

**AHRI Certified Performance Data for LMHD & LMHDT Dual Duct Terminal Units**

**LMHD, NON-AIRFLOW MIXING DUAL DUCT TERMINAL UNIT**

Unit Size	Rated CFM	Min. Δ Ps	Discharge Data							Radiated Data						
			Sound Power @ 1.5" Δ Ps							Sound Power @ 1.5" Δ Ps						
			2	3	4	5	6	7	2	3	4	5	6	7		
4	150	0.100	66	62	55	51	49	44	56	49	42	40	37	33		
5	250	0.100	68	68	62	54	50	47	59	52	44	39	35	31		
6	400	0.100	69	68	61	54	50	47	60	58	50	40	36	33		
7	550	0.100	71	70	61	56	53	52	60	57	51	43	39	35		
8	700	0.100	71	70	62	57	54	51	62	59	49	43	38	38		
9	900	0.100	69	67	61	56	54	52	60	56	50	42	39	35		
10	1100	0.100	69	67	63	59	57	54	58	54	50	43	38	32		
12	1600	0.100	72	68	64	61	59	57	64	58	51	46	42	36		
14	2100	0.100	72	67	63	61	59	57	60	56	47	44	41	36		
16	2800	0.100	75	68	64	60	58	56	66	62	56	49	45	42		

NOTES: All sound data is based on tests conducted in accordance with AHRI 880-11. ΔPs is the difference in static pressure from inlet to discharge. Sound power levels are in dB, re 10<sup>-12</sup> Watts. Discharge sound power is the sound emitted from the unit discharge. Discharge sound power has been corrected for end reflection. Radiated sound power is the sound transmitted through the casing walls. NC application data is from AHRI Standard 885-08 Appendix E. See Krueger's selection program for specific sound data for optional liners; 1/2", dual density liner shown. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions. AHRI certification points are shown in bold white text in the sound performance data section for each of the corresponding models.



**LMHDT, AIRFLOW MIXING DUAL DUCT TERMINAL UNIT**

Inlet Size	Rated CFM	Min. Δ Ps	Discharge Data							Radiated Data						
			Sound Power @ 1.5" Δ Ps							Sound Power @ 1.5" Δ Ps						
			2	3	4	5	6	7	2	3	4	5	6	7		
<b>6</b>	400	0.440	80	74	66	57	50	44	66	64	54	47	44	42		
<b>8</b>	700	0.387	82	74	67	60	53	46	68	64	56	52	52	51		
<b>10</b>	1100	0.541	74	71	64	58	53	48	68	65	58	52	50	47		
<b>12</b>	1600	0.467	78	70	65	59	53	48	73	67	60	56	54	52		
<b>14</b>	2100	0.531	78	73	67	61	56	50	72	66	59	53	52	50		
<b>16</b>	2800	0.462	81	75	68	62	58	53	73	65	61	54	52	50		

**LMHD, LMHDT Unit Capacities**

**LMHD UNIT CAPACITIES (PER INLET)**

Unit Size	Max. CFM	Min. CFM	Min. Pressure Ps
4	230	40	0.23
5	360	62	0.20
6	515	89	0.17
7	700	121	0.16
8	920	159	0.17
9	1160	201	0.17
10	1430	248	0.17
12	2060	357	0.17
14	2800	486	0.18
16	3660	634	0.17
22	7000	1212	0.17

**LMHDT UNIT CAPACITIES (PER INLET)**

Unit Size	Max. CFM	Min. CFM	Min. Pressure Ps
4	230	40	0.15
5	360	62	0.36
6	515	90	0.73
7	700	121	0.39
8	920	160	0.66
9	1160	201	0.60
10	1430	250	0.91
12	2060	355	0.77
14	2800	485	0.95
16	3660	635	0.79

NOTES: Minimum recommended airflow (CFM) is based on 0.03" WG differential pressure of the inlet airflow sensor or 0 airflow. 0.03" WG is equal to 15-20% of the nominal flow rating of the terminal unit. Less than 15-20% may result in greater than +/- 5% control of the unit airflow. Some DDC controls, supplied by others, may have differing limitations. Minimum flow may be 0. Maximum airflow (CFM) is based on a 1" WG differential pressure from the airflow sensor. The larger inlet size determines the discharge sensor size for LMHDT.

