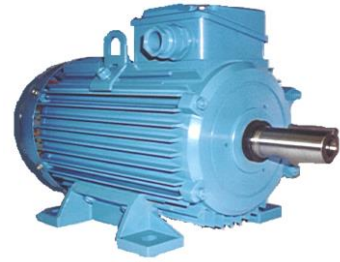
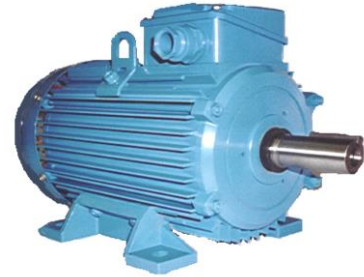


POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg
2/4 Polig, zwei Wicklungen,			2/4 Pole, two separate windings, with one Dahlander connection								
HDU 71 B-2/4	0.37	2840	0.94	0.79	72	1.2	2.5	5.5	2.8	0.0006	7
	0.25	1420	0.87	0.57	73	1.7	2.5	3.9	2.9		
HDU 71 C-2/4	0.55	2830	1.4	0.80	71	1.9	2.2	4.7	2.7	0.0008	8
	0.37	1410	1.3	0.63	67	2.5	2.5	3.9	2.8		
HDU 80 A-2/4	0.60	2850	1.7	0.78	67	2.0	2.3	4.3	2.5	0.0014	11
	0.48	1410	1.4	0.75	68	3.3	1.8	3.7	2.2		
HDU 80 B-2/4	0.75	2865	2.0	0.78	69	2.5	2.2	4.7	2.8	0.0018	12
	0.60	1410	1.7	0.75	70	4.1	2.0	4.2	2.4		
HDU 80 C-2/4	1.10	2885	3.5	0.68	67	3.6	2.9	4.6	2.8	0.0023	13
	0.75	1430	2.3	0.65	72	5.0	2.9	4.8	2.9		
HDU 90 S-2/4	1.4	2850	3.4	0.84	72	4.7	2.0	5.2	2.9	0.0030	16
	1.0	1415	2.7	0.76	60	6.7	1.8	4.4	2.5		
HDU 90 LA-2/4	1.7	2900	4.5	0.74	73	5.6	2.7	5.8	2.9	0.0037	17
	1.2	1440	3.4	0.71	74	8.0	2.0	3.5	2.8		
HDU 90 LB-2/4	2.2	2900	5.4	0.76	77	7.2	2.6	6.1	2.7	0.0041	18
	1.5	1450	3.9	0.69	80	9.9	2.9	5.9	2.9		
HDU 100 LA-2/4	2.5	2850	5.8	0.78	80	8.4	2.2	5.2	2.9	0.0054	23
	1.8	1420	4.3	0.74	82	12.1	2.2	4.4	2.4		
HDU 100 LB-2/4	3.0	2870	6.8	0.85	75	10.0	2.4	6.2	2.9	0.0066	25
	2.2	1420	5.1	0.80	78	14.8	2.4	5.5	2.8		
HDU 112 MA-2/4	4.0	2870	8.4	0.87	79	13.3	2.0	6.4	2.9	0.0084	30
	3.0	1420	6.6	0.80	82	20.2	2.0	5.2	2.5		
HDU 112 MB-2/4	4.8	2875	10.3	0.84	80	15.9	2.2	5.8	2.8	0.0090	33
	3.6	1420	7.9	0.80	83	24.2	2.3	5.2	2.9		
HDU 132 SA-2/4	6.0	2880	12.2	0.89	80	19.9	2.0	6.2	2.4	0.0114	52
	4.5	1435	10.8	0.74	81	29.9	2.0	4.7	2.4		
HDU132 SB-2/4	7.5	2890	15.3	0.85	83	24.8	2.5	6.4	2.6	0.0143	56
	5.8	1435	11.1	0.72	82	38.6	2.4	5.4	2.4		
HDU 132 MA-2/4	9.2	2900	18.3	0.86	84	30.3	2.5	7.6	2.7	0.0171	58
	7.1	1440	17.5	0.69	85	47.1	2.6	5.2	2.6		
HDU 132 MB-2/4	11	2890	21.3	0.92	81	36.3	2.2	6.3	2.5	0.019	62
	8.5	1420	19.8	0.71	87	57.0	2.2	4.5	2.1		
HDU 160 M-2/4	11	2880	23.0	0.91	77	36.5	1.8	5.5	2.0	0.062	130
	9	1450	18.5	0.79	89	59.0	2.0	5.5	2.2		
HDU 160 L-2/4	14	2890	27.5	0.91	81	46.3	2.0	6.0	2.2	0.08	135
	12	1460	24.0	0.79	92	78.0	2.3	6.0	2.6		
HDU 180 M-2/4	18.5	2900	36.0	0.86	86	61.0	2.0	6.0	2.2	0.09	170
	16	1460	31.5	0.79	93	105	2.3	6.0	2.6		
HDU 180 L-2/4	25	2920	48.5	0.87	86	82.0	2.2	6.5	2.5	0.15	185
	21	1465	40.5	0.80	94	137	2.2	6.0	2.5		

POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m ²	kg

2/4 Polig, zwei Wicklungen, eine davon ist eine Dahlander
2/4 Pole, two separate windings, with one Dahlander connection

HDU 200 L-2/4	30	2920	58.0	0.87	86	98	2.2	7.0	2.5	0.19	245
	26	1465	49.5	0.83	92	169	2.0	6.5	2.2		
HDU 225 S-2/4	37	2930	68	0.91	86	121	2.2	7.5	2.5	0.37	290
	31	1465	56	0.87	92	202	2.2	6.5	2.5		
HDU 225 M-2/4	45	2930	82	0.92	86	149	2.2	7.5	2.5	0.40	310
	37	1470	67	0.86	92	240	2.2	6.5	2.5		
HDU 250 M-2/4	55	2930	100	0.91	87	100	2.2	7.5	2.5	0.50	380
	45	1470	81	0.86	93	292	2.2	6.5	2.2		
HDU 280 S-2/4	72	2950	127	0.90	91	231	1.8	7.0	2.7	1.10	510
	60	1470	107	0.87	93	418	2.0	6.9	2.6		
HDU 280 M-2/4	85	2950	152	0.89	91	269	1.7	6.9	2.7	1.40	590
	75	1470	135	0.86	93	519	2.0	6.7	2.6		
HDU 315 S-2/4	95	2970	168	0.88	93	307	1.8	7.0	2.8	1.75	980
	85	1480	156	0.84	94	542	2.0	5.7	2.7		
HDU 315 M-2/4	115	2970	202	0.88	93	371	1.9	7.2	2.9	2.10	1080
	95	1480	175	0.83	94	414	1.9	5.8	2.8		
HDU 315 LA-2/4	132	2970	228	0.89	94	423	1.9	7.1	2.9	2.27	1170
	110	1480	202	0.83	95	707	1.8	5.5	2.8		
HDU 315 LB-2/4	165	2970	290	0.88	94	530	1.9	7.1	2.9	2.42	1220
	135	1480	250	0.82	95	1064	1.9	5.6	2.9		



