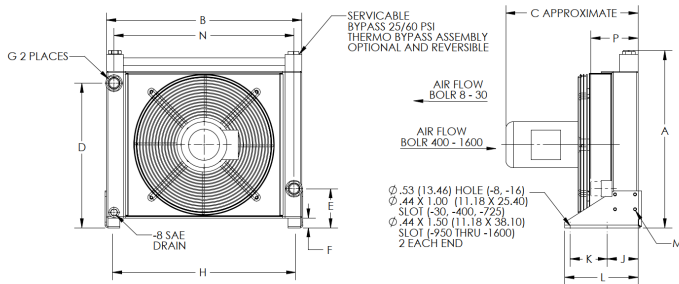
MODEL	A	B	C APPROX.	D	E	F	G	H	J	K	L	M	N	P	APPROX SHIP WEIGHT
BOL-8	13.13 (334)	15.81 (402)	15.94 (405)	11.34 (288)	4.51 (115)	0.57 (14)	-12 1 1/16-12	14.44 (361)	3.36 (85)	3.74 (95)	7.87 (200)	M8 BOLT (4PL)	13.99 (355)	3.63 (92)	45 (20.4)
BOL-16	16.91 (429)	19.69 (500)	16.43 (417)	15.06 (383)	4.51 (115)	0.57 (14)	-12 1 1/16-12	18.31 (465)	3.35 (85)	3.74 (95)	7.87 (200)	M8 BOLT (4PL)	17.95 (456)	3.63 (92)	55 (24.94)
BOL-30	21.46 (545)	26.38 (670)	17.88 (454)	19.49 (495)	5.26 (134)	1.32 (34)	-20 1 5/8-12	24.74 (628)	4.63 (117)	5.00 (127)	10.38 (264)	M8 BOLT (8PL)	24.34 (618)	5.00 (127)	125 (56.70)
BOL-400	19.91 (506)	22.38 (568)	18.6 (472)	17.31 (440)	6.50 (165)	2.00 (51)	-20 1 5/8-12	22.23 (564)	4.63 (117)	5.00 (127)	10.38 (264)	M10 BOLT (8PL)	20.07 (510)	5.00 (127)	148 (67.13)
BOL-550	25.13 (638.3)	24.88 (632.0)	18.89 (479.8)	22.43 (569.7)	6.5 (165.1)	2 (50.8)	-20 1 5/8-12	24.74 (628.4)	4.63 (117.6)	5 (127)	10.38 (263.7)	M10 BOLT (8PL)	22.58 (573.5)	5 (127)	160 (72.6)
BOL-725	24.32 (618)	30.25 (768)	17.56 (446)	21.62 (549)	6.50 (165)	2.00 (51)	-20 1 5/8-12	30.11 (765)	4.63 (117)	5.00 (127)	10.38 (264)	M10 BOLT (8PL)	27.95 (710)	5.00 (127)	170 (77.11)
BOL-825	26.99 (685.5)	28.81 (731.8)	23.55 (598.2)	24.29 (617.0)	6.5 (165.1)	2 (50.8)	-20 1 5/8-12	28.67 (728.2)	6.42 (163.1)	9.2 (233.7)	16.37 (415.8)	M10 BOLT (8PL)	26.51 (673.4)	5 (127)	215 (97.5)
BOL-950	28.65 (728)	37.01 (940)	22.68 (576)	24.55 (624)	9.50 (241)	2.00 (51)		35.87 (911)	6.42 (163)	9.20 (234)	16.37 (416)	M10 BOLT (8PL)	34.26 9870)	7.00 (178)	300 (136.08)
BOL-1100	31.29 (794.8)	35.05 (890.3)	27.09 (688.1)	27.19 (690.6)	6.1 (154.94)	2 (50.8)		33.91 (861.3)	6.42 (163.1)	9.2 (233.7)	16.37 (415.8)	M10 BOLT (8PL)	32.25 (819.2)	8.75 (222.3)	340 (154.2)
BOL-1200	28.97 (736)	40.98 (1041)	24.05 (611)	24.55 (624)	5.50 (140)	2.00 (51)		40.29 (1023)	6.42 (163)	9.20 (234)	16.37 (416)	M10 BOLT (8PL)	38.18 (970)	8.75 (222)	430 (195.04)
BOL-1800	39.5 (1003.3)	41.66 (1058.2)	28 (711.2)	35.4 (899.2)	10 (254)	2 (50.8)		40.98 (1040.9)	2 (50.8)	7.59 (192.8)	26.76 (679.7)	M10 BOLT (8PL)	38.86 (987.0)	8.75 (222.3)	555 (251.7)
BOL-2000	39.61 (1006)	50.8 (1289.0)	26.8 (680.0)	35.3 (897.0)	10 (254)	2 (50.8)		50.2 (1274.0)	2 (50.8)	7.6 (193)	26.8 (680.0)	M10 BOLT (8PL)	48.1 (1220.0)	8.8 (222.5)	582.0 (264.0)
BOL-2500	48.06 (1220.7)	47.53 (1207.3)	30.08 (764.0)	42.96 (1091.2)	11.5 (292.1)	2 (50.8)	3" SAE 4 BOLT FLANGE	46.85 (1190.0)	2 (50.8)	7.59 (192.8)	26.76 (679.7)	M10 BOLT (8PL)	51.73 (1313.9)	9.77 (248.2)	670 (303.9)
BOL-4000	60.93 (1547.6)	51.72 (1313.7)	30.08 (764.0)	55.76 (1416.3)	11.57 (293.9)	2.07 (52.6)	3" SAE 4 BOLT FLANGE	51.33 (1303.8)	2 (50.8)	7.59 (192.8)	26.76 (679.7)	M10 BOLT (8PL)	55.92 (1420.4)	9.77 (248.2)	830 (376.4)

