

TABLE 2. CIRCULAR EQUIVALENTS OF RECTANGULAR DUCTS FOR EQUAL FRICTION AND CAPACITY (CONCLUDED)
Dimensions in Inches

SIDE RECTANGULAR DUCT	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100			
SIDE RECTANGULAR DUCT	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100			
20	21.9	24.1	26.2	28.4	30.5	32.6	34.7	36.8	38.9	41.0	43.1	45.2	47.3	49.4	51.5	53.6	55.7	57.8	59.9	62.0	64.1	66.2	68.3	70.4	72.5	74.6	76.7	78.8	80.9	83.0	85.1	87.2	89.3	91.4	93.5	95.6	97.7	99.8	101.9	104.0	106.1	108.2	110.3	
22	22.9	25.1	27.2	29.4	31.5	33.6	35.7	37.8	39.9	42.0	44.1	46.2	48.3	50.4	52.5	54.6	56.7	58.8	60.9	63.0	65.1	67.2	69.3	71.4	73.5	75.6	77.7	79.8	81.9	84.0	86.1	88.2	90.3	92.4	94.5	96.6	98.7	100.8	102.9	105.0	107.1	109.2	111.3	
24	23.9	26.1	28.2	30.4	32.5	34.6	36.7	38.8	40.9	43.0	45.1	47.2	49.3	51.4	53.5	55.6	57.7	59.8	61.9	64.0	66.1	68.2	70.3	72.4	74.5	76.6	78.7	80.8	82.9	85.0	87.1	89.2	91.3	93.4	95.5	97.6	99.7	101.8	103.9	106.0	108.1	110.2	112.3	114.4
26	24.9	27.1	29.2	31.4	33.5	35.6	37.7	39.8	41.9	44.0	46.1	48.2	50.3	52.4	54.5	56.6	58.7	60.8	62.9	65.0	67.1	69.2	71.3	73.4	75.5	77.6	79.7	81.8	83.9	86.0	88.1	90.2	92.3	94.4	96.5	98.6	100.7	102.8	104.9	107.0	109.1	111.2	113.3	115.4
28	25.9	28.1	30.2	32.4	34.5	36.6	38.7	40.8	42.9	45.0	47.1	49.2	51.3	53.4	55.5	57.6	59.7	61.8	63.9	66.0	68.1	70.2	72.3	74.4	76.5	78.6	80.7	82.8	84.9	87.0	89.1	91.2	93.3	95.4	97.5	99.6	101.7	103.8	105.9	108.0	110.1	112.2	114.3	116.4
30	26.9	29.1	31.2	33.4	35.5	37.6	39.7	41.8	43.9	46.0	48.1	50.2	52.3	54.4	56.5	58.6	60.7	62.8	64.9	67.0	69.1	71.2	73.3	75.4	77.5	79.6	81.7	83.8	85.9	88.0	90.1	92.2	94.3	96.4	98.5	100.6	102.7	104.8	106.9	109.0	111.1	113.2	115.3	117.4
32	27.9	30.1	32.2	34.4	36.5	38.6	40.7	42.8	44.9	47.0	49.1	51.2	53.3	55.4	57.5	59.6	61.7	63.8	65.9	68.0	70.1	72.2	74.3	76.4	78.5	80.6	82.7	84.8	86.9	89.0	91.1	93.2	95.3	97.4	99.5	101.6	103.7	105.8	107.9	110.0	112.1	114.2	116.3	118.4
34	28.9	31.1	33.2	35.4	37.5	39.6	41.7	43.8	45.9	48.0	50.1	52.2	54.3	56.4	58.5	60.6	62.7	64.8	66.9	69.0	71.1	73.2	75.3	77.4	79.5	81.6	83.7	85.8	87.9	90.0	92.1	94.2	96.3	98.4	100.5	102.6	104.7	106.8	108.9	111.0	113.1	115.2	117.3	119.4
36	29.9	32.1	34.2	36.4	38.5	40.6	42.7	44.8	46.9	49.0	51.1	53.2	55.3	57.4	59.5	61.6	63.7	65.8	67.9	70.0	72.1	74.2	76.3	78.4	80.5	82.6	84.7	86.8	88.9	91.0	93.1	95.2	97.3	99.4	101.5	103.6	105.7	107.8	109.9	112.0	114.1	116.2	118.3	120.4