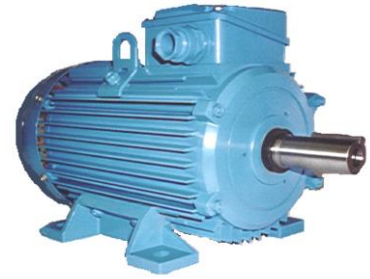


POLUMSCHALTBARE DREHSTROMMOTOREN

POLE - CHANGING THREE PHASE MOTORS

MOTEUR TRIPHASÉ À DOUBLE POLARITÉ

400 V - 50 Hz - CL F - IP55



Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg

2/6 Polig, zwei Wicklungen

2/6 Pole, two separate windings

HDU 71 A-2/6	0.18 0.065	2830 880	0.92 0.51	0.66 0.53	43 35	0.61 0.81	2.6 3.0	2.8 2.0	3.3 3.0	0.0011	7
HDU 71 B-2/6	0.25 0.095	2820 890	0.83 0.68	0.76 0.48	58 42	0.85 1.0	2.3 2.7	3.5 2.0	2.5 2.7	0.0011	8
HDU 80 A-2/6	0.37 0.14	2770 905	1.04 0.60	0.79 0.68	65 49	1.3 1.5	2.4 2.1	3.4 2.6	2.3 2.0	0.0023	9
HDU 80 B-2/6	0.55 0.21	2730 925	1.65 0.84	0.89 0.68	63 53	1.9 2.2	2.2 2.0	3.4 2.7	2.0 2.2	0.0027	11
HDU 90 S-2/6	0.75 0.30	2790 925	2.40 1.07	0.73 0.65	62 62	2.6 3.1	2.6 2.5	3.9 3.3	2.6 2.5	0.0034	14
HDU 90 LA-2/6	1.10 0.42	2770 900	3.10 1.46	0.78 0.68	66 61	3.8 4.5	2.6 2.2	4.5 3.0	2.6 2.1	0.0047	16
HDU 90 LB-2/6	1.50 0.55	2720 915	3.80 1.80	0.82 0.69	70 64	5.3 5.7	2.4 2.3	3.7 3.3	2.4 2.4	0.0051	18
HDU 100 LA-2/6	1.50 0.55	2820 910	3.40 1.90	0.85 0.65	75 64	5.1 5.8	2.5 2.2	4.8 3.0	2.5 2.2	0.0066	23
HDU 100 LB-2/6	1.85 0.75	2800 905	4.10 2.35	0.88 0.64	74 72	6.3 7.9	2.4 2.4	4.8 3.6	2.4 2.3	0.0072	24
HDU 112 MA-2/6	2.20 0.90	2805 895	4.75 2.95	0.88 0.62	76 71	7.5 9.6	2.6 2.2	4.9 3.0	2.7 2.2	0.0084	30
HDU 112 MB-2/6	3.00 1.10	2770 890	6.50 3.40	0.88 0.66	76 71	10.3 11.8	2.2 2.3	4.4 2.9	2.2 2.2	0.0090	34
HDU 132 S-2/6	4.00 1.50	2800 965	9.50 4.85	0.8 0.58	76 64	13.6 14.8	2.6 2.9	5.2 4.3	2.7 2.9	0.0222	53
HDU 132 MA-2/6	5.50 2.20	2850 930	12.30 6.70	0.82 0.64	79 72	18.4 22.6	2.9 2.2	5.6 3.5	2.9 2.2	0.0270	57
HDU 132 MB-2/6	7.50 3.00	2870 900	15.60 9.20	0.85 0.64	82 74	25.0 31.8	2.8 2.1	6.5 3.6	2.8 2.1	0.0333	62



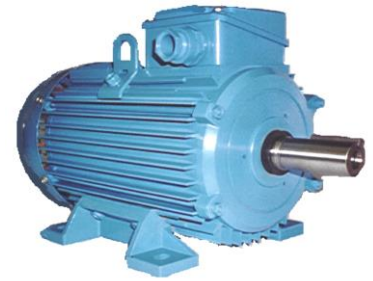


POLUMSCHALTBARE DREHSTROMMOTOREN

POLE - CHANGING THREE PHASE MOTORS

MOTEUR TRIPHASÉ À DOUBLE POLARITÉ

400 V - 50 Hz - CL F - IP55



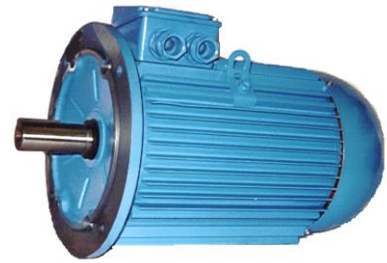
Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg

