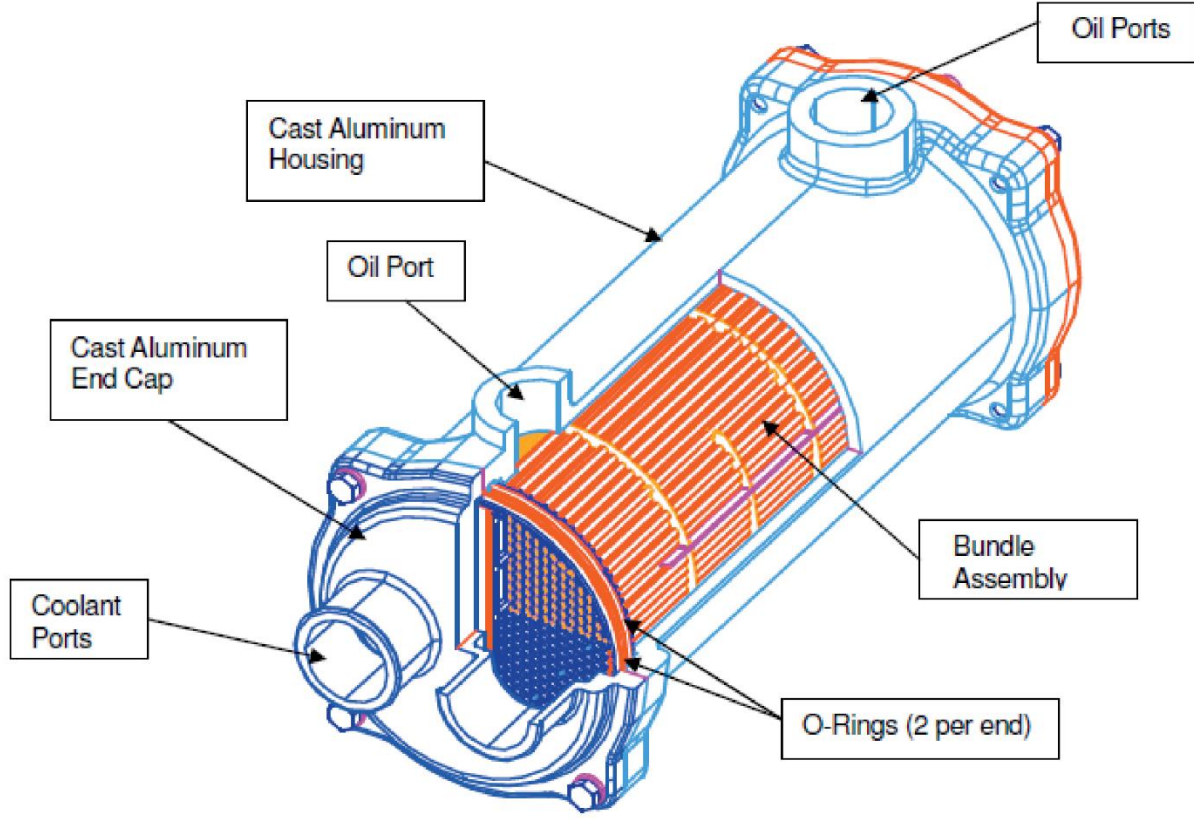


**Series 7000**



## SERIES 1100 & 1200 FIXED BUNDLE

### SHELL & TUBE OIL COOLERS

For Allison Transmissions

Allison WT Model	Typical Engine Rated HP	Rated Oil Flow GPM	Min Flow Coolant GPM	Entering Coolant to Entering Oil Temperature Differential Degree (F)	Cooler PN CIN-1178A 1-pass Btu/min	Cooler PN CIN-1249T 1-pass Btu/min	Cooler PN CIN-1259B 1-pass Btu/min	Cooler PN CIN-1270A 2-pass Btu/min	Cooler PN CIN-1279B 5-baffles 1-pass Btu/min	Cooler PN CIN-1279C 7-baffles 1-pass Btu/min	Cooler PN CIN-1274B 2-pass Btu/min
3000	275	12	50	100	3,100	3,130	3,170	3,300	3,130	3,400	3,450
B300	275	12	50	100	3,100	3,130	3,170	3,300	3,130	3,400	3,450
B400	295	12	50	100	3,100	3,130	3,170	3,300	3,130	3,400	3,450
4000	450	17	60	100		4,040			4,080	4,400	4,550
B500	450	17	60	100		4,040			4,080	4,400	4,550