38	30.9	33.1	35.2	37.4	39.5	41.6	43.7	45.8	47.9	50.0	52.1	54.2	56.3	58.4	60.5	62.6	64.7	66.8	68.9	71.0	73.1	75.2	77.3	79.4	81.5	83.6	85.7	87.8	89.9	92.0	94.1	96.2	98.3	100.4	102.5	104.6	106.7	108.8	110.9	113.0	115.1	117.2	119.3	121.4
40	31.9	34.1	36.2	38.4	40.5	42.6	44.7	46.8	48.9	51.0	53.1	55.2	57.3	59.4	61.5	63.6	65.7	67.8	69.9	72.0	74.1	76.2	78.3	80.4	82.5	84.6	86.7	88.8	90.9	93.0	95.1	97.2	99.3	101.4	103.5	105.6	107.7	109.8	111.9	114.0	116.1	118.2	120.3	122.4
42	32.9	35.1	37.2	39.4	41.5	43.6	45.7	47.8	49.9	52.0	54.1	56.2	58.3	60.4	62.5	64.6	66.7	68.8	70.9	73.0	75.1	77.2	79.3	81.4	83.5	85.6	87.7	89.8	91.9	94.0	96.1	98.2	100.3	102.4	104.5	106.6	108.7	110.8	112.9	115.0	117.1	119.2	121.3	123.4
44	33.9	36.1	38.2	40.4	42.5	44.6	46.7	48.8	50.9	53.0	55.1	57.2	59.3	61.4	63.5	65.6	67.7	69.8	71.9	74.0	76.1	78.2	80.3	82.4	84.5	86.6	88.7	90.8	92.9	95.0	97.1	99.2	101.3	103.4	105.5	107.6	109.7	111.8	113.9	116.0	118.1	120.2	122.3	124.4
46	34.9	37.1	39.2	41.4	43.5	45.6	47.7	49.8	51.9	54.0	56.1	58.2	60.3	62.4	64.5	66.6	68.7	70.8	72.9	75.0	77.1	79.2	81.3	83.4	85.5	87.6	89.7	91.8	93.9	96.0	98.1	100.2	102.3	104.4	106.5	108.6	110.7	112.8	114.9	117.0	119.1	121.2	123.3	125.4
48	35.9	38.1	40.2	42.4	44.5	46.6	48.7	50.8	52.9	55.0	57.1	59.2	61.3	63.4	65.5	67.6	69.7	71.8	73.9	76.0	78.1	80.2	82.3	84.4	86.5	88.6	90.7	92.8	94.9	97.0	99.1	101.2	103.3	105.4	107.5	109.6	111.7	113.8	115.9	118.0	120.1	122.2	124.3	126.4
50	36.9	39.1	41.2	43.4	45.5	47.6	49.7	51.8	53.9	56.0	58.1	60.2	62.3	64.4	66.5	68.6	70.7	72.8	74.9	77.0	79.1	81.2	83.3	85.4	87.5	89.6	91.7	93.8	95.9	98.0	100.1	102.2	104.3	106.4	108.5	110.6	112.7	114.8	116.9	119.0	121.1	123.2	125.3	127.4
52	37.9	40.1	42.2	44.4	46.5	48.6	50.7	52.8	54.9	57.0	59.1	61.2	63.3	65.4	67.5	69.6	71.7	73.8	75.9	78.0	80.1	82.2	84.3	86.4	88.5	90.6	92.7	94.8	96.9	99.0	101.1	103.2	105.3	107.4	109.5	111.6	113.7	115.8	117.9	120.0	122.1	124.2	126.3	128.4
54	38.9	41.1	43.2	45.4	47.5	49.6	51.7	53.8	55.9	58.0	60.1	62.2	64.3	66.4	68.5	70.6	72.7	74.8	76.9	79.0	81.1	83.2	85.3	87.4	89.5	91.6	93.7	95.8	97.9	100.0	102.1	104.2	106.3	108.4	110.5	112.6	114.7	116.8	118.9	121.0	123.1	125.2	127.3	129.4