2/8 Polig, zwei Wicklungen

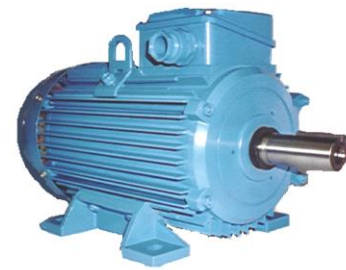
2/8 Pole, two separate windings

HDU 71 A-2/8	0.18 0.045	2830 650	0.92 0.47	0.66 0.51	43 28	0.61 0.66	2.6 3	2.8 1.6	3.3 3.1	0.0009	7
HDU 71 B-2/8	0.25 0.060	2820 650	0.83 0.61	0.76 0.44	58 32	0.85 0.88	2.3 2.8	3.5 1.5	2.5 2.7	0.0011	8
HDU 80 A-2/8	0.37 0.09	2770 695	1.04 0.59	0.79 0.55	65 40	1.3 1.2	2.4 2.5	3.4 2.1	2.3 2.7	0.0027	10
HDU 80 B-2/8	0.55 0.13	2730 670	1.65 0.80	0.89 0.54	63 44	1.9 1.9	2.2 2.0	3.4 2.0	2.0 2.0	0.0032	12
HDU 90 SA-2/8	0.75 0.18	2790 690	2.40 1.07	0.73 0.54	62 45	2.6 2.5	2.6 2.5	3.9 2.6	2.6 2.5	0.0034	14
HDU 90 SB-2/8	0.92 0.22	2760 690	2.85 1.23	0.77 0.55	61 47	3.2 3.0	2.4 2.3	3.4 2.1	2.4 2.3	0.0038	17
HDU 90 LA-2/8	1.10 0.28	2770 690	3.10 1.50	0.78 0.56	66 48	3.8 3.9	2.6 2.4	4.5 2.7	2.6 2.4	0.0047	18
HDU 100 LA-2/8	1.50 0.37	2820 690	3.40 2.15	0.85 0.49	75 51	5.1 5.1	2.5 2.7	4.8 2.4	2.5 2.7	0.0066	23
HDU 100 LB-2/8	1.85 0.45	2800 690	4.10 2.25	0.88 0.49	74 59	6.3 6.2	2.4 2.6	4.8 2.5	2.4 2.6	0.0072	25
HDU 112 MA-2/8	2.20 0.55	2805 670	4.75 2.85	0.88 0.48	76 59	7.5 7.8	2.6 2.2	4.9 2.2	2.7 2.2	0.0084	29
HDU 112 MB-2/8	3.00 0.75	2700 660	6.50 3.40	0.88 0.51	76 62	10.3 10.9	2.2 2.2	4.4 2.6	2.2 2.0	0.0090	35
HDU 132 S-2/8	4.0 1.1	2800 690	9.50 4.60	0.80 0.49	76 71	13.6 15.2	2.6 2.2	5.2 2.9	2.7 2.2	0.0222	53
HDU 132 MA-2/8	5.5 1.5	2850 700	12.3 6.50	0.82 0.47	79 71	18.4 20.5	2.9 2.3	5.6 2.7	2.9 2.5	0.0270	60
HDU 132 MB-2/8	7.5 2.1	2870 685	15.6 8.50	0.85 0.51	82 70	25.0 28.3	2.8 1.9	6.0 2.4	3.2 2.0	0.0333	63



POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ

400 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs- faktor	Wirkungs- grad	Bemess. Drehmom.	Anzugs- moment	Anzugs- strom	Kipp- moment	Trägheits- moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m ²	kg
2/12 Polig, zwei Wicklungen			2/12 Pole, two separate windings								
HDU 80 A-2/12	0.30 0.04	2815 430	0.97 0.54	0.76 0.49	58 25	1.0 1.0	2.5 2.4	3.9 1.4	2.5 2.4	0.0027	11
HDU 80 B-2/12	0.45 0.07	2815 435	1.27 0.74	0.82 0.55	63 25	1.5 1.5	2.4 2.4	4.0 1.5	2.4 2.4	0.0032	13
HDU 90 S-2/12	0.75 0.11	2765 420	2.15 0.97	0.80 0.49	63 33	2.6 2.5	2.4 2.2	3.9 1.5	2.4 2.2	0.0038	14
HDU 90 L-2/12	1.10 0.15	2750 400	3.10 1.27	0.81 0.53	64 32	3.8 3.6	2.4 2.0	3.6 1.4	2.4 2.0	0.0047	17
HDU 100 LA-2/12	1.50 0.21	2820 420	3.40 1.75	0.85 0.42	75 41	5.1 4.8	2.5 2.2	4.8 1.6	2.5 2.2	0.0066	19
HDU 100 LB-2/12	1.85 0.27	2800 400	4.10 1.95	0.88 0.47	74 43	6.3 6.4	2.4 1.7	4.8 1.7	2.4 1.7	0.0072	24
HDU 112 MA-2/12	2.20 0.33	2805 415	4.75 2.60	0.88 0.45	76 41	7.5 7.6	2.6 1.8	4.9 1.5	2.7 1.7	0.0084	30
HDU 112 MB-2/12	3.00 0.42	2755 400	6.50 2.95	0.88 0.46	76 44	10.3 10.0	2.2 1.9	4.4 1.5	2.2 1.9	0.0090	36
HDU 132 S-2/12	4.00 0.63	2800 445	9.50 5.20	0.80 0.35	76 50	13.6 13.5	2.6 2.0	5.2 1.9	2.7 2.0	0.0222	56
HDU 132 MA-2/12	5.50 0.90	2850 435	12.3 6.10	0.82 0.40	79 52	18.4 6.1	2.9 1.5	5.6 1.7	2.9 1.7	0.0270	61
HDU 132 MB-2/12	7.50 1.20	2870 430	15.6 7.90	0.85 0.44	82 50	25.0 26.7	2.8 1.7	6.0 1.6	3.2 1.7	0.0333	65