Note: We reserve the right to make reasonable design changes without notice. All dimensions are in inches (millimeters) unless otherwise noted.

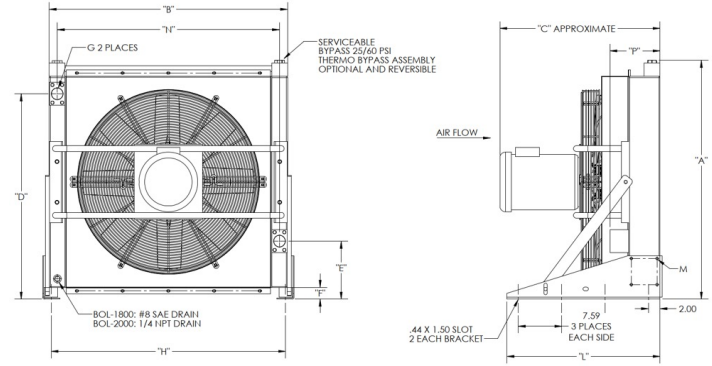
Dimensions with Internal Pressure Bypass

For 3D models and spec sheets visit the BOL product page on our website.
<https://www.thermaltransfer.com/product/bol-series>

BOLR-8 – BOLR-1600



BOLR-1800/2000



BOLR Dimensions

	OVERALL HEIGHT	OVERALL WIDTH OF CORE AND TANKS ASSY	OVERALL DEPTH	BOTTOM OF FOOT BRACKET TO TOP PORT CENTER	BOTTOM OF FOOT BRACKET TO BOTTOM PORT CENTER	BOTTOM OF FOOT BRACKET TO BOTTOM OF CORE	SAE CONN SIZE & STYLE	CTC OF FOOT	FRONT OF FOOT BRACKET TO FIRST SLOT CENTER	SPACING B/W SLOTS OF FOOT	FOOT BRACKET DEPTH	HW CALLOUT FOOT	CTC PORTS ACROSS CORE	FRONT OF CORE TO FACE OF PORTS (SAE ONLY)	APPROX SHIP WEIGHT
MODEL	A	B	C APPROX.	D	E	F	G	H	J	K	L	M	N	P	APPROX SHIP WEIGHT
BOL-8	15.58 (396)	15.81 (402)	15.94 (405)	11.34 (288)	4.51 (115)	0.57 (14)	-12 1 1/16-12	14.44 (361)	3.36 (85)	3.74 (95)	7.87 (200)	M8 Bolt (4PL)	13.99 (355)	3.63 (92)	60 (27.22)
BOL-16	19.35 (492)	19.69 (500)	16.43 (417)	15.06 (383)	4.51 (115)	0.57 (14)	-12 1 1/16-12	18.31 (465)	3.35 (85)	3.74 (95)	7.87 (200)	M8 Bolt (4PL)	17.95 (456)	3.63 (92)	70 (31.75)
BOL-30	23.90 (607)	26.38 (670)	17.88 (454)	19.49 (495)	5.26 (134)	1.32 (340)	-20 1 5/8-12	24.74 (628)	4.63 (117)	5.00 (127)	10.38 (264)	M8 Bolt (8PL)	24.34 (618)	5.00 (127)	140 (63.50)
BOL-400	21.73 (552)	22.38 (568)	18.6 (472)	17.31 (440)	6.50 (165)	2.00 (51)	-20 1 5/8-12	22.23 (564)	4.63 (117)	5.00 (127)	10.38 (264)	M10 Bolt (8PL)	20.07 (510)	5.00 (127)	162 (73.48)
