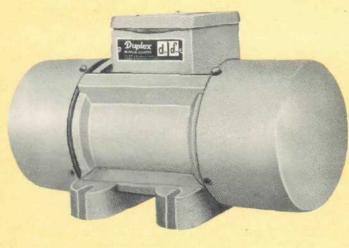
## UNBALANCE VIBRATOR MOTORS







Duplex make Vibrator Motors are robust, reliable, highly loadable, quiet-running and require no maintenance. Their essential characteristics are:

" generously dimensioned cylindrical roller bearing, self lubricating maintenance-free long life expectancy;

embedded in high-quality impregnating resin vibrationproof winding, insensitivity to damp and dust;

" dust-tight and water-tight through a sealing covering with special circular rubber washer;

robust terminal board, cast in synthetic resin;

reliable starting by means of a high-powered starting torque;

' quality-tested components, each motor tested under load:

' permanent and well legible setting marking of the unbalance weights;

" one or two solid lifting lugs;

- \* vibration-proof joining through the considerable tensility of the mounting screws;
- absolutley secure centrifugal mounting only the inner centrifugal weights are steplessly adjustable, the outer ones cannot even be dislodged through an unintentional loosening, due to the proviision of a retaining ring;

highly stressed casting of ductile cast iron;

universal mounting facilities through an optimum choice of interspacings in the base mounting.



## Technical Data

Centrifugal force range Operating torque range suitable for vibratory units Within working weight range Power connection

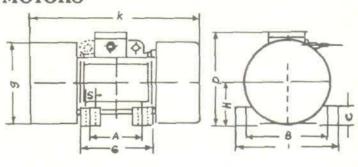
Rated consumption Ambient temperature Degree of protection

Insulation class

from 1850 to 70000 N from 3.7 to 1250 kg. cm.

from 35 to 3010 kgs from 3-phase current with 50 Hz, 415 V A.C. from 0.23 to 337 kw up to 60°C IP 65 as in DIN 40 050, p. 2, or IP 55 as in DINIEC 34, part 5