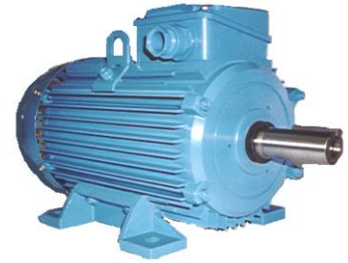


Type	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs- faktor	Wirkungs- grad	Bemess. Drehmom.	Anzugs- moment	Anzugs- strom	Kipp- moment	Trägheits- moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m ²	kg

4/6 Polig, zwei Wicklungen
4/6 Pole, two separate windings

HDU 71 A-4/6	0.15	1420	0.80	0.55	49	1.0	2.8	4.4	2.9	0.0011	7
	0.10	920	0.60	0.52	46	1.0	2.3	2.7	2.6		
HDU 71 B-4/6	0.25	1415	0.97	0.72	52	1.7	1.9	3.7	2.5	0.0011	8
	0.15	905	0.63	0.76	45	1.6	1.5	2.3	1.8		
HDU 80 A-4/6	0.37	1410	1.32	0.66	61	2.5	1.5	3.8	1.8	0.0027	10
	0.22	920	0.98	0.60	54	2.3	1.6	3.2	1.7		
HDU 80 B-4/6	0.50	1455	1.50	0.72	53	3.3	2.1	5.0	2.9	0.0032	12
	0.30	960	1.16	0.60	52	3.0	2.8	3.9	2.9		
HDU 90 S-4/6	0.66	1445	1.85	0.74	70	4.4	2.2	4.9	2.5	0.0034	13
	0.42	950	1.50	0.63	64	4.2	2.1	3.6	2.2		
HDU 90 LA-4/6	0.90	1430	2.65	0.78	64	6.0	1.7	3.8	2.3	0.0038	16
	0.60	940	2.15	0.65	62	6.1	1.9	3.4	2.1		
HDU 90 LB-4/6	1.10	1435	3.10	0.81	63	7.3	1.7	4.9	2.3	0.0047	18
	0.75	930	2.50	0.75	58	7.7	1.9	3.5	2.1		
HDU 100 L-4/6	1.50	1440	3.90	0.76	73	9.9	1.7	4.9	2.3	0.0101	23
	0.95	950	3.10	0.71	62	9.6	1.9	3.5	2.1		
HDU 112 MA-4/6	1.80	1450	4.50	0.86	67	11.9	1.7	6.5	2.1	0.0128	28
	1.20	950	3.60	0.79	61	12.1	1.6	5.0	1.7		
HDU 112 MB-4/6	2.20	1440	5.10	0.80	78	14.6	2.0	5.7	2.5	0.0138	30
	1.50	955	4.50	0.72	67	15.0	1.8	4.2	2.1		
HDU 132 S-4/6	2.80	1465	7.40	0.73	75	18.3	1.7	6.5	2.0	0.0237	56
	1.85	950	5.90	0.72	63	18.6	1.6	5.0	1.9		
HDU132 MA-4/6	3.60	1470	8.70	0.76	79	23.4	2.3	6.8	2.5	0.0271	60
	2.40	965	7.00	0.67	74	23.8	1.9	4.6	2.0		
HDU 132 MB-4/6	4.50	1450	13.0	0.77	65	29.6	2.1	6.5	2.3	0.0338	64
	3.00	950	10.0	0.68	64	10.0	2.0	4.4	2.1		
HDU 160 M-4/6	6.60	1470	14.3	0.80	84	42.9	1.9	6.0	2.1	0.063	131
	4.40	965	11.4	0.73	76	43.5	2.0	5.0	2.0		
HDU 160 L-4/6	8.80	1475	19.0	0.81	83	57.0	2.2	6.5	2.5	0.075	135
	6.00	970	14.3	0.72	84	59.0	2.2	5.5	2.2		
HDU 180 M-4/6	11.0	1475	23.0	0.81	86	71.0	2.2	6.8	2.5	0.09	176
	7.50	970	18.1	0.72	83	74.0	2.2	5.8	2.2		
HDU 180 LR-4/6	13.0	1475	25.5	0.81	91	84.0	2.2	7.0	2.5	0.16	180
	9.00	970	20.0	0.72	90	89.0	2.2	6.5	2.2		
HDU 180 L-4/6	15.0	1475	29.0	0.82	91	97.0	2.0	7.0	2.2	0.22	185
	10.0	970	21.5	0.73	92	98.0	2.2	6.5	2.2		
HDU 200 L-4/6	18.5	1475	35.0	0.84	90	120	2.0	7.0	2.2	0.27	225
	12.5	970	25.5	0.76	93	123	2.2	6.5	2.2		
HDU 225 S-4/6	25	1475	45.5	0.88	90	162	2.0	6.5	2.2	0.42	290
	16	970	33.5	0.75	93	158	2.2	6.5	2.5		