**LMHDT DISCHARGE CAPACITIES**

Unit Size	Max. Discharge CFM	Min. Discharge CFM
4, 5, 6	930	160
7, 8	1705	295
9, 10	1795	310
12	2840	490
14	3535	610
16	5235	905

DUAL DUCT TERMINAL UNITS

LMHD - LMHDT

**LMHD Performance Data**
**LMHD, DISCHARGE SOUND DATA**

Unit Size	Flow Rate		Min. Δ Ps		0.75" Δ Ps							1.5" Δ Ps							2.5" Δ Ps									
					Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw							Lp
					2	3	4	5	6	7	NC		2	3	4	5	6	7	NC		2	3	4	5	6	7	NC	
4	50 (24)	0.011 (2.76)	51	39	35	34	29	25	-	52	41	38	38	33	31	-	52	42	41	41	36	35	-					
	110 (52)	0.054 (13.37)	61	55	47	43	40	34	-	62	56	50	47	44	40	-	63	57	53	50	47	44	-					
	<b>150 (71)</b>	<b>0.100 (24.88)</b>	65	61	51	47	45	38	<b>21</b>	<b>66</b>	<b>62</b>	<b>55</b>	<b>51</b>	<b>49</b>	<b>44</b>	<b>23</b>	67	63	57	54	51	48	<b>24</b>					
	230 (109)	0.235 (58.51)	71	69	58	52	51	43	<b>30</b>	72	71	61	56	55	49	<b>31</b>	73	72	64	59	57	53	<b>32</b>					
5	60 (28)	0.006 (1.43)	46	39	39	31	30	25	-	50	43	43	35	35	31	-	52	45	47	38	38	35	-					
	140 (66)	0.031 (7.80)	58	54	50	42	39	34	-	61	57	54	46	44	40	-	63	60	58	49	47	45	-					
	<b>250 (118)</b>	<b>0.100 (24.88)</b>	65	64	57	50	46	41	<b>23</b>	<b>68</b>	<b>68</b>	<b>62</b>	<b>54</b>	<b>50</b>	<b>47</b>	<b>27</b>	71	70	65	57	54	51	<b>30</b>					
	360 (170)	0.207 (51.60)	70	71	62	55	50	45	<b>30</b>	73	74	66	59	55	51	<b>34</b>	76	77	70	62	58	55	<b>37</b>					
6	100 (47)	0.006 (1.56)	49	46	34	31	33	29	-	52	51	40	35	38	36	-	55	55	44	38	42	41	-					
	250 (118)	0.039 (9.72)	60	57	48	43	41	36	-	63	62	54	48	46	43	<b>21</b>	66	66	58	51	50	48	<b>26</b>					
	<b>400 (189)</b>	<b>0.100 (24.88)</b>	65	63	56	50	45	40	<b>21</b>	<b>69</b>	<b>68</b>	<b>61</b>	<b>54</b>	<b>50</b>	<b>47</b>	<b>27</b>	71	72	65	57	54	52	<b>32</b>					
	520 (245)	0.169 (42.05)	68	66	60	53	47	43	<b>25</b>	72	72	65	58	53	50	<b>31</b>	74	75	69	61	57	55	<b>36</b>					
7	120 (57)	0.005 (1.18)	53	53	33	28	32	32	-	58	59	39	31	38	40	-	61	64	43	34	43	45	<b>23</b>					
	330 (156)	0.036 (8.96)	62	60	48	44	42	41	-	66	67	53	48	48	48	<b>25</b>	69	71	58	50	52	54	<b>31</b>					
	<b>550 (260)</b>	<b>0.100 (24.88)</b>	67	64	55	53	46	45	<b>22</b>	<b>71</b>	<b>70</b>	<b>61</b>	<b>56</b>	<b>53</b>	<b>52</b>	<b>30</b>	74	75	65	58	57	58	<b>35</b>					
	700 (330)	0.162 (40.31)	69	66	59	56	49	47	<b>23</b>	73	72	65	60	55	54	<b>30</b>	76	77	69	62	59	60	<b>36</b>					
8	160 (76)	0.005 (1.30)	54	50	42	34	37	33	-	58	55	48	39	42	40	-	60	60	52	42	46	45	-					
	440 (208)	0.040 (9.83)	64	60	51	47	45	41	-	67	66	57	52	51	48	<b>24</b>	69	70	62	55	55	53	<b>29</b>					
	<b>700 (330)</b>	<b>0.100 (24.88)</b>	68	64	56	53	49	44	<b>23</b>	<b>71</b>	<b>70</b>	<b>62</b>	<b>57</b>	<b>54</b>	<b>51</b>	<b>29</b>	74	74	66	61	58	56	<b>34</b>					
	920 (434)	0.173 (42.98)	71	67	59	56	51	46	<b>25</b>	74	73	65	61	57	53	<b>31</b>	76	77	69	64	61	58	<b>36</b>					