## UNBALANCE VIBRATOR MOTORS



			TA														
TYPE	max. ope- rating torque	max. centri- fugal force <sup>-11</sup>	suitable vibrato equipn within the we range	ry nent ight	weight (Approx)	rated output (consu- mption	rated current at 50 Hz 415 V					NSION	NS IN				
	Kg cm	И	of kg	to kg	kg	kw	А	а	b	С	6	1	g	h	k	p	_
				2 POLI	E MOTOR	S WITH	I APPRO	X. 28	300 r.	p.m.	N.						
DUP 1 Y	1.85	910	15	50	15	0.14	*	115	135	25	142	162	445	80	307	195	11
DUP 2 Y	3.7	1830	35	110	16	0.23	0.6	115	135	25	142	162	445	80	307	195	11
DUP 3 Y	6.0	2850	65	185	17	0.23	0.87	115	135	25	135	162	445	80	307	195	11
DUP 6 Y	12.5	6160	115	360	27	0.74	1.35	120	180	40	165	210	472	95	374	230	14
DUP 10 Y	21.0	10230	195	615	47	1.00	1.41	125	230	58	175	260	494	115	444	266	18
DUP 16 Y	32.5	16060	310	960	58	1.40	*	125	230	58	175	260	218	115	494	266	18
DUP 20 Y	41	20100	375	1200	85	2.00	*	165	260	60	230	330	258	135	540	300	27
DUP 30 Y	61	30000	530	1750	140	2.90	*	280	290	60	345	355	310	160	638	338	27
DUP 50 Y	100	49460	890	2890	255	6.10	*	350	400	70	420	470	348	185	810	400	33
				4 POL	Е МОТО	RS WIT	H APPRO	X. 1	430 r	.p.m							
DUD 4 V	3/15	4270	55							_	_	210	479	95	374	230	14
DUP 4 X	34.5	4270 6380	55	170	30	0.37	0.75	120	180	40	165	210	472	95 95	374	230	
DUP 6 X	51.5	6380	100	170 275	30 35	0.37 0.51	0.75 1.02	120 120	180 180	40 40	165 165	210	472	95	428	230	14
DUP 6 X DUP 10 X	51.5 77.5	6380 9550	100 160	170 275 415	30 35 55	0.37 0.51 0.83	0.75 1.02 1.48	120 120 125	180 180 230	40 40 58	165 165 175	210 260	472 494	95 115	428 444	230 266	14
DUP 6 X DUP 10 X DUP 16 X	51.5 77.5 130	6380 9550 16040	100 160 295	170 275 415 730	30 35 55 70	0.37 0.51 0.83 1.10	0.75 1.02 1.48 1.85	120 120 125 125	180 180 230 230	40 40 58 58	165 165 175 175	210 260 260	472 494 218	95 115 115	428 444 494	230 266 266	14 18 18
DUP 6 X DUP 10 X DUP 16 X DUP 25 X	51.5 77.5 130 209	6380 9550 16040 25780	100 160 295 495	170 275 415 730 1190	30 35 55 70 100	0.37 0.51 0.83 1.10 1.50	0.75 1.02 1.48 1.85 2.2	120 120 125 125 165	180 180 230 230 260	40 40 58 58 60	165 165 175 175 230	210 260 260 330	472 494 218 258	95 115 115 135	428 444 494 540	230 266 266 300	14 18 18 27
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X	51.5 77.5 130 209 300	6380 9550 16040 25780 37090	100 160 295 495 700	170 275 415 730 1190 1700	30 35 55 70 100 153	0.37 0.51 0.83 1.10 1.50 2.46	0.75 1.02 1.48 1.85 2.2	120 120 125 125 165 280	180 180 230 230 260 290	40 40 58 58 60 60	165 165 175 175 230 345	210 260 260 330 355	472 494 218 258 310	95 115 115 135 160	428 444 494 540 638	230 266 266 300 338	14 18 18 27 27
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X	51.5 77.5 130 209 300 547	6380 9550 16040 25780 37090 67600	100 160 295 495 700 1350	170 275 415 730 1190 1700 3170	30 35 55 70 100 153 283	0.37 0.51 0.83 1.10 1.50 2.46 5.13	0.75 1.02 1.48 1.85 2.2	120 120 125 125 165 280 350	180 180 230 230 260 290 400	40 40 58 58 60 60 70	165 165 175 175 230 345 420	210 260 260 330 355 470	472 494 218 258 310 348	95 115 115 135 160 185	428 444 494 540 638 740	230 266 266 300 338 400	14 18 18 27 27 30
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X	51.5 77.5 130 209 300	6380 9550 16040 25780 37090	100 160 295 495 700	170 275 415 730 1190 1700	30 35 55 70 100 153	0.37 0.51 0.83 1.10 1.50 2.46	0.75 1.02 1.48 1.85 2.2	120 120 125 125 165 280	180 180 230 230 260 290	40 40 58 58 60 60	165 165 175 175 230 345	210 260 260 330 355	472 494 218 258 310	95 115 115 135 160	428 444 494 540 638	230 266 266 300 338	14 14 18 18 27 27 30 39