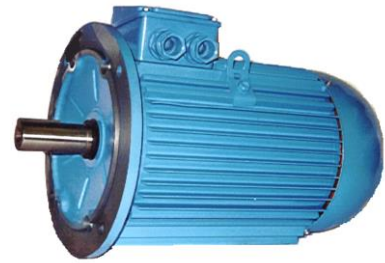
POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ

400 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg

4/6 Polig, zwei Wicklungen
4/6 Pole, two separate windings

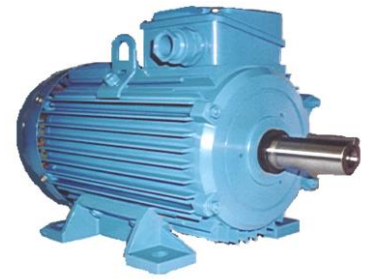
HDU 225 M-4/6	31	1470	59.0	0.84	90	201	1.9	6.8	2.1	0.52	305
	20	970	39.0	0.80	93	197	2.2	7.0	2.5		
HDU 250 M-4/6	40	1480	73.0	0.87	91	258	2.0	7.0	2.2	0.67	410
	26	980	47.5	0.84	94	253	2.3	7.3	2.6		
HDU 280 S-4/6	65	1480	114	0.89	90	418	2.0	6.8	2.9	1.7	470
	43	980	78.0	0.88	89	415	1.9	5.6	2.7		
HDU 280 M-4/6	78	1485	137	0.90	90	501	2.0	6.9	2.5	2.0	545
	52	985	95	0.89	89	515	2.2	6.0	2.6		
HDU 315 S-4/6	90	1485	160	0.89	90	578	2.2	6.1	2.7	2.3	860
	60	985	120	0.87	91	580	2.8	5.8	2.7		
HDU 315 M-4/6	100	1485	179	0.88	92	647	2.2	6.1	2.5	2.8	950
	70	985	140	0.88	91	681	2.8	5.8	2.6		
HDU 315 LA-4/6	115	1490	200	0.89	91	743	2.2	6.1	2.8	3.3	1110
	80	990	150	0.87	92	780	2.8	5.8	2.7		
HDU 315 LB-4/6	140	1490	245	0.88	91	896	2.0	6.0	2.9	3.9	1180
	100	990	187	0.88	92	976	2.7	5.8	2.8		



POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m ²	kg
4/6 Polig, Dahlanderschaltung			4/6 Pole, Dahlander winding								
HDU 71 A-4/6	0.25 0.16	1380 910	0.95 0.80	0.67 0.55	57 52	1.7 1.7	2.0 2.3	3.5 3.0	2.3 2.3	0.0011	6.5
HDU71 B-4/6	0.37 0.24	1400 920	1.2 1.1	0.74 0.59	62 56	2.5 2.5	2.1 2.6	3.7 2.7	2.4 2.6	0.0012	7
HDU 80 A-4/6	0.50 0.36	1400 930	1.8 1.4	0.70 0.60	59 64	3.4 3.7	2.0 2.2	4.0 3.0	2.4 2.4	0.0027	9
HDU 80 B-4/6	0.66 0.48	1435 935	1.9 1.6	0.70 0.65	72 67	4.4 4.9	1.6 2.1	4.7 3.7	1.9 2.3	0.0032	11
HDU 90 S-4/6	0.95 0.65	1420 940	2.8 2.2	0.76 0.65	66 66	6.4 6.6	1.8 2.6	4.2 3.6	2.1 2.6	0.0038	13
HDU 90 LA-4/6	1.20 0.90	1415 920	3.4 2.9	0.82 0.74	63 62	8.1 9.3	1.7 2.4	4.4 3.8	2.0 2.5	0.0047	16
HDU 100 LA-4/6	1.85 1.3	1420 925	4.6 3.9	0.77 0.67	75 72	12.4 13.4	1.6 1.8	4.4 3.3	1.8 2.0	0.0054	22
HDU 100 LB-4/6	2.3 1.6	1420 930	5.5 4.6	0.79 0.65	76 77	15.5 16.4	1.9 2.1	4.6 4.0	2.6 2.2	0.0066	28
HDU 112 MA-4/6	3.0 2.0	1420 920	7.4 6.3	0.72 0.60	81 76	20.2 20.8	2.0 2.2	4.5 3.1	2.3 2.2	0.0084	30
HDU 132 S-4/6	4.5 3.0	1450 900	10.7 9.4	0.76 0.63	80 73	29.6 31.8	1.9 2.6	6.8 3.8	2.7 2.7	0.0203	54
HDU 132 MA-4/6	6.0 3.8	1450 950	13.5 10.8	0.81 0.66	79 77	39.5 38.2	1.6 2.6	6.6 6.0	2.5 2.6	0.0271	59
HDU 132 MB-4/6	7.5 4.8	1400 900	16.4 13.2	0.78 0.67	85 78	51.0 51.0	1.8 2.5	6.4 6.0	2.5 2.5	0.0338	63
HDU160 M-4/6	9.0 6.0	1440 945	21.0 18.7	0.77 0.63	80 74	60.0 61.0	2.0 2.5	6.7 3.9	2.7 2.6	0.0389	130

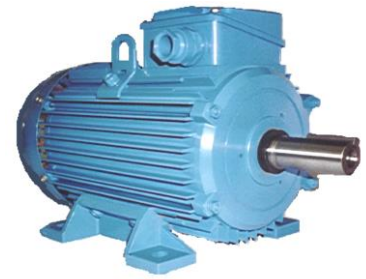


POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg

4/8 Polig, zwei Wicklungen,
4/8 Pole, two separate windings, one in Dahlander connection

