

0107

DuoDrive Size D50 (expanded rating table)

Reducer Size		10.00 Inch (Center Distance at Output Shafts)							
50		Worm RPM							
Ratio to 1		100	200	300	580	720	870	1150	1750
5	Me.HP	12.8	23.2	32.2	49.6	55.4	61.6	70.4	85.8
	Th.HP Std	4.2	6.4	8.3	11.8	13.2	14.2	15.3	16.9
	Th.HP Fan	6.4	9.6	12.4	17.6	19.7	21.3	23.0	25.3
	Efficiency	92	93	94	94	94	95	95	95
	O.T. / Shaft	32,400	29,750	27,850	22,200	19,950	18,550	16,050	12,850
10	Me.HP	8.2	14.9	20.8	33.0	37.1	41.0	47.6	58.4
	Th.HP Std	3.8	5.5	7.0	9.6	10.5	11.2	12.0	12.8
	Th.HP Fan	5.7	8.3	10.5	14.4	15.8	16.8	18.0	19.2
	Efficiency	86	88	89	90	90	92	93	93
	O.T. / Shaft	38,900	36,150	34,050	28,250	25,600	23,950	21,250	17,150
15	Me.HP	5.7	10.5	14.6	23.4	26.3	29.1	33.7	41.3
	Th.HP Std	3.2	5.8	5.9	7.9	8.5	9.0	9.5	10.1
	Th.HP Fan	4.8	8.7	8.9	11.9	12.8	13.5	14.3	15.2
	Efficiency	82	84	85	88	89	90	91	91
	O.T. / Shaft	38,650	36,500	34,250	29,400	26,900	24,900	22,100	17,800
20	Me.HP	4.4	8.0	11.2	18.0	20.2	22.3	25.9	31.9
	Th.HP Std	2.4	4.2	5.2	7.1	7.5	7.8	8.1	8.5
	Th.HP Fan	3.6	6.3	7.8	10.7	11.3	11.7	12.2	12.8
	Efficiency	78	80	81	86	86	86	87	88
	O.T. / Shaft	37,850	35,300	33,350	29,450	26,650	24,350	21,650	17,700
25	Me.HP	3.6	6.5	9.1	14.5	16.4	18.1	21.0	25.8
	Th.HP Std	2.0	3.6	4.5	6.1	6.4	6.6	6.8	7.1
	Th.HP Fan	3.0	5.4	6.8	9.2	9.6	9.9	10.2	10.7
	Efficiency	74	78	80	84	84	86	87	87
	O.T. / Shaft	36,750	34,950	33,450	28,950	26,400	24,700	21,900	17,700
30	Me.HP	3.0	5.4	7.6	12.2	13.7	15.2	17.6	21.6
	Th.HP Std	1.7	3.0	3.9	5.3	5.6	5.8	5.9	6.1
	Th.HP Fan	2.6	4.5	5.9	8.0	8.4	8.7	8.9	9.2
	Efficiency	71	73	75	78	81	82	83	83
	O.T. / Shaft	35,250	32,600	31,450	27,150	25,500	23,700	21,050	16,950
40	Me.HP	2.3	4.1	5.7	9.2	10.4	11.4	13.3	16.3
	Th.HP Std	1.3	2.3	3.2	5.1	4.8	5.0	5.2	5.3
	Th.HP Fan	2.0	3.5	4.8	7.7	7.2	7.5	7.8	8.0
	Efficiency	64	66	70	75	76	78	79	79
	O.T. / Shaft	32,500	29,850	29,350	26,250	24,250	22,550	20,150	16,250
50	Me.HP	1.8	3.3	4.6	7.4	8.3	9.2	10.7	13.1
	Th.HP Std	1.0	1.8	2.6	3.7	4.0	4.2	4.4	4.7
	Th.HP Fan	1.5	2.7	3.9	5.6	6.0	6.3	6.6	7.1
	Efficiency	57	63	67	73	74	75	76	76
	O.T. / Shaft	28,300	28,700	28,350	25,700	23,550	21,900	19,500	15,700
60	Me.HP	1.5	2.8	3.9	6.2	7.0	7.7	8.9	10.9
	Th.HP Std	0.9	1.5	2.1	3.3	3.5	3.7	4.0	4.3
	Th.HP Fan	1.4	2.3	3.2	5.0	5.3	5.6	6.0	6.5
	Efficiency	56	62	64	69	71	72	73	73
	O.T. / Shaft	27,800	28,750	27,550	24,400	22,850	21,100	18,700	15,050
70	Me.HP	1.3	2.4	3.3	5.3	6.0	6.6	7.7	9.4
	Th.HP Std	0.7	1.3	1.8	2.9	3.3	3.4	3.7	3.8
	Th.HP Fan	1.1	2.0	2.7	4.4	5.0	5.1	5.6	5.7
	Efficiency	55	61	63	68	70	71	72	72
	O.T. / Shaft	27,600	28,250	26,750	24,000	22,550	20,800	18,650	14,950

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