9	200 (94)	0.005 (1.23)	48	45	35	32	35	35	-	51	50	39	36	40	42	-	53	53	42	39	44	46	-					
	550 (260)	0.037 (9.29)	60	56	49	46	44	42	-	63	61	54	50	50	48	-	65	65	57	52	53	53	<b>23</b>					
	<b>900 (425)</b>	<b>0.100 (24.88)</b>	66	62	56	53	49	45	-	<b>69</b>	<b>67</b>	<b>61</b>	<b>56</b>	<b>54</b>	<b>52</b>	<b>24</b>	71	70	64	59	58	56	<b>28</b>					
	1160 (547)	0.166 (41.34)	70	65	60	56	52	47	<b>22</b>	72	70	64	60	57	53	<b>28</b>	75	73	68	63	60	58	<b>32</b>					
10	250 (118)	0.005 (1.29)	48	47	39	37	39	37	-	51	52	44	42	45	43	-	53	56	48	45	49	48	-					
	700 (330)	0.040 (10.08)	60	58	52	49	47	45	-	63	62	57	54	53	51	<b>20</b>	66	66	61	57	57	55	<b>24</b>					
	<b>1100 (519)</b>	<b>0.100 (24.88)</b>	66	62	58	54	51	48	-	<b>69</b>	<b>67</b>	<b>63</b>	<b>59</b>	<b>57</b>	<b>54</b>	<b>24</b>	71	71	66	62	61	58	<b>29</b>					
	1450 (684)	0.174 (43.24)	69	65	61	58	53	50	<b>22</b>	72	70	66	62	59	56	<b>28</b>	75	73	70	65	63	61	<b>32</b>					
12	400 (189)	0.006 (1.56)	50	47	38	42	42	42	-	54	52	43	46	47	48	-	56	55	46	50	50	52	-					
	1000 (472)	0.039 (9.72)	63	57	52	52	50	48	-	66	62	57	56	55	54	-	69	66	60	60	58	58	<b>23</b>					
	<b>1600 (755)</b>	<b>0.100 (24.88)</b>	69	62	59	57	54	51	-	<b>72</b>	<b>68</b>	<b>64</b>	<b>61</b>	<b>59</b>	<b>57</b>	<b>25</b>	75	71	67	65	62	61	<b>29</b>					
	2060 (972)	0.166 (41.25)	72	65	63	59	56	52	<b>24</b>	76	70	68	64	61	58	<b>28</b>	78	74	71	67	64	63	<b>33</b>					
14	480 (227)	0.005 (1.30)	45	44	33	39	38	40	-	49	48	36	43	42	46	-	51	51	39	46	45	50	-					
	1375 (649)	0.043 (10.67)	62	57	52	52	50	48	-	66	62	56	56	54	54	-	68	65	58	59	57	58	<b>22</b>					
	<b>2100 (991)</b>	<b>0.100 (24.88)</b>	69	63	60	57	55	52	-	<b>72</b>	<b>67</b>	<b>63</b>	<b>61</b>	<b>59</b>	<b>57</b>	<b>25</b>	75	70	66	64	62	62	<b>28</b>					
	2800 (1321)	0.178 (44.24)	74	67	65	61	58	54	<b>26</b>	77	71	68	65	62	60	<b>30</b>	79	74	71	68	65	64	<b>33</b>					
16	630 (297)	0.005 (1.26)	42	37	22	31	30	29	-	45	42	26	34	35	34	-	48	45	28	37	38	38	-					
	1775 (838)	0.040 (10.00)	63	56	49	48	46	44	-	66	60	52	52	51	50	-	69	63	55	55	54	54	-					
	<b>2800 (1321)</b>	<b>0.100 (24.88)</b>	72	64	60	56	53	51	<b>23</b>	<b>75</b>	<b>68</b>	<b>64</b>	<b>60</b>	<b>58</b>	<b>56</b>	<b>28</b>	78	71	66	63	61	60	<b>31</b>					
	3660 (1727)	0.171 (42.52)	77	68	67	61	58	55	<b>30</b>	81	73	71	64	62	60	<b>35</b>	83	76	73	67	65	64	<b>38</b>					
22	1200 (566)	0.005 (1.27)	63	55	55	50	46	38	-	69	63	57	55	51	44	-	73	68	60	59	55	49	<b>26</b>					
	3300 (1557)	0.039 (9.64)	73	67	70	65	61	56	<b>25</b>	79	75	73	70	67	62	<b>33</b>	84	80	75	74	71	67	<b>40</b>					
	5300 (2501)	0.100 (24.86)	78	73	77	71	69	65	<b>31</b>	84	80	80	77	74	71	<b>40</b>	89	86	82	81	78	76	<b>47</b>					
	7000 (3304)	0.174 (43.37)	81	76	81	76	73	70	<b>36</b>	87	84	84	81	78	76	<b>44</b>	92	89	86	85	82	81	<b>51</b>					

