

0107

DuoDrive Size D100 (expanded rating table)

Reducer Size		20.00 Inch (Center Distance at Output Shafts)							
100		Worm RPM							
Ratio to 1		100	200	300	580	720	870	1150	1750
5	Me.HP	84.7	143.9	183.2	258.3	286.8	311.0	337.9	397.5
	Th.HP Std	14.4	22.3	29.5	42.0	47.0	52.6	56.8	62.5
	Th.HP Fan	21.6	33.4	44.2	63.0	70.5	78.9	85.2	93.7
	Efficiency	94	95	96	96	97	97	97	97
	O.T. / Shaft	219,450	188,400	161,550	117,850	106,500	95,600	78,600	60,750
10	Me.HP	55.1	97.3	128.6	184.1	205.2	224.8	253.5	291.0
	Th.HP Std	11.9	17.4	22.6	31.4	35.5	37.9	41.7	44.5
	Th.HP Fan	17.9	26.1	33.9	47.1	53.3	56.9	62.6	66.8
	Efficiency	88	90	91	92	94	94	95	95
	O.T. / Shaft	267,300	241,400	215,050	161,000	147,700	133,900	115,450	87,100
15	Me.HP	38.7	68.7	91.0	130.9	146.7	160.5	181.7	209.1
	Th.HP Std	9.9	14.7	18.3	25.4	27.5	29.4	31.6	33.7
	Th.HP Fan	14.9	22.1	27.5	38.1	41.3	44.1	47.4	50.6
	Efficiency	84	86	87	90	92	92	93	93
	O.T. / Shaft	268,850	244,300	218,250	168,000	155,000	140,350	121,550	91,900
20	Me.HP	29.6	52.7	70.1	100.7	112.9	124.1	139.5	161.6
	Th.HP Std	7.8	12.8	15.8	22.1	23.4	24.6	25.8	27.2
	Th.HP Fan	11.7	19.2	23.7	33.2	35.1	36.9	38.7	40.8
	Efficiency	80	82	83	88	88	88	89	90
	O.T. / Shaft	261,100	238,250	213,850	168,450	152,150	138,400	119,050	91,650
25	Me.HP	23.9	42.5	56.6	81.6	91.0	99.9	113.3	130.2
	Th.HP Std	6.3	10.8	13.6	18.9	19.8	20.7	21.5	22.3
	Th.HP Fan	9.5	16.2	20.4	28.4	29.7	31.1	32.3	33.5
	Efficiency	76	80	82	86	88	88	89	89
	O.T. / Shaft	250,350	234,300	213,250	166,750	153,300	139,300	120,850	91,300
30	Me.HP	20.0	35.7	47.4	68.4	76.2	83.7	94.9	109.1
	Th.HP Std	6.8	8.9	11.6	15.9	16.9	17.7	18.2	18.8
	Th.HP Fan	10.2	13.4	17.4	23.9	25.4	26.6	27.3	28.2
	Efficiency	73	75	77	80	84	84	85	85
	O.T. / Shaft	241,450	221,400	201,200	156,050	147,050	133,650	116,000	87,650
40	Me.HP	15.1	26.8	35.7	51.4	57.3	63.0	71.4	82.0
	Th.HP Std	3.9	7.1	9.5	17.7	14.3	15.0	15.5	16.1
	Th.HP Fan	5.9	10.7	14.3	26.6	21.5	22.5	23.3	24.2
	Efficiency	66	68	72	77	80	80	81	81
	O.T. / Shaft	219,800	200,950	188,950	150,500	140,400	127,750	110,900	83,700
50	Me.HP	12.1	21.6	28.7	41.5	46.3	50.7	57.8	66.2
	Th.HP Std	3.1	5.6	7.8	11.0	11.7	12.3	13.2	14.1
	Th.HP Fan	4.7	8.4	11.7	16.5	17.6	18.5	19.8	21.2
	Efficiency	59	65	69	75	77	77	78	78
	O.T. / Shaft	196,800	193,500	181,950	147,950	136,500	123,700	108,100	81,350
60	Me.HP	10.1	18.0	24.0	34.6	38.6	42.3	48.2	55.2
	Th.HP Std	2.6	4.7	6.5	9.7	10.2	10.9	11.9	12.6
	Th.HP Fan	3.9	7.1	9.8	14.6	15.3	16.4	17.9	18.9
	Efficiency	58	64	66	71	74	74	75	75
	O.T. / Shaft	193,800	190,550	174,650	140,100	131,250	119,050	104,000	78,250
70	Me.HP	8.7	15.5	20.6	29.7	33.2	36.3	41.4	47.4
	Th.HP Std	2.2	4.0	5.6	8.6	9.6	10.0	10.9	11.2
	Th.HP Fan	3.3	6.0	8.4	12.9	14.4	15.0	16.4	16.8
	Efficiency	57	63	65	70	73	73	74	74
	O.T. / Shaft	191,400	188,450	172,250	138,350	129,900	117,550	102,800	77,350

Key: Me.HP = Mech. Input Power (HP)  
O.T. / Shaft = Output Torque (Lb.-in) per shaft

Th.HP Std = Ther. Input Power - No Fan  
Th.HP Fan = Ther. Input Power - Fan