



2401 Directors Drive, Suite R
Indianapolis, IN 46241-4936
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ALLISON WORLD TRANSMISSION : SHELL AND TUBE OIL COOLERS

Allison WT Model Series	Typical WT Application	Does Transm. Have Retarder Provision	Typical Engine Input Hp	Min. Oil Flow Rate GPM Converter/ Retarder	Maximum Intermittent Oil Temp. Converter/ Retarder	Min. Water Flow Rate GPM	Model No. 3-1277D 1 pass on water side BTU/min	Model No. 3-1249T 1 pass on water side BTU/min	Model No. 3-1259B 1 pass on water side BTU/min	Model No. 3-1270A 2 pass on water side BTU/min	Model No. 3-1279B (5 Baffles) 1 pass on water side BTU/min	Model No. 3-1279C (7 Baffles) 1 pass on water side BTU/min	Model No. 3-1274B 2 pass on water side BTU/min
MD3000	On Highway	No	275	12	300°F	50	3,100	3,130					
MD3000R	On Highway	Yes	275	12 / 60	300°F / 330°F	50			3,170 / 12,000	3,300 / 13,000			
B300	Bus	No	275	12	300°F	50	3,100	3,130					
B300R	Bus	Yes	275	12 / 60	300°F / 330°F	50			3,170 / 12,000	3,300 / 13,000			
B400	Bus	No	295	12	300°F	50	3,100	3,130					
B400R	Bus	Yes	295	12 / 60	300°F / 330°F	50			3,170 / 12,000	3,300 / 13,000	3,130 / 13,270	3,400 / 13,840	3,450 / 13,353
HD4000	On Highway	No	450	17	300°F	60		4,040					
HD4000R	On Highway	Yes	450	17 / 60	300°F / 330°F	60					4,080 / 13,800	4,400 / 14,500	4,550 / 13,800
B500	Bus	No	450	17	300°F	60		4,040					
B500R	Bus	Yes	450	17 / 60	300°F / 330°F	60					4,080 / 13,800	4,400 / 14,500	4,550 / 13,800

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AT540 / AT 1540	On Highway	No	175	4.5	300°F	50	1,230	1,450	1,310				
MT600 300 CONVERTER	On Highway	No	250	8	300°F	75	2,020	2,280	2,120				
MTB600 300 CONVERTER	On Highway	Yes	250	8 / 60	300°F / 330°F	75					2,050 / 10,800	2,200 / 11,300	2,600 / 14,200
MT600 400 CONVERTER	On / Off Highway	No	300	12	300°F	90	2,820	3,100	2,940				
MTB600 400 CONVERTER	On / Off Highway	Yes	300	12 / 60	300°F / 330°F	90					3,000 / 11,400	3,000 / 11,700	3,700 / 14,600
HT700	On Highway	Yes	425	15	300°F	125					3,550	3,450	4,500
HT700 With 3 Gear Pump	On Highway	No	425	22	300°F	125				4,500	5,000	4,650	
HT700 With Input Retarder	On Highway	Yes	425	15 / 60	300°F / 330°F	125					3,550 / 12,200	3,450 / 13,270	4,500 / 15,800
HTB700	On Highway	Yes	425	15 / 60	300°F / 330°F	125					3,550 / 12,200	3,450 / 13,270	4,500 / 15,800
CLT700	Off Highway	No	300 to 500	15	275°F	125					2,750	2,600	3,350
CLBT700	Off Highway	Yes	300 to 500	22 / 70	275°F / 330°F	125							4,500 / 17,500
CLT 5000 / 6000	Off Highway	No	400 to 700	35	275°F	125					5,350	5,025	6,250
CLBT 5000 / 600	Off Highway	Yes	400 to 700	35 / 110	275°F / 330°F	125							6,250 / 23,200

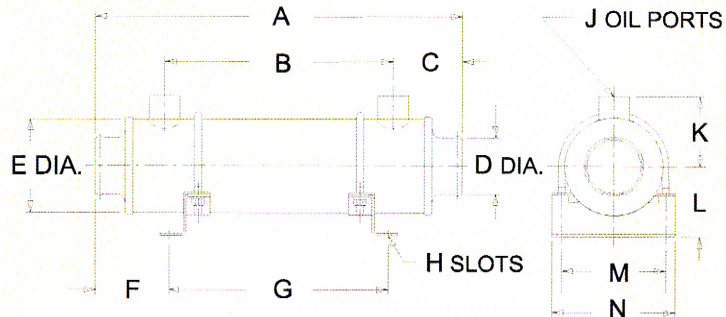
NEW CONVERTER APPLICATIONS NEED TO BE CHECKED BY ALLISON SCAAN & MODE TESTED TO VERIFY COOLING SYSTEM
NEW BUS & RETARDER APPLICATIONS NEED TO BE ON-GRADE & START/STOP CYCLE TESTED TO VERIFY COOLING SYSTEM



