Polumschaltbare Motoren

Double Speed Motor

www.grafmotoren.eu

Wolfgang Graf
Elektromotoren

PV SERIES DOUBLE SPEED MOTOR

Polumschaltbare Motoren für Lüfterantriebe
mit einer Wicklung in Dahlander-Schaltung

2P=4/2 Y/YY 50HZ 1500/3000 Rpm

Type		Output (Kw)	Current A	Speed r/min	η %	Power factor	Mk/Mn	Imax/In	Mmax/Mn
	2	0.35	0.90	2755	69	0.81	2.3	6.1	2.2
71B	4	0.09	0.31	1300	58	0.72	2.1	4	2
	2	0.75	1.77	2845	68	0.82	2	7.5	1.8
80A	4	0.17	0.62	1310	58	0.62	1.4	5.5	1.8
	2	0.95	2.21	2835	70	0.81	2	7.5	1.8
80B	4	0.25	0.83	1340	64	0.65	1.4	5.5	1.8
	2	1.4	3.28	2850	71	0.82	2	7.5	1.8
90S	4	0.3	0.81	1340	70	0.72	1.4	5.5	1.8
	2	1.9	4.06	2850	75	0.86	2	7.5	1.8
90L	4	0.4	1.03	1390	72	0.73	1.4	5.5	1.8
	2	2.5	4.99	2855	82	0.87	2	7.5	1.8
100LA	4	0.65	1.71	1380	74	0.72	1.4	5.5	1.8
	2	3.1	6.07	2860	82	0.87	2	7.5	1.8
100LB	4	0.8	2.06	1380	76	0.72	1.4	5.5	1.8
	2	4.4	8.69	2860	82	0.88	2	7.5	1.8
112M	4	1.1	2.30	1390	80	0.74	1.4	5.5	1.8
	2	5.9	11.10	2900	83	0.91	1.9	7.5	1.8
132S	4	1.4	3.33	1400	80	0.74	1.3	5.5	1.8
	2	8	14.53	2900	85	0.91	1.9	7.5	1.8
132M	4	2	4.42	1410	83	0.77	1.3	5.5	1.8
	2	12.5	22.84	2930	86	0.91	1.9	7.5	1.8
160M	4	2.8	6.23	1410	85	0.75	1.3	5.5	1.8
	2	16.5	29.43	2930	87	0.91	1.9	7.5	1.8
160L	4	3.8	8.21	1425	86	0.76	1.3	5.5	1.8

Polumschaltbare Motoren für Lüfterantriebe
mit einer Wicklung in Dahlander-Schaltung

2P=8/4 Y/YY 50HZ 750/1500 Rpm									
Type		Output (Kw)	Current A	Speed r/min	η %	Power factor	Mk/Mn	Imax/In	Mmax/Mn
80A	4	0.5	1.3	1370	66	0.8	1.8	6.5	1.8
	8	0.12	0.56	645	50	0.6	1.4	4.5	1.8
80B	4	0.7	1.8	1390	68	0.81	1.8	6.5	1.8
	8	0.18	0.8	660	52	0.61	1.4	4.5	1.8
90S	4	1	2.32	1390	70	0.82	1.9	7.5	1.8
	8	0.22	0.87	870	55	0.62	1.5	5	1.8
90L	4	1.3	2.95	1390	72	0.82	1.9	7.5	1.8
	8	0.3	1.12	645	58	0.63	1.5	5	1.8
100L1	4	2	4.45	1410	80	0.8	1.9	7.5	1.8
	8	0.55	0.52	680	65	0.61	1.5	5	1.8
100L2	4	2.4	5.21	1410	80	0.81	1.9	7.5	1.8
	8	0.65	2.25	680	66	0.61	1.5	5	1.8
112M	4	3.2	7.03	1420	83	0.78	1.9	7.5	1.8
	8	0.9	3.08	680	71	0.59	1.5	5	1.8
132S	4	4.5	9.20	1435	84	0.82	2	7.5	1.8
	8	1.1	3.50	680	75	0.59	1.2	5	1.8
132M	4	6.3	12.47	1440	85	0.83	2	7.5	1.8
	8	1.5	4.60	680	78	0.59	1.2	5	1.8
160M	4	8.9	17.23	1450	85	0.85	2	7.5	1.8
	8	2	5.07	690	82	0.67	1.2	5	1.8
160L	4	12	22.30	1460	86	0.86	2	7.5	1.8
	8	2.7	6.56	700	84	0.67	1.2	5	1.8
180M	4	16	30.18	1460	88	0.85	2	7.5	1.8
	8	4	10.29	720	84	0.65	1.2	5	1.8
180L	4	19.5	36.63	1470	89	0.85	2	7.5	1.8
	8	5	12.65	720	85	0.66	1.2	5	1.8
200L	4	29	53.96	1470	90	0.85	2	7.5	1.8
	8	7.5	18.59	720	87	0.66	1.2	5	1.8
225M	4	40	70.84	1475	91	0.88	2	7.5	1.8
	8	9.5	24.16	725	88	0.64	1.3	5	1.8
250M	4	52	92.43	1475	91	0.87	2	7.5	1.8
	8	14.5	35.12	730	88	0.66	1.3	5	1.8
280S	4	65	116.60	1480	91	0.87	2	7.5	1.8
	8	17	39.64	730	89	0.68	1.3	5	1.8
280M	4	75	130.52	1480	91	0.88	2	7.5	1.8
	8	18.5	41.67	740	90	0.7	1.3	5	1.8

