

0107

DuoDrive Size D70 (expanded rating table)

Reducer Size		14.00 Inch (Center Distance at Output Shafts)							
70		Worm RPM							
Ratio to 1		100	200	300	580	720	870	1150	1750
5	Me.HP	30.6	54.5	72.6	105.2	117.5	128.8	146.2	168.7
	Th.HP Std	8.6	13.0	16.7	23.8	26.6	28.7	31.0	34.1
	Th.HP Fan	12.9	19.5	25.1	35.7	39.9	43.1	46.5	51.2
	Efficiency	92	93	94	94	94	95	95	95
	O.T. / Shaft	77,550	69,800	62,700	47,000	42,300	38,800	33,300	25,250
10	Me.HP	19.7	35.6	48.7	72.1	81.2	89.6	102.6	119.6
	Th.HP Std	7.7	11.0	14.1	19.4	21.2	22.6	24.3	25.9
	Th.HP Fan	11.6	16.5	21.2	29.1	31.8	33.9	36.5	38.9
	Efficiency	86	88	89	90	90	92	93	93
	O.T. / Shaft	93,400	86,350	79,650	61,700	56,000	52,250	45,750	35,050
15	Me.HP	13.8	25.1	34.4	51.3	57.7	63.8	73.0	86.3
	Th.HP Std	8.0	9.6	11.9	16.0	17.2	18.2	19.2	20.5
	Th.HP Fan	12.0	14.4	17.9	24.0	25.8	27.3	28.8	30.8
	Efficiency	82	84	85	88	89	90	91	91
	O.T. / Shaft	93,600	87,200	80,600	64,400	59,000	54,600	47,800	37,150
20	Me.HP	10.6	19.2	26.4	39.4	44.4	48.8	56.0	66.3
	Th.HP Std	5.3	8.5	10.5	14.2	15.1	15.8	16.4	17.2
	Th.HP Fan	8.0	12.8	15.8	21.3	22.7	23.7	24.6	25.8
	Efficiency	78	80	81	86	86	86	87	88
	O.T. / Shaft	91,200	84,700	78,600	64,450	58,500	53,200	46,750	36,800
25	Me.HP	8.5	15.5	21.3	31.9	35.9	39.5	45.5	53.7
	Th.HP Std	4.3	7.3	9.1	12.4	12.9	13.3	13.7	14.2
	Th.HP Fan	6.5	11.0	13.7	18.6	19.4	20.0	20.6	21.3
	Efficiency	74	78	80	84	84	86	87	87
	O.T. / Shaft	86,700	83,350	78,300	63,700	57,750	53,850	47,450	36,800
30	Me.HP	7.2	13.0	17.9	26.8	30.1	33.1	38.1	45.2
	Th.HP Std	4.2	6.1	7.8	10.7	11.2	11.7	12.0	12.3
	Th.HP Fan	6.3	9.2	11.7	16.1	16.8	17.6	18.0	18.5
	Efficiency	71	73	75	78	81	82	83	83
	O.T. / Shaft	84,550	78,500	74,050	59,650	56,050	51,600	45,500	35,500
40	Me.HP	5.4	9.8	13.4	20.1	22.6	24.9	28.8	34.0
	Th.HP Std	2.7	4.9	6.5	11.5	9.6	10.0	10.4	10.7
	Th.HP Fan	4.1	7.4	9.8	17.3	14.4	15.0	15.6	16.1
	Efficiency	64	66	70	75	76	78	79	79
	O.T. / Shaft	76,250	71,350	68,950	57,350	52,650	49,250	43,650	33,850
50	Me.HP	4.3	7.9	10.8	16.2	18.2	20.0	23.1	27.3
	Th.HP Std	2.2	3.9	5.4	7.5	8.0	8.4	8.9	9.6
	Th.HP Fan	3.3	5.9	8.1	11.3	12.0	12.6	13.4	14.4
	Efficiency	57	63	67	73	74	75	76	76
	O.T. / Shaft	67,600	68,600	66,500	56,200	51,600	47,550	42,100	32,700
60	Me.HP	3.6	6.6	9.0	13.5	15.2	16.7	19.3	22.9
	Th.HP Std	1.8	3.3	4.5	6.6	7.0	7.4	8.1	8.6
	Th.HP Fan	2.7	5.0	6.8	9.9	10.5	11.1	12.2	12.9
	Efficiency	56	62	64	69	71	72	73	73
	O.T. / Shaft	66,700	67,700	63,550	53,150	49,600	45,750	40,550	31,600
70	Me.HP	3.1	5.7	7.7	11.6	13.0	14.3	16.5	19.6
	Th.HP Std	1.6	2.8	3.9	5.9	6.6	6.9	7.5	7.6
	Th.HP Fan	2.4	4.2	5.9	8.9	9.9	10.4	11.3	11.4
	Efficiency	55	61	63	68	70	71	72	72
	O.T. / Shaft	65,800	67,100	62,400	52,500	48,800	45,050	39,900	31,150

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