NOTES: Discharge sound power is the sound emitted from the unit discharge. All sound data is based on tests conducted in accordance with AHRI 880-11 and corrected for end reflection. Sound power levels are in dB, re 10<sup>-12</sup> Watts. ΔPs is the difference in static pressure from inlet to discharge. NC application data is from AHRI Standard 885-08 Appendix E, as a function of flow rate shown. AHRI certification points are shown in bold, white font. For a complete list of AHRI certified data, see page C2-4. All other data points listed are application ratings outside the scope of the Certification Program. See Krueger's selection program for specific sound data for optional liners; 1/2", dual density liner shown. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions.

LMHD | Non-Airflow Mixing

**LMHD Performance Data**

**LMHD, RADIATED SOUND DATA**

DUAL DUCT TERMINAL UNITS

Unit Size	Flow Rate		Min. Δ Ps		0.75" Δ Ps							1.5" Δ Ps							2.5" Δ Ps						
					Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw				
	CFM	(L/s)	"WG	(Pa)	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
4	50	(24)	0.011	(2.76)	37	28	24	23	17	10	-	38	29	27	25	19	15	-	38	30	30	27	21	18	-
	110	(52)	0.054	(13.37)	50	42	34	33	30	23	-	51	43	38	35	32	28	-	51	45	40	37	34	31	-
	<b>150</b>	<b>(71)</b>	<b>0.100</b>	<b>(24.88)</b>	55	47	39	37	35	29	-	<b>56</b>	<b>49</b>	<b>42</b>	<b>40</b>	<b>37</b>	<b>33</b>	-	56	50	45	41	39	37	-
	230	(109)	0.235	(58.51)	62	55	45	43	42	36	<b>24</b>	62	57	48	45	44	40	<b>26</b>	63	58	51	47	46	44	<b>27</b>
5	60	(28)	0.006	(1.43)	38	21	17	12	8	6	-	43	26	22	15	11	12	-	47	30	26	18	14	17	-
	140	(66)	0.031	(7.80)	47	36	30	26	22	17	-	52	41	35	29	25	23	-	56	45	39	32	28	28	-
	<b>250</b>	<b>(118)</b>	<b>0.100</b>	<b>(24.88)</b>	53	47	39	36	31	25	-	<b>59</b>	<b>52</b>	<b>44</b>	<b>39</b>	<b>35</b>	<b>31</b>	<b>20</b>	62	55	47	41	38	36	<b>25</b>
	360	(170)	0.207	(51.60)	57	53	44	42	37	30	<b>21</b>	62	58	49	45	41	36	<b>27</b>	66	62	53	47	44	41	<b>31</b>
6	100	(47)	0.006	(1.56)	43	35	24	15	10	6	-	46	40	28	20	16	13	-	49	44	31	24	20	19	-
	250	(118)	0.039	(9.72)	52	47	38	28	23	19	-	56	52	43	33	29	26	-	58	55	46	37	33	32	<b>24</b>
	<b>400</b>	<b>(189)</b>	<b>0.100</b>	<b>(24.88)</b>	57	53	46	35	30	26	<b>21</b>	<b>60</b>	<b>58</b>	<b>50</b>	<b>40</b>	<b>36</b>	<b>33</b>	<b>27</b>	63	61	53	43	40	38	<b>31</b>