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X	51.5 77.5 130 209 300 547	6380 9550 16040 25780 37090 67600	100 160 295 495 700 1350 1650	170 275 415 730 1190 1700 3170 4500	30 35 55 70 100 153 283	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50	0.75 1.02 1.48 1.85 2.2 * *	120 120 125 125 165 280 350 500	180 180 230 230 260 290 400 500	40 40 58 58 60 60 70 90	165 165 175 175 230 345 420	210 260 260 330 355 470	472 494 218 258 310 348	95 115 115 135 160 185	428 444 494 540 638 740	230 266 266 300 338 400	14 18 18 27 27 30
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X	51.5 77.5 130 209 300 547 843	6380 9550 16040 25780 37090 67600 104120	100 160 295 495 700 1350 1650	170 275 415 730 1190 1700 3170 4500	30 35 55 70 100 153 283 580 E MOTOR	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50	0.75 1.02 1.48 1.85 2.2 * * *	120 120 125 125 165 280 350 500	180 180 230 230 260 290 400 500	40 40 58 58 60 60 70 90	165 165 175 175 230 345 420 590	210 260 260 330 355 470 590	472 494 218 258 310 348 410	95 115 115 135 160 185 250	428 444 494 540 638 740 800	230 266 266 300 338 400 500	14 18 18 27 27 30 39
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W	51.5 77.5 130 209 300 547 843	6380 9550 16040 25780 37090 67600 104120	100 160 295 495 700 1350 1650	170 275 415 730 1190 1700 3170 4500	30 35 55 70 100 153 283 580	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50	0.75 1.02 1.48 1.85 2.2 * * * * * * * *	120 120 125 125 165 280 350 500 0X. 9	180 180 230 230 260 290 400 500 50 r.p	40 40 58 58 60 60 70 90 58 60	165 165 175 175 230 345 420 590	210 260 260 330 355 470 590 260 330	472 494 218 258 310 348 410 472 258	95 115 135 160 185 250 115 135	428 444 494 540 638 740 800	230 266 266 300 338 400 500	14 18 18 27 27 30 39
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W DUP 18 W	51.5 77.5 130 209 300 547 843	6380 9550 16040 25780 37090 67600 104120 10000 11460 17220	100 160 295 495 700 1350 1650	170 275 415 730 1190 1700 3170 4500 6 POL 375 405 665	30 35 55 70 100 153 283 580 E MOTOR	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50 RS WITH	0.75 1.02 1.48 1.85 2.2 * * * * * * * * * 1.70 2.16	120 120 125 125 165 280 350 500 0X. 9	180 180 230 230 260 290 400 500 50 r.p 230 260 260	40 40 58 58 60 60 70 90 58 60 60	165 165 175 175 230 345 420 590	210 260 260 330 355 470 590 260 330 330	472 494 218 258 310 348 410 472 258 258	95 115 135 160 185 250 115 135 135	428 444 494 540 638 740 800 494 540 600	230 266 266 300 338 400 500 266 300 300	14 18 27 27 30 39 18 27 27
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W DUP 18 W DUP 23 W	51.5 77.5 130 209 300 547 843	6380 9550 16040 25780 37090 67600 104120 10000 11460 17220 22930	100 160 295 495 700 1350 1650	170 275 415 730 1190 1700 3170 4500 6 POL	30 35 55 70 100 153 283 580 E MOTOR	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50 RS WITH	0.75 1.02 1.48 1.85 2.2 * * * * * * * *	120 120 125 125 165 280 350 500 0X. 9	180 180 230 230 260 290 400 500 50 r.p 230 260 260 260	40 40 58 58 60 60 70 90 58 60	165 165 175 175 230 345 420 590	210 260 260 330 355 470 590 260 330 330 330	472 494 218 258 310 348 410 472 258 258 258	95 115 135 160 185 250 115 135 135 135	428 444 494 540 638 740 800 494 540 600 672	230 266 300 338 400 500 266 300 300 300	14 18 27 30 39 18 27 27 27 27