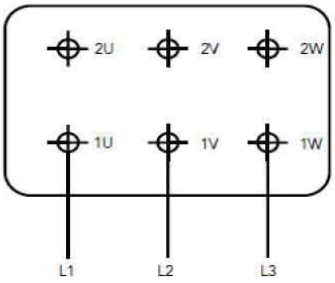
Polumschaltbare Motoren für Lüfterantriebe
mit zwei getrennten Wicklungen

2P=6/4 Y/Y 50HZ 1000/1500Rpm

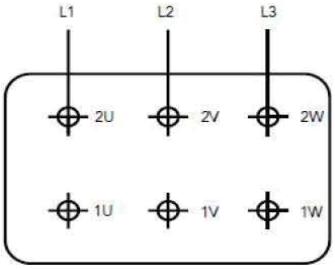
Type		Output (Kw)	Current A	Speed r/min	η %	Power factor	Mk/Mn	Imax/In	Mmax/Mn
	4	0.55	1.70	1390	71	0.75	2.4	5.2	1.8
80B	6	0.18	0.80	870	56	0.66	2	4	1.8
	4	0.75	2.40	1380	73	0.76	2.3	6	1.8
90S	6	0.25	1.00	870	59	0.68	2	4	1.8
	4	1.1	3.00	1390	76.2	0.773	2.3	6	1.8
90L	6	0.37	1.40	880	62	0.7	2	4.7	1.8
	4	1.5	4.30	1400	78.5	0.78	2.3	6	1.8
100L1	6	0.55	1.90	880	65	0.72	2	4.74	1.8
	4	2.2	5.30	1410	80	0.81	2.3	7	1.8
100L2	6	0.75	2.50	905	69	0.72	2.1	5.3	1.8
	4	3	6.90	1410	72.6	0.82	2.3	7	1.8
112M	6	0.9	3.30	905	69	0.72	2.1	5.3	1.8
	4	4	9.00	1435	74.2	0.82	2.3	7	1.8
132S	6	1.2	3.50	905	76	0.76	2.1	5.5	1.8
	4	5.5	12.00	1440	85.7	0.83	2.3	7	1.8
132M	6	1.7	4.50	905	76	0.76	2.3	5.5	1.8
	4	7.5	15.00	1450	87	0.84	2.3	7	1.8
160M	6	2.5	6.00	935	79	0.76	2.1	6.5	1.8
	4	11	22.50	1460	88.4	0.84	2.2	7	1.8
160L	6	3.3	8.00	960	81	0.76	2.1	6.5	1.8
	4	14	30.00	1460	89.4	0.85	2.2	7.5	1.8
180M	6	5	13.00	960	84	0.77	2.1	6.5	1.8
	4	18.5	36.00	1470	90	0.86	2.2	7.5	1.8
180L	6	7	19.00	970	86	0.78	2.1	6.5	1.8
	4	24	44.00	1470	90.5	0.86	2.2	7.5	1.8
200L	6	8	16.50	970	86	0.78	2.1	6.5	1.8
	4	33	60.00	1470	91.4	0.86	2.2	7.2	1.8
225S	6	11	26.50	970	87.5	0.79	2.1	6.5	1.8
	4	37	68.00	1475	92	0.87	2.2	7.2	1.8
225M	6	14	31.00	970	89	0.81	2	7	1.8
	4	45	80.00	1475	92.5	0.87	2.2	7.2	1.8
250M	6	17	35.00	975	90	0.81	2.1	7	1.8

* Andere Polepaarzahlen auf Anfrage.
*Other numbers of poles on request.

P/PV-two separate windings

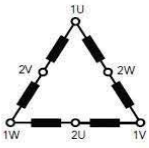


Low speed



High speed

P - Dahlander connection Δ/YY



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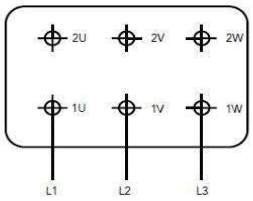
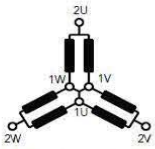
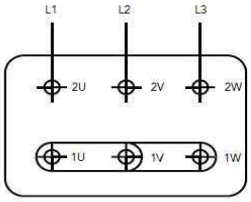
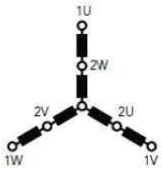




High speed



PV - Dahlander connection Y/YY



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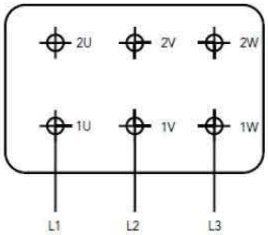

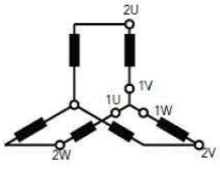

High speed