	520	(245)	0.169	(42.05)	60	56	50	39	34	29	<b>25</b>	63	61	54	43	39	37	<b>30</b>	65	64	57	47	43	42	<b>35</b>
7	120	(57)	0.005	(1.18)	38	42	25	17	12	7	-	42	47	31	21	16	14	-	44	51	35	24	19	19	-
	330	(156)	0.036	(8.96)	50	48	38	31	27	22	-	54	54	44	36	31	28	<b>22</b>	57	58	49	39	34	33	<b>27</b>
	<b>550</b>	<b>(260)</b>	<b>0.100</b>	<b>(24.88)</b>	56	52	45	39	34	29	-	<b>60</b>	<b>57</b>	<b>51</b>	<b>43</b>	<b>39</b>	<b>35</b>	<b>26</b>	63	61	55	46	42	40	<b>31</b>
	700	(330)	0.162	(40.31)	59	53	48	42	38	32	<b>23</b>	63	59	54	46	42	38	<b>29</b>	66	63	59	50	45	43	<b>34</b>
8	160	(76)	0.005	(1.30)	45	39	27	22	18	16	-	48	45	34	27	23	23	-	50	49	39	30	27	28	-
	440	(208)	0.040	(9.83)	55	49	38	33	28	26	-	58	54	45	38	33	33	<b>23</b>	60	59	50	41	37	38	<b>28</b>
	<b>700</b>	<b>(330)</b>	<b>0.100</b>	<b>(24.88)</b>	59	53	43	38	32	31	<b>21</b>	<b>62</b>	<b>59</b>	<b>49</b>	<b>43</b>	<b>38</b>	<b>38</b>	<b>28</b>	64	63	55	46	41	43	<b>33</b>
	920	(434)	0.173	(42.98)	62	56	45	41	35	34	<b>24</b>	65	62	52	46	40	41	<b>31</b>	67	66	57	49	44	46	<b>37</b>
9	200	(94)	0.005	(1.23)	38	36	21	22	21	19	-	42	42	26	26	26	27	-	44	47	29	29	30	33	-
	550	(260)	0.037	(9.29)	50	45	38	33	30	24	-	54	51	42	37	35	32	-	56	56	45	40	39	38	<b>25</b>
	<b>900</b>	<b>(425)</b>	<b>0.100</b>	<b>(24.88)</b>	56	49	46	38	34	27	-	<b>60</b>	<b>56</b>	<b>50</b>	<b>42</b>	<b>39</b>	<b>35</b>	<b>24</b>	62	60	53	45	43	41	<b>30</b>
	1160	(547)	0.166	(41.34)	59	52	50	41	37	28	<b>24</b>	63	58	54	45	42	36	<b>28</b>	65	63	57	48	46	42	<b>32</b>
10	250	(118)	0.005	(1.29)	33	33	17	16	11	3	-	39	39	21	20	19	14	-	43	44	23	24	25	23	-
	700	(330)	0.040	(10.08)	46	43	37	31	24	15	-	52	50	41	36	32	27	-	56	54	44	40	38	35	<b>23</b>
	<b>1100</b>	<b>(519)</b>	<b>0.100</b>	<b>(24.88)</b>	52	48	46	38	30	21	<b>20</b>	<b>58</b>	<b>54</b>	<b>50</b>	<b>43</b>	<b>38</b>	<b>32</b>	<b>24</b>	62	59	52	46	44	41	<b>28</b>
	1450	(684)	0.174	(43.24)	55	51	52	42	33	24	<b>26</b>	61	57	55	47	42	36	<b>30</b>	66	62	58	51	48	44	<b>33</b>
12	400	(189)	0.006	(1.56)	42	44	29	24	20	15	-	46	49	33	28	24	20	-	50	53	37	31	28	25	<b>21</b>
	1000	(472)	0.039	(9.72)	54	50	41	36	32	25	-	58	55	45	40	36	31	<b>23</b>	61	58	48	43	40	35	<b>27</b>
	<b>1600</b>	<b>(755)</b>	<b>0.100</b>	<b>(24.88)</b>	60	53	47	42	38	31	<b>22</b>	<b>64</b>	<b>58</b>	<b>51</b>	<b>46</b>	<b>42</b>	<b>36</b>	<b>28</b>	67	61	54	49	46	41	<b>32</b>