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W DUP 18 W DUP 23 W DUP 35 W	51.5 77.5 130 209 300 547 843	6380 9550 16040 25780 37090 67600 104120 10000 11460 17220	100 160 295 495 700 1350 1650	170 275 415 730 1190 1700 3170 4500 6 POL 375 405 665	30 35 55 70 100 153 283 580 E MOTOR	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50 RS WITH	0.75 1.02 1.48 1.85 2.2 * * * * * * * * * 1.70 2.16	120 120 125 125 165 280 350 500 0X. 9	180 180 230 230 260 290 400 500 50 r.p 230 260 260	40 40 58 58 60 60 70 90 58 60 60	165 165 175 175 230 345 420 590	210 260 260 330 355 470 590 260 330 330	472 494 218 258 310 348 410 472 258 258	95 115 135 160 185 250 115 135 135	428 444 494 540 638 740 800 494 540 600	230 266 266 300 338 400 500 266 300 300	14 18 27 27 30 39 18 27 27
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W DUP 18 W DUP 23 W DUP 35 W DUP 53 W	51.5 77.5 130 209 300 547 843 182 209 314 418	6380 9550 16040 25780 37090 67600 104120 10000 11460 17220 22930	100 160 295 495 700 1350 1650 160 295 435	170 275 415 730 1190 1700 3170 4500 6 POL 375 405 665 930	30 35 55 70 100 153 283 580 E MOTOR	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50 RS WITH	0.75 1.02 1.48 1.85 2.2 * * * * * * * * * 1.70 2.16 2.90	120 120 125 125 165 280 350 500 <b>X.</b> 9:	180 180 230 230 260 290 400 500 50 r.p 230 260 260 260 290 400	40 40 58 58 60 60 70 90 .m. 58 60 60 60 60	165 165 175 175 230 345 420 590 175 230 230 230	210 260 260 330 355 470 590 260 330 330 330	472 494 218 258 310 348 410 472 258 258 258	95 115 135 160 185 250 115 135 135 135	428 444 494 540 638 740 800 494 540 600 672	230 266 300 338 400 500 266 300 300 300	14 18 27 30 38 27 27 27 27 27 27 27 27 33
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W DUP 18 W DUP 23 W DUP 35 W DUP 53 W DUP 71 W	51.5 77.5 130 209 300 547 843 182 209 314 418 631	6380 9550 16040 25780 37090 67600 104120 10000 11460 17220 22930 34620	100 160 295 495 700 1350 1650 160 295 435 700	170 275 415 730 1190 1700 3170 4500 6 POL 375 405 665 930 1440	30 35 55 70 100 153 283 580 E MOTOR	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50 RS WITH 1.00 1.00 1.24 1.67 2.30	0.75 1.02 1.48 1.85 2.2 * * * * * * * * * 1.70 2.16 2.90 5.57	120 120 125 125 165 280 350 500 <b>X.</b> 9 125 165 165 165 280	180 180 230 230 260 290 400 500 50 r.p 230 260 260 260 290	40 40 58 58 60 60 70 90 58 60 60 60 60 60	165 165 175 175 230 345 420 590 175 230 230 230 345	210 260 260 330 355 470 590 260 330 330 330 355	472 494 218 258 310 348 410 472 258 258 258 310	95 115 135 160 185 250 115 135 135 135 160	428 444 494 540 638 740 800 494 540 600 672 730	230 266 300 338 400 500 266 300 300 300 338	14 18 27 27 30 39 18 27 27 27 27 27
DUP 6 X DUP 10 X DUP 16 X DUP 25 X DUP 37 X DUP 63 X DUP 104 X DUP 10 W DUP 11 W DUP 18 W DUP 23 W DUP 35 W DUP 53 W	51.5 77.5 130 209 300 547 843 182 209 314 418 631 959	6380 9550 16040 25780 37090 67600 104120 10000 11460 17220 22930 34620 52610	100 160 295 495 700 1350 1650 160 295 435 700 990	170 275 415 730 1190 1700 3170 4500 6 POL 375 405 665 930 1440 2130	30 35 55 70 100 153 283 580 E MOTOR 73 95 110 132 180 305	0.37 0.51 0.83 1.10 1.50 2.46 5.13 7.50 RS WITH 1.00 1.00 1.24 1.67 2.30 2.74	0.75 1.02 1.48 1.85 2.2 * * * * * * * * 1.70 2.16 2.90 5.57 6.20	120 120 125 125 165 280 350 500 <b>X.</b> 9: 125 165 165 165 280 350	180 180 230 230 260 290 400 500 50 r.p 230 260 260 260 290 400	40 40 58 58 60 60 70 90 58 60 60 60 60 60 70	165 165 175 175 230 345 420 590 175 230 230 230 345 420	210 260 260 330 355 470 590 260 330 330 330 355 470	472 494 218 258 310 348 410 472 258 258 258 310 348	95 115 135 160 185 250 115 135 135 135 160 185	428 444 494 540 638 740 800 494 540 600 672 730 810	230 266 266 300 338 400 500 266 300 300 330 338 400	14 18 27 30 38 27 27 27 27 27 27 27 27 33

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