Allison Pre-WT Models	Typical Engine Rated HP	Rated Oil Flow GPM	Min Flow Coolant GPM	Entering Coolant to Entering Oil Temperature Differential Degree (F)	Cooler PN CIN-1178A 1-pass Btu/min	Cooler PN CIN-1105A 1-pass Btu/min	Cooler PN CIN-1255A 2-pass Btu/min	Cooler PN CIN-1234A 1-pass Btu/min	Cooler PN CIN-1127A 1-pass Btu/min	Cooler PN CIN-1192A 2-pass Btu/min	Cooler PN CIN-1179B 1-pass Btu/min
AT500	175	4.5	50	100	1,230	1,450	1,310				
MT600 TC 300	250	8	75	100	2,020	2,280	2,120		2,050	2,200	2,600
MT600 TC400	300	12	90	100	2,820	3,100	2,940		3,000	3,000	3,700
HT700	425	15	125	100					3,550	3,450	4,500
HT700 3-gear pump	425	22	125	100				4,500	5,000	4,650	
CLT700	300-500	15	125	100					2,750	2,600	3,350
CLT5-6000	400-700	35	125	100					5,350	5,025	6,250

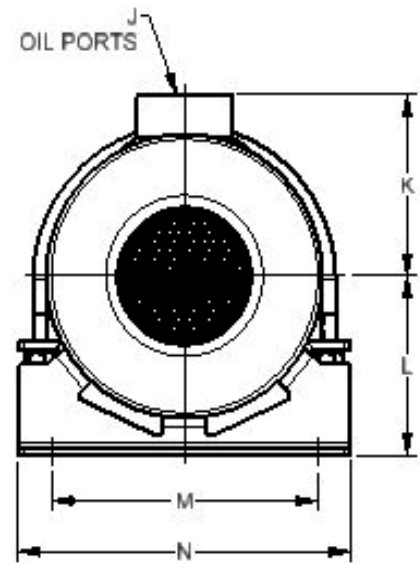
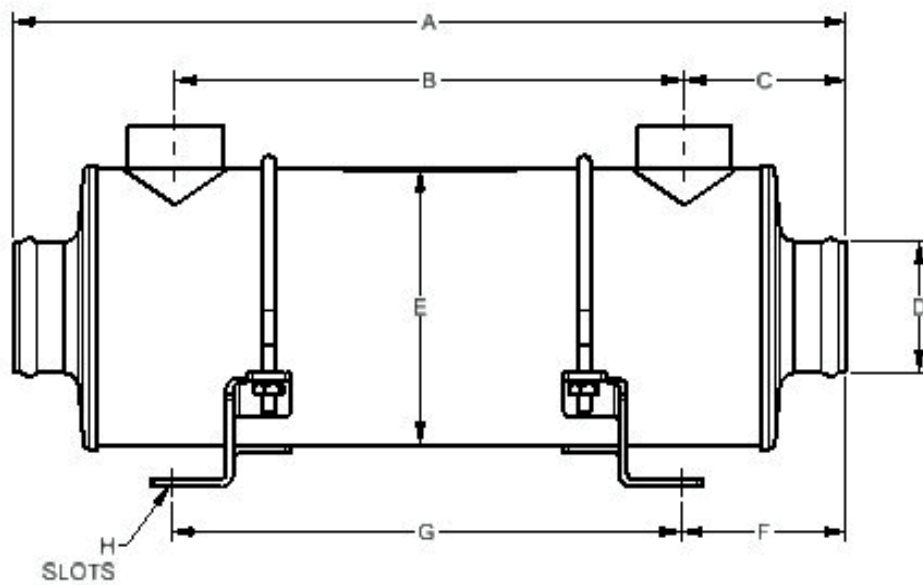
## SERIES 1100 & 1200 FIXED BUNDLE OIL COOLER