	2060	(972)	0.166	(41.25)	63	55	50	45	41	33	<b>26</b>	67	59	54	49	46	39	<b>32</b>	71	63	58	52	49	43	<b>36</b>
14	480	(227)	0.005	(1.30)	35	35	19	24	21	18	-	39	40	22	27	24	22	-	43	44	25	30	27	26	-
	1375	(649)	0.043	(10.67)	50	46	37	36	33	28	-	54	51	40	39	37	32	-	58	55	43	42	39	36	<b>24</b>
	<b>2100</b>	<b>(991)</b>	<b>0.100</b>	<b>(24.88)</b>	56	51	44	41	38	32	-	<b>60</b>	<b>56</b>	<b>47</b>	<b>44</b>	<b>41</b>	<b>36</b>	<b>25</b>	64	60	50	47	44	40	<b>29</b>
	2800	(1321)	0.178	(44.24)	60	54	49	44	41	34	<b>23</b>	65	59	52	48	45	39	<b>28</b>	68	63	55	50	47	42	<b>33</b>
16	630	(297)	0.005	(1.26)	38	36	29	28	25	22	-	43	43	34	33	32	30	-	47	48	38	37	38	36	-
	1775	(838)	0.040	(10.00)	54	49	44	39	34	30	-	59	56	49	44	41	38	<b>25</b>	62	61	53	48	47	44	<b>31</b>
	<b>2800</b>	<b>(1321)</b>	<b>0.100</b>	<b>(24.88)</b>	60	55	51	44	38	34	<b>25</b>	<b>66</b>	<b>62</b>	<b>56</b>	<b>49</b>	<b>45</b>	<b>42</b>	<b>31</b>	69	67	60	53	51	48	<b>38</b>
	3660	(1727)	0.171	(42.52)	64	58	55	47	41	36	<b>30</b>	70	65	60	52	48	44	<b>36</b>	73	70	64	55	53	50	<b>42</b>
22	1200	(566)	0.005	(1.27)	51	50	41	42	39	37	-	56	55	51	49	44	41	<b>25</b>	59	59	58	54	48	44	<b>33</b>
	3300	(1557)	0.039	(9.64)	65	61	55	53	51	47	<b>30</b>	69	66	65	60	56	51	<b>41</b>	73	69	73	66	60	54	<b>49</b>
	5300	(2501)	0.100	(24.86)	71	66	62	58	56	52	<b>37</b>	76	71	72	66	61	56	<b>48</b>	79	74	79	71	65	59	<b>56</b>
	7000	(3304)	0.174	(43.37)	75	69	66	62	59	55	<b>42</b>	80	74	76	69	65	59	<b>52</b>	83	77	83	74	69	61	<b>60</b>

NOTES: Radiated sound power is the sound transmitted through the casing walls. All sound data is based on tests conducted in accordance with AHRI 880-11. Sound power levels are in dB, re 10<sup>-12</sup> Watts. ΔPs is the difference in static pressure from inlet to discharge. NC application data is from AHRI Standard 885-08 Appendix E. AHRI certification points are shown in bold, white font. For a complete list of AHRI certified data, see page C2-4. All other data points listed are application ratings outside the scope of the Certification Program. See Krueger's selection program for specific sound data for optional liners; 1/2", dual density liner shown. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions.

LMHD

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