

0107

DuoDrive Size D35 (expanded rating table)

Reducer Size		7.00 Inch (Center Distance at Output Shafts)							
35		Worm RPM							
Ratio to 1		100	200	300	580	720	870	1150	1750
5	Me.HP	4.5	8.3	11.6	18.9	21.7	24.0	27.9	34.4
	Th.HP Std	2.0	3.4	4.3	6.2	6.9	7.4	8.0	8.8
	Th.HP Fan	2.9	5.0	6.5	9.2	10.3	11.1	12.0	13.2
	Efficiency	89	90	91	91	91	92	92	92
	O.T. / Shaft	11,100	10,250	9,700	8,200	7,550	7,000	6,200	5,000
10	Me.HP	2.9	5.3	7.5	12.6	14.5	16.2	18.8	23.4
	Th.HP Std	1.3	2.3	3.3	5.0	5.5	5.9	6.3	6.7
	Th.HP Fan	2.0	3.5	5.0	7.5	8.3	8.9	9.5	10.1
	Efficiency	83	85	86	87	87	89	90	90
	O.T. / Shaft	13,300	12,450	11,900	10,450	9,700	9,150	8,150	6,650
15	Me.HP	2.1	3.7	5.3	8.9	10.3	11.5	13.3	16.7
	Th.HP Std	0.9	1.6	2.3	3.9	4.5	5.0	5.8	5.3
	Th.HP Fan	1.4	2.4	3.5	5.9	6.8	7.5	8.7	8.0
	Efficiency	79	81	82	85	85	87	88	88
	O.T. / Shaft	13,750	12,400	12,000	10,800	10,100	9,550	8,450	6,950
20	Me.HP	1.6	2.9	4.0	6.8	7.9	8.9	10.3	12.9
	Th.HP Std	0.7	1.3	1.8	3.0	3.5	3.9	4.3	4.5
	Th.HP Fan	1.1	2.0	2.7	4.5	5.3	5.9	6.5	6.8
	Efficiency	75	77	78	83	83	83	84	85
	O.T. / Shaft	13,250	12,350	11,500	10,750	10,050	9,400	8,300	6,950
25	Me.HP	1.3	2.3	3.3	5.5	6.4	7.2	8.3	10.4
	Th.HP Std	0.6	1.0	1.5	2.4	2.8	3.1	3.6	3.7
	Th.HP Fan	0.9	1.5	2.3	3.6	4.2	4.7	5.4	5.6
	Efficiency	71	75	77	81	81	83	84	84
	O.T. / Shaft	12,750	11,900	11,700	10,600	9,950	9,500	8,400	6,900
30	Me.HP	1.1	1.9	2.8	4.6	5.4	6.0	7.0	8.7
	Th.HP Std	0.5	0.9	1.2	2.0	2.4	2.6	3.1	3.2
	Th.HP Fan	0.8	1.4	1.8	3.0	3.6	3.9	4.7	4.8
	Efficiency	68	70	72	75	75	79	80	80
	O.T. / Shaft	12,400	11,000	11,150	9,850	9,350	9,050	8,100	6,600
40	Me.HP	0.8	1.5	2.1	3.5	4.0	4.5	5.3	6.6
	Th.HP Std	0.4	0.7	0.9	1.5	1.8	2.0	2.3	2.8
	Th.HP Fan	0.6	1.1	1.4	2.3	2.7	3.0	3.5	4.2
	Efficiency	61	63	67	72	75	75	76	76
	O.T. / Shaft	10,800	10,450	10,350	9,600	9,200	8,600	7,750	6,350
50	Me.HP	0.7	1.2	1.7	2.8	3.3	3.7	4.2	5.3
	Th.HP Std	0.3	0.5	0.8	1.3	1.4	1.6	1.9	2.3
	Th.HP Fan	0.5	0.8	1.2	2.0	2.1	2.4	2.9	3.5
	Efficiency	54	60	64	70	70	72	73	73
	O.T. / Shaft	10,450	9,950	10,000	9,350	8,850	8,450	7,350	6,100
60	Me.HP	0.6	1.0	1.4	2.4	2.7	3.1	3.5	4.4
	Th.HP Std	0.3	0.5	0.6	1.1	1.2	1.4	1.6	2.0
	Th.HP Fan	0.5	0.8	0.9	1.7	1.8	2.1	2.4	3.0
	Efficiency	53	59	61	66	66	69	70	70
	O.T. / Shaft	10,550	9,800	9,450	9,050	8,200	8,150	7,050	5,850

Key: Me.HP = Mech. Input Power (HP) Th.HP Std = Ther. Input Power - No Fan
 O.T. / Shaft = Output Torque (Lb.-in) per shaft Th.HP Fan = Ther. Input Power - Fan