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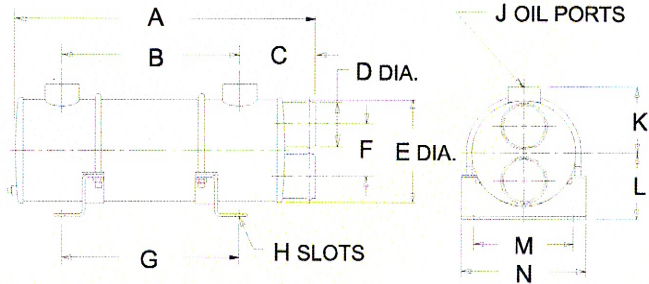
**ONE PASS ON
WATER SIDE**

3-1105A
3-1127A
3-1178A
3-1179B
3-1234A
3-1249T
3-1259B
3-1277D
3-1279B
3-1279C



**TWO PASS ON
WATER SIDE**

3-1192A
3-1255A
3-1270A
3-1274B



Oil Cooler Model No.	A Over All Length	B Port to Port	C	D Dia. Water Port	E Dia. Shell	F	G Bracket Spacing	H Bracket Slot Size	J Oil Port Connection Type	K C.L. to Port	L C.L. to Brkt.	M Slot to Slot	N Bracket Width
3-1105A	15.33	8.12	3.60	3.00	5.30	3.54	8.25	.38 x .50	1-11½ NPTF	3.30	3.75	5.50	6.75
3-1127A	15.5	8.12	3.69	3.00	6.32	2.94	9.62	.44 x .75	1¼-11½ NPTF	4.75	4.12	6.25	7.82
3-1178A*	15.63	9.6	3.01	2.25	4.50	4.31	7.00	.38 x .62	¾-14 NPT	2.88	2.88	8.62	9.62
3-1179B	25.62	16.95	4.34	3.00	6.32	3.94	17.75	.44 x .75	2-11½ NPTF	4.75	4.12	6.25	7.82
3-1192A	14.44	8.12	4.12	2.25	6.32	3.25	9.62	.44 x .75	1¼-11½ NPTF	4.75	4.12	6.25	7.82
3-1234A	15.33	8.12	3.60	3.00	5.30	3.54	8.25	.38 x .50	1-11½ NPTF	3.30	3.75	5.50	6.75
3-1249T	19.38	12	3.69	3.00	5.00	3.94	11.50	.38 x .50	1.312-12 UN-2B O-RING BOSS	3.75	3.75	5.50	6.50
3-1255A	14.95	8.12	2.02	2.25	5.30	2.50 1 at 8°	8.25	.38 x .50	¾-14 NPT	3.25	3.75	5.50	6.75
3-1259B	19.75	12	3.88	3.00	6.32	3.88	12.00	.44 x .75	1.625-12 UN-2B O-RING BOSS	4.16	4.12	6.25	7.82
3-1270A	18.54	12	4.25	2.75	6.32	3.38	12.00	.44 x .75	1.625-12 UN-2B O-RING BOSS	4.16	4.12	6.25	7.82
3-1274B	24.55	16.95	4.77	2.75	6.32	3.38	17.75	.44 x .75	1.625-12 UN-2B O-RING BOSS	4.16	4.12	6.25	7.82
3-1277D	19.75	12.5	3.63	3.00	4.50	4.13	11.50	.38 x .50	1.312-12 UN-2B O-RING BOSS	3.50	3.50	5.00	6.00
3-1279B	25.62	16.95	4.34	3.00	6.32	3.94	17.75	.44 x .75	1.625-12 UN-2B O-RING BOSS	4.16	4.12	6.25	7.82
3-1279C	25.62	16.95	4.34	3.00	6.32	3.94	17.75	.44 x .75	1.625-12 UN-2B O-RING BOSS	4.16	4.12	6.25	7.82