

0107

DuoDrive Size D80 (expanded rating table)

Reducer Size		16.00 Inch (Center Distance at Output Shafts)							
80		Worm RPM							
Ratio to 1		100	200	300	580	720	870	1150	1750
5	Me.HP	45.3	79.8	104.5	149.3	166.7	182.2	203.8	236.1
	Th.HP Std	9.4	14.3	18.4	26.1	29.3	31.5	34.1	37.5
	Th.HP Fan	14.1	21.4	27.5	39.2	43.9	47.3	51.1	56.2
	Efficiency	92	93	94	94	94	95	95	95
	O.T. / Shaft	114,950	102,250	90,250	66,700	60,000	54,850	46,450	35,350
10	Me.HP	29.3	52.9	71.6	104.8	118.0	129.3	148.8	173.1
	Th.HP Std	8.4	12.1	15.5	21.3	23.3	24.8	26.7	28.5
	Th.HP Fan	12.6	18.2	23.3	32.0	35.0	37.2	40.1	42.8
	Efficiency	86	88	89	90	90	92	93	93
	O.T. / Shaft	138,950	128,350	117,100	89,650	81,350	75,400	66,350	50,750
15	Me.HP	20.6	37.3	50.8	74.8	84.2	93.0	106.3	123.3
	Th.HP Std	8.6	10.5	13.0	17.6	18.8	19.9	21.1	22.5
	Th.HP Fan	12.9	15.8	19.5	26.4	28.2	29.9	31.7	33.8
	Efficiency	82	84	85	88	89	90	91	91
	O.T. / Shaft	139,700	129,550	119,050	93,850	86,100	79,600	69,600	53,050
20	Me.HP	15.8	28.6	39.0	57.6	64.7	71.6	81.6	95.2
	Th.HP Std	5.8	9.4	11.5	15.6	16.5	17.4	18.1	18.8
	Th.HP Fan	8.7	14.1	17.3	23.4	24.8	26.1	27.2	28.2
	Efficiency	78	80	81	86	86	86	87	88
	O.T. / Shaft	135,900	126,150	116,100	94,200	85,250	78,050	68,100	52,800
25	Me.HP	12.7	23.0	31.5	46.7	52.5	57.7	66.2	77.1
	Th.HP Std	4.7	8.0	9.9	13.6	14.1	14.6	15.0	15.6
	Th.HP Fan	7.1	12.0	14.9	20.4	21.2	21.9	22.5	23.4
	Efficiency	74	78	80	84	84	86	87	87
	O.T. / Shaft	129,550	123,650	115,800	93,250	84,450	78,650	69,050	52,850
30	Me.HP	10.7	19.3	26.4	39.1	44.1	48.6	55.7	64.9
	Th.HP Std	4.5	6.6	8.6	11.7	12.3	12.8	13.1	13.5
	Th.HP Fan	6.8	9.9	12.9	17.6	18.5	19.2	19.7	20.3
	Efficiency	71	73	75	78	81	82	83	83
	O.T. / Shaft	125,650	116,500	109,150	87,000	82,050	75,800	66,500	50,950
40	Me.HP	8.0	14.6	19.9	29.5	33.2	36.6	41.9	49.0
	Th.HP Std	2.9	5.4	7.2	12.3	10.5	11.0	11.4	11.8
	Th.HP Fan	4.4	8.1	10.8	18.5	15.8	16.5	17.1	17.7
	Efficiency	64	66	70	75	76	78	79	79
	O.T. / Shaft	112,900	106,250	102,400	84,150	77,300	72,400	63,500	48,800
50	Me.HP	6.5	11.7	16.0	23.7	26.6	29.4	33.6	39.3
	Th.HP Std	2.4	4.3	5.9	8.3	8.7	9.2	9.8	10.5
	Th.HP Fan	3.6	6.5	8.9	12.5	13.1	13.8	14.7	15.8
	Efficiency	57	63	67	73	74	75	76	76
	O.T. / Shaft	102,150	101,600	98,500	82,250	75,400	69,900	61,250	47,050
60	Me.HP	5.4	9.8	13.3	19.8	22.2	24.5	28.1	32.8
	Th.HP Std	2.0	3.6	5.0	7.3	7.7	8.1	8.9	9.4
	Th.HP Fan	3.0	5.4	7.5	11.0	11.6	12.2	13.4	14.1
	Efficiency	56	62	64	69	71	72	73	73
	O.T. / Shaft	100,050	100,500	93,850	77,950	72,450	67,100	59,000	45,300
70	Me.HP	4.6	8.4	11.4	17.0	19.1	21.0	24.1	28.2
	Th.HP Std	1.7	3.1	4.3	6.5	7.2	7.5	8.2	8.4
	Th.HP Fan	2.6	4.7	6.5	9.8	10.8	11.3	12.3	12.6
	Efficiency	55	61	63	68	70	71	72	72
	O.T. / Shaft	97,650	98,900	92,400	76,950	71,700	66,150	58,250	44,800

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