56	39.9	42.1	44.2	46.4	48.5	50.6	52.7	54.8	56.9	59.0	61.1	63.2	65.3	67.4	69.5	71.6	73.7	75.8	77.9	80.0	82.1	84.2	86.3	88.4	90.5	92.6	94.7	96.8	98.9	101.0	103.1	105.2	107.3	109.4	111.5	113.6	115.7	117.8	119.9	122.0	124.1	126.2	128.3	130.4
58	40.9	43.1	45.2	47.4	49.5	51.6	53.7	55.8	57.9	60.0	62.1	64.2	66.3	68.4	70.5	72.6	74.7	76.8	78.9	81.0	83.1	85.2	87.3	89.4	91.5	93.6	95.7	97.8	99.9	102.0	104.1	106.2	108.3	110.4	112.5	114.6	116.7	118.8	120.9	123.0	125.1	127.2	129.3	131.4
60	41.9	44.1	46.2	48.4	50.5	52.6	54.7	56.8	58.9	61.0	63.1	65.2	67.3	69.4	71.5	73.6	75.7	77.8	79.9	82.0	84.1	86.2	88.3	90.4	92.5	94.6	96.7	98.8	100.9	103.0	105.1	107.2	109.3	111.4	113.5	115.6	117.7	119.8	121.9	124.0	126.1	128.2	130.3	132.4
62	42.9	45.1	47.2	49.4	51.5	53.6	55.7	57.8	59.9	62.0	64.1	66.2	68.3	70.4	72.5	74.6	76.7	78.8	80.9	83.0	85.1	87.2	89.3	91.4	93.5	95.6	97.7	99.8	101.9	104.0	106.1	108.2	110.3	112.4	114.5	116.6	118.7	120.8	122.9	125.0	127.1	129.2	131.3	133.4
64	43.9	46.1	48.2	50.4	52.5	54.6	56.7	58.8	60.9	63.0	65.1	67.2	69.3	71.4	73.5	75.6	77.7	79.8	81.9	84.0	86.1	88.2	90.3	92.4	94.5	96.6	98.7	100.8	102.9	105.0	107.1	109.2	111.3	113.4	115.5	117.6	119.7	121.8	123.9	126.0	128.1	130.2	132.3	134.4
66	44.9	47.1	49.2	51.4	53.5	55.6	57.7	59.8	61.9	64.0	66.1	68.2	70.3	72.4	74.5	76.6	78.7	80.8	82.9	85.0	87.1	89.2	91.3	93.4	95.5	97.6	99.7	101.8	103.9	106.0	108.1	110.2	112.3	114.4	116.5	118.6	120.7	122.8	124.9	127.0	129.1	131.2	133.3	135.4
68	45.9	48.1	50.2	52.4	54.5	56.6	58.7	60.8	62.9	65.0	67.1	69.2	71.3	73.4	75.5	77.6	79.7	81.8	83.9	86.0	88.1	90.2	92.3	94.4	96.5	98.6	100.7	102.8	104.9	107.0	109.1	111.2	113.3	115.4	117.5	119.6	121.7	123.8	125.9	128.0	130.1	132.2	134.3	136.4
70	46.9	49.1	51.2	53.4	55.5	57.6	59.7	61.8	63.9	66.0	68.1	70.2	72.3	74.4	76.5	78.6	80.7	82.8	84.9	87.0	89.1	91.2	93.3	95.4	97.5	99.6	101.7	103.8	105.9	108.0	110.1	112.2	114.3	116.4	118.5	120.6	122.7	124.8	126.9	129.0	131.1	133.2	135.3	137.4
72	47.9	50.1	52.2	54.4	56.5	58.6	60.7	62.8	64.9	67.0	69.1	71.2	73.3	75.4	77.5	79.6	81.7	83.8	85.9	88.0	90.1	92.2	94.3	96.4	98.5	100.6	102.7	104.8	106.9	109.0	111.1	113.2	115.3	117.4	119.5	121.6	123.7	125.8	127.9	130.0	132.1	134.2	136.3	138.4
74	48.9	51.1	53.2	55.4	57.5	59.6	61.7	63.8	65.9	68.0	70.1	72.2	74.3	76.4	78.5	80.6	82.7	84.8	86.9	89.0	91.1																							