Part Numbers and Dimensions

Oil Cooler Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N
CIN-1105A	15.33	8.12	3.60	3.00	5.30	3.54	8.25	.38 x .50	1-11.5 NPTF	3.30	3.75	5.50	6.75
CIN-1127A	15.50	8.12	3.69	3.00	6.32	2.94	9.62	.44 x .75	1.25-11.5 NPTF	4.75	4.12	6.25	7.82
CIN-1178A	15.63	9.60	3.01	2.25	4.50	4.31	7.00	.38 x .62	.75-14 NPT	2.88	2.88	8.62	9.62
CIN-1179B	25.62	16.95	4.34	3.00	6.32	3.94	17.75	.44 x .75	2-11.5 NPTF	4.75	4.12	6.25	7.82
CIN-1192A	14.44	8.12	4.12	2.25	6.32	3.25	9.62	.44 x .75	1.25-11.5 NPTF	4.75	4.12	6.25	7.82
CIN-1234A	15.33	8.12	3.60	3.00	5.30	3.54	8.25	.38 x .50	1-11.5 NPTF	3.30	3.75	5.50	6.75
CIN-1249T	19.38	12.00	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
CIN-1255A	14.95	8.12	2.02	2.25	5.30	2.5 1 at 8°	8.25	.38 x .50	.75-14 NPT	3.25	3.75	5.50	6.75
CIN-1259B	19.75	12.00	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
CIN-1270A	18.54	12.00	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
CIN-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
CIN-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
CIN-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
CIN-1281A	15.63	9.60	3.02	2.50	4.50	4.57	6.50	.38 x .62	1.312-12 UN-2B O-Ring Boss	3.50	2.76	8.62	9.62

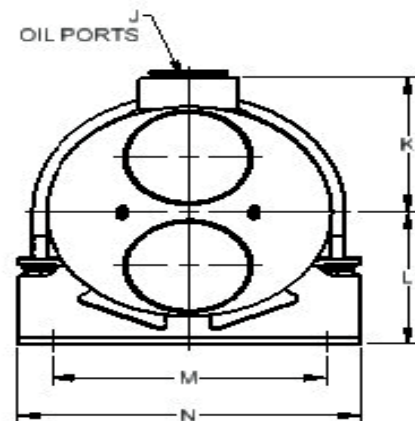
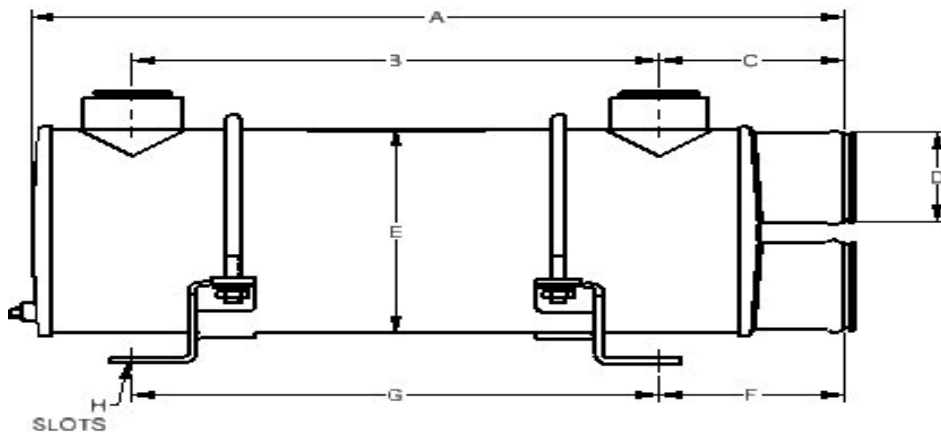
PART NUMBERS

CIN-1105A	CIN-1178A	CIN-1234A	CIN-1259B	CIN-1279C
CIN-1127A	CIN-1179B	CIN-1249T	CIN-1279B	CIN-1281A



PART NUMBERS

CIN-1192A	CIN-1270A
CIN-1255A	CIN-1274B



## SERIES 7000 FLOATING BUNDLE SHELL & TUBE OIL COOLERS

For Allison Transmissions with  
**Retarders**

Allison WT Models	Typical Engine Rated HP	Rated Oil Flow GPM	Min Flow Coolant GPM	Entering Coolant to Entering Oil Temperature Differential Degree (F)	Cooler PN CIN-7009B 1-pass Btu/min	Cooler PN CIN-7026B 2-pass Btu/min	Cooler PN CIN-7027B 1-pass Btu/min	Cooler PN CIN-7041B 2-pass Btu/min
3000 3000R	275 275	12 60	50 50	100 100	3,170 12,000	3,300 13,000		
B300 B300R	275 275	12 60	50 50	100 100	3,170 12,000	3,300 13,000		
B400 B400R	295 295	12 60	50 50	100 100	3,170 12,000	3,300 13,000	3,130 13,270	3,450 13,350
4000 4000R	450 450	17 60	60 60	100 100			4,080 13,800	4,550 13,800
B500 B500R	450 450	17 60	60 60	100 100			4,080 13,800	4,550 13,800