BOL-550	26.81 (681.0)	24.88 (632.0)	18.89 (479.8)	22.43 (569.7)	6.5 (165.1)	2 (50.8)	-20 1 5/8-12	24.74 (628.4)	4.63 (117.6)	5 (127)	10.38 (263.7)	M10 BOLT (8PL)	22.58 (573.5)	5 (127)	160 (72.6)
BOL-725	26.06 (662)	30.25 (768)	17.56 (446)	21.62 (549)	6.50 (165)	2.00 (51)	-20 1 5/8-12	30.11 (765)	4.63 (117)	5.00 (127)	10.38 (264)	M10 Bolt (8PL)	27.95 (710)	5.00 (127)	185 (83.92)
BOL-825	28.67 (728.2)	28.81 (731.8)	23.55 (598.2)	24.29 (617.0)	6.5 (165.1)	2 (50.8)	-20 1 5/8-12	28.67 (728.2)	6.42 (163.1)	9.2 (233.7)	16.37 (415.8)	M10 BOLT (8PL)	26.51 (673.4)	5 (127)	215 (97.5)
BOL-950	30.39 (772)	37.01 (940)	22.68 (576)	24.55 (624)	9.50 (241)	2.00 (51)	2" SAE 4 BOLT FLANGE	35.87 (911)	6.42 (163)	9.20 (234)	16.37 (416)	M10 Bolt (8PL)	34.26 (987.0)	7.00 (178)	315 (142.88)
BOL-1100	32.97 (837.4)	35.05 (890.3)	27.09 (688.1)	27.19 (690.6)	6.1 (154.94)	2 (50.8)		33.91 (861.3)	6.42 (163.1)	9.2 (233.7)	16.37 (415.8)	M10 BOLT (8PL)	32.25 (819.2)	8.75 (222.3)	340 (154.2)
BOL-1200	30.39 (772)	40.98 (1041)	24.05 (611)	24.55 (624)	5.50 (140)	2.00 (51)		40.29 (1023)	6.42 (163)	9.20 (234)	16.37 (416)	M10 Bolt (8PL)	38.18 (970)	8.75 (222)	445 (201.85)
BOL-1800	41.18 (1045.972)	41.66 (1058.2)	28 (711.2)	35.4 (899.2)	10 (254)	2 (50.8)	2" SAE 4 BOLT FLANGE	40.98 (1040.9)	2 (50.8)	7.59 (192.8)	26.76 (679.7)	M10 BOLT (8PL)	38.86 (987.0)	8.75 (222.3)	555 (251.7)
BOL-2000	39.61 (1006)	50.8 (1289.0)	26.8 (680.0)	35.3 (897.0)	10 (254)	2 (50.8)	2" SAE 4 BOLT FLANGE	50.2 (1274.0)	2 (50.8)	7.6 (193)	26.8 (680.0)	M10 BOLT (8PL)	48.1 (1220.0)	8.8 (222.5)	582.0 (264.0)

Note: We reserve the right to make reasonable design changes without notice. All dimensions are in inches (millimeters) unless otherwise noted.