

0107

DuoDrive Size D120 (expanded rating table)

Reducer Size		24.00 Inch (Center Distance at Output Shafts)						
		Worm RPM						
Ratio to 1		100	200	300	580	720	870	1150
5	Me.HP	142.5	233.9	291.0	407.0	448.5	471.0	525.8
	Th.HP Std	19.8	30.6	40.6	57.8	64.7	72.3	78.1
	Th.HP Fan	29.7	45.9	60.8	86.7	97.0	108.5	117.2
	Efficiency	94	95	96	96	97	97	97
	O.T. / Shaft	369,100	306,200	256,650	185,700	166,550	144,750	122,250
10	Me.HP	93.5	160.9	206.2	293.5	324.0	354.2	386.7
	Th.HP Std	16.4	23.9	31.1	43.1	48.8	52.1	57.3
	Th.HP Fan	24.6	35.9	46.7	64.7	73.2	78.2	86.0
	Efficiency	88	90	91	92	94	94	95
	O.T. / Shaft	453,600	399,150	344,800	256,650	233,200	211,000	176,100
15	Me.HP	65.6	113.6	146.9	209.1	231.3	253.5	276.8
	Th.HP Std	13.6	20.2	25.2	34.9	37.8	40.5	43.4
	Th.HP Fan	20.4	30.3	37.8	52.4	56.7	60.8	65.1
	Efficiency	84	86	87	90	92	92	93
	O.T. / Shaft	455,650	403,950	352,300	268,300	244,400	221,700	185,100
20	Me.HP	50.3	87.4	112.8	160.9	178.1	195.3	214.7
	Th.HP Std	10.8	17.6	21.7	30.4	32.2	33.8	35.4
	Th.HP Fan	16.2	26.4	32.6	45.6	48.3	50.7	53.1
	Efficiency	80	82	83	88	88	88	89
	O.T. / Shaft	443,650	395,100	344,100	269,150	240,000	217,800	183,200
25	Me.HP	40.5	70.5	91.3	129.6	144.0	158.0	173.7
	Th.HP Std	8.6	14.8	18.7	26.0	27.1	28.4	29.5
	Th.HP Fan	12.9	22.2	28.1	39.0	40.7	42.6	44.3
	Efficiency	76	80	82	86	88	88	89
	O.T. / Shaft	424,200	388,650	343,950	264,850	242,550	220,250	185,300
30	Me.HP	34.0	59.1	76.7	108.6	120.7	132.3	146.2
	Th.HP Std	9.4	12.2	15.9	21.8	23.3	24.3	25.0
	Th.HP Fan	14.1	18.3	23.9	32.7	35.0	36.5	37.5
	Efficiency	73	75	77	80	84	84	85
	O.T. / Shaft	410,500	366,550	325,600	247,750	232,900	211,250	178,750
40	Me.HP	25.6	44.5	57.7	82.2	91.4	99.9	110.0
	Th.HP Std	5.3	9.7	13.1	24.4	19.6	20.5	21.3
	Th.HP Fan	8.0	14.6	19.7	36.6	29.4	30.8	32.0
	Efficiency	66	68	72	77	80	80	81
	O.T. / Shaft	372,600	333,650	305,350	240,650	223,950	202,600	170,850
50	Me.HP	20.5	35.7	46.4	65.9	73.3	80.2	88.2
	Th.HP Std	4.2	7.7	10.7	15.2	16.1	16.9	18.2
	Th.HP Fan	6.3	11.6	16.1	22.8	24.2	25.4	27.3
	Efficiency	59	65	69	75	77	77	78
	O.T. / Shaft	333,400	319,800	294,150	234,900	216,100	195,650	164,900
60	Me.HP	17.2	29.8	38.7	55.0	61.2	66.9	73.6
	Th.HP Std	3.5	6.4	9.0	13.3	14.1	14.9	16.3
	Th.HP Fan	5.3	9.6	13.5	20.0	21.2	22.4	24.5
	Efficiency	58	64	66	71	74	74	75
	O.T. / Shaft	330,000	315,450	281,650	222,700	208,050	188,250	158,800
70	Me.HP	14.7	25.6	33.2	47.2	52.5	57.4	63.2
	Th.HP Std	3.0	5.5	7.7	11.8	13.2	13.8	15.0
	Th.HP Fan	4.5	8.3	11.6	17.7	19.8	20.7	22.5
	Efficiency	57	63	65	70	73	73	74
	O.T. / Shaft	323,350	311,200	277,600	219,850	205,400	185,850	156,950

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