Allison WT Models	Typical Engine Rated HP	Rated Oil Flow GPM	Min Flow Coolant GPM	Entering Coolant to Entering Oil Temperature Differential Degree (F)	Cooler PN CIN-7008B 1-pass Btu/min	Cooler PN CIN-7014B 2-pass Btu/min	Cooler PN CIN-7010B 1-pass Btu/min	Cooler PN CIN-7041B 2-pass Btu/min
AT500	175	4.5	50	100				
MTB600 TC 300	250	8 60	75	100 100	2,050 10,800	2,200 11,300	2,600 14,200	
MTB600 TC400	300	12 60	90	100 100	3,000 11,400	3,000 11,700	3,700 14,600	
HTB700	425	15 60	125	100	3,550 12,200	3,450 13,270	4,500 15,800	4,500 15,800
HT700 3-gear pump	425	22	125		5,000	4,650	6,100	6,100
CLT700	300-500	15	125	100	2,750	2,600	3,350	4,500
CLBT700	300-500	22 70	125	100			4,500 17,500	6,100 17,500
CLT5-6000	400-700	35	125	100			6,250	6,250
CLTB5-6000	400-700	35 110	125	100 100			6,250 23,200	6,250 23,200

# SERIES 7000 FLOATING BUNDLE OIL COOLER

## Part Numbers and Dimensions

Part No.	Over All Length	Water Pass	Water Ports Orientation to Oil Ports	Water Port Size (In.)	Oil Port Size	Similar to Part No.	Est Dry Wt. (lb.)	Est Full Wt. (lb.)	Est Oil Cap (Gal)	Est Water Cap (Gal)
CIN-7001B	18.1	1	0	2.75	#20	CIN-1184B	30.1	38.4	0.7	0.5
CIN-7004D	26.8	2	0	2.50	#20	NEW	37.6	49.5	1.0	0.7
CIN-7005B	19.6	2	90	2.25	#20	NEW	40.4	52.2	1.0	0.7
CIN--7006B	25.0	2	90	2.75	#20	CIN-1273B	49.1	65.3	1.3	0.9
CIN -7007B	19.2	2	90	2.75	#20	CIN-1284A	39.4	51.3	1.0	0.7
CIN-7008B	15.6	1	0	3.00	1.25 NPT	CIN-1127A	32.8	41.2	0.7	0.5
CIN-7009B	20.3	1	0	3.00	#20	CIN-1259B	40.4	52.2	1.0	0.7
CIN-7010B	26.1	1	0	3.00	2-11.5	CIN-1179B	49.1	65.3	1.3	0.9
CIN-7011B	20.3	1	0	3.00	#16	NEW	40.4	52.2	1.0	0.7
CIN-7012B	14.5	2	0	2.50	#20	NEW	34.4	42.7	0.7	0.5
CIN-7013B	19.6	2	90	2.25	#20	NEW	39.9	51.7	1.0	0.7
CIN-7014B	14.9	2	0	2.25	#20	CIN-1192A	32.5	40.8	0.7	0.5
CIN-7015B	19.1	2	90	2.50	#20	NEW	39.9	51.7	1.0	0.7
CIN-7024B	26.1	1	0	3.00	#20	CIN-1314B	49.1	65.4	1.3	0.9
CIN-7025B	25.0	2	90	2.50	#20	NEW	49.1	65.4	1.3	0.9
CIN-7026B	19.0	2	0	2.75	#20	CIN-1270A	37.6	49.5	1.0	0.7
CIN-7027B	26.1	1	0	3.00	#20	CIN-1279B	49.1	65.4	1.3	0.9
CIN-7041B	25.0	2	0	2.75	#20	CIN-1274A	49.1	65.3	1.3	0.9
<b>SUMP (DUAL) OIL COOLERS</b>										
CIN-7102B	32.1	1	0	3.00	#20	CIN-1279B	60.2	69.9	1.5	1.3
CIN-7103B	31.2	2	0	2.75	#20	CIN-1274A	60.2	69.9	1.5	1.3
CIN-7104B	25.5	2	0	2.75	#20	CIN-1270A	48.7	54.1	1.2	1.1
CIN-7106B	31.3	2	90	2.75	#20	CIN-1273B	60.2	69.9	1.5	1.3
CIN-7107B	25.5	2	90	2.75	#20	CIN-1284A	50.5	55.9	1.2	1.1
CIN-7114B	20.7	2	0	2.25	#20	CIN-1192A	43.6	45.4	0.9	0.9
CIN-7115B	25.5	2	90	2.50	#20	NEW	51.0	56.3	1.2	1.1
CIN-7120B	25.4	2	0	2.75	#20	NEW	48.7	54.1	1.2	1.1
CIN-7121B	25.8	2	90	2.75	#20	NEW	51.0	56.3	1.2	1.1

