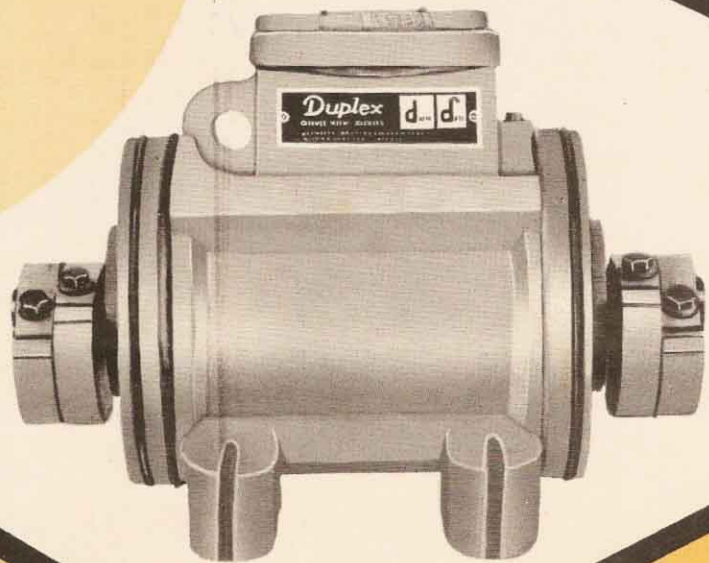
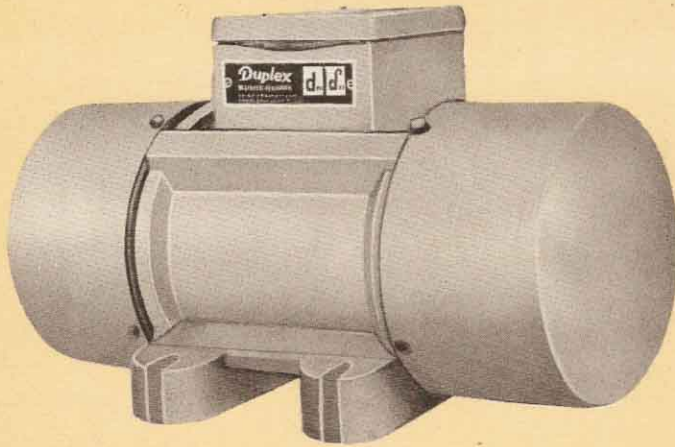


UNBALANCE VIBRATOR MOTORS

Duplex



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 vibration-proof 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;
- * absolutely 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 provision of a retaining ring;
- * highly stressed casting of ductile cast iron;
- * universal mounting facilities through an optimum choice of interspacings in the base mounting.

Duplex

Technical Data

Centrifugal force range	from 1850 to 70000 N
Operating torque range suitable for vibratory units	from 3.7 to 1250 kg. cm.
Within working weight range	from 35 to 3010 kgs
Power connection	from 3-phase current with 50 Hz, 415 V A.C.
Rated consumption	from 0.23 to 337 kw
Ambient temperature	up to 60°C
Degree of protection	IP 65 as in DIN 40 050, p. 2, or IP 55 as in DINIEC 34, part 5
Insulation class	F class

TABLE 2 UNBALANCE MOTOR TECHNICAL DATA

TYPE	max. operating torque	max. centrifugal force ⁻¹⁾	suitable for vibratory equipment within the weight range		weight (Approx)	rated output (consumption)	rated current at 50 Hz
	Kg cm	N	of kg	to kg	kg	hp	A

4 POLE MOTORS WITH APPROX. 1430 r.p.m.

DUP 4 X	34.5	4270	55	170	30	1	0.75
DUP 6 X	77.5	9550	100	275	35	2	1.02
DUP 10 X	90.5	12550	160	415	55	3	1.48
DUP 16 X	130	16040	295	730	70	4	1.85
DUP 25 X	209	25780	495	1190	100	5	2.2
DUP 37 X	300	37090	700	1700	153	6	*
DUP 63 X	547	67600	1350	3170	283	7.5	*
DUP 104 X	843	104120	1650	4500	580	10	*

6 POLE MOTORS WITH APPROX. 950 r.p.m.

DUP 10 W	182	10000	160	375	73	3	*
DUP 11 W	209	11460	160	405	95	4	1.70
DUP 18 W	314	17220	295	665	110	5	2.16
DUP 23 W	418	22930	435	930	132	6	2.90
DUP 35 W	631	34620	700	1440	180	7.5	5.57
DUP 53 W	959	52610	990	2130	305	10	6.20
DUP 71 W	1278	70160	1430	2950	350	12.5	8.60
DUP 92 W	1687	92137	1930	3900	600	15	*
DUP 122 W	2250	122850	2790	5470	640	17.5	*

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DUPLEX ENGINEERING WORKS