HDU 71 A-4/8	0.18 0.09	1350 670	0.74 0.68	0.70 0.51	50 37	1.3 1.3	1.7 2.4	3.0 1.9	2.2 2.5	0.0011	6.5
HDU 71 B-4/8	0.28 0.15	1325 635	0.90 0.85	0.83 0.55	54 46	2.0 2.3	1.5 1.7	3.4 2.2	1.9 2.0	0.0012	7
HDU 80 A-4/8	4.80 0.22	1395 705	0.95 0.97	0.87 0.66	70 50	2.7 3.0	1.2 1.6	3.8 2.6	1.8 1.8	0.0023	9
HDU 80 B-4/8	0.55 0.30	1400 700	1.4 1.4	0.84 0.61	68 51	3.8 4.1	1.5 2.0	4.0 2.8	1.9 2.1	0.0032	11.5
HDU 90 S-4/8	0.80 0.42	1405 700	1.9 2.1	0.83 0.54	72 53	5.4 5.7	1.8 2.5	4.1 2.8	2.8 2.9	0.0038	13.5
HDU 90 L-4/8	1.1 0.6	1370 695	2.6 2.5	0.90 0.60	71 57	7.7 8.2	1.8 2.3	3.8 2.7	2.0 2.4	0.0047	15.5
HDU 100 LA-4/8	1.4 0.7	1420 715	3.1 2.7	0.86 0.57	76 66	9.4 9.4	1.5 2.2	4.5 3.6	2.1 2.4	0.0101	23
HDU 100 LB-4/8	1.8 0.9	1410 710	4.0 3.4	0.87 0.59	75 65	12.2 12.1	1.6 2.2	4.3 3.4	2.1 2.4	0.0115	26
HDU 112 MA-4/8	2.3 1.2	1400 700	5.4 4.5	0.87 0.61	71 63	15.7 16.4	1.7 2.3	4.8 3.3	2.7 2.3	0.0128	28
HDU 112 MB-4/8	3.0 1.5	1400 710	6.3 5.0	0.89 0.62	77 70	20.5 20.2	1.5 2.2	5.1 4.4	2.3 2.6	0.0138	30
HDU 132 S-4/8	4.0 2.0	1415 715	8.6 7.5	0.88 0.56	77 69	27.0 26.7	1.4 2.1	4.4 3.3	1.9 2.4	0.0237	56
HDU 132 MA-4/8	4.8 2.5	1410 710	10.1 8.5	0.88 0.59	78 72	32.5 33.6	1.4 2	4.8 4.0	2.0 2.1	0.0271	60
HDU 132 MB-4/8	5.8 3.0	1420 710	11.5 9.6	0.89 0.60	82 76	11.5 40.4	1.2 1.8	4.7 3.8	1.9 2.1	0.0338	64
HDU 160 SC-4/8	7.0 3.7	1420 710	14.2 11.7	0.89 0.61	80 75	47.1 49.8	1.2 1.8	5.1 4.2	1.8 2.2	0.0389	125
HDU 160 MR-4/8	7.0 4.0	1460 710	13.3 10.0	0.88 0.72	86 80	45.8 54.0	1.8 1.8	6.0 4.5	2.0 1.8	0.087	128
HDU 160 M-4/8	8.0 5.0	1460 715	15.2 12.4	0.88 0.70	86 83	52.0 67.0	1.8 1.8	6.0 4.5	2.0 1.8	0.093	129
HDU 160 L-4/8	11 6.5	1460 725	21.0 16.2	0.88 0.74	86 79	72.0 86.0	1.8 1.8	6.0 4.5	2.0 1.8	0.11	132
HDU 180 LR-4/8	15 9.0	1465 730	28.5 21	0.88 0.77	86 81	98.0 118	2.0 2.0	6.0 5.0	2.2 2.0	0.16	170
HDU 180 L-4/8	18.5 11	1465 730	36.0 25.5	0.87 0.75	85 83	121 144	2.0 2.0	6.0 5.0	2.2 2.0	0.22	173
HDU 200 L-4/8	21 13	1465 735	41.0 29.5	0.87 0.75	85 85	137 169	2.0 2.2	6.5 6.0	2.2 2.2	0.27	225

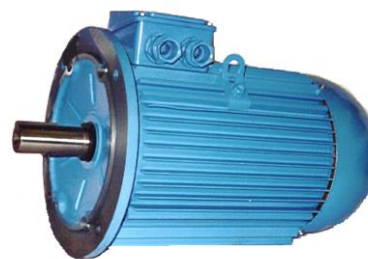
POLUMSCHALTBARE DREHSTROMMOTOREN
POLE - CHANGING THREE PHASE MOTORS
MOTEUR TRIPHASÉ À DOUBLE POLARITÉ
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs- faktor	Wirkungs- grad	Bemess. Drehmom.	Anzugs- moment	Anzugs- strom	Kipp- moment	Trägheits- moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m ²	kg

4/8 Polig, zwei Wicklungen,
4/8 Pole, two separate windings, one in Dahlander connection

HDU 225 S-4/8	25 17	1460 725	47,5 37,5	0,89 0,77	85 85	164 221	2,0 1,9	6,4 5,3	2,3 2,2	0,42	293
HDU 225 M-4/8	32 22	1470 735	60,0 49,5	0,91 0,76	85 85	208 286	2,2 2,2	7,0 6,0	2,5 2,5	0,52	300
HDU 250 M-4/8	40 27	1470 730	71,0 59,0	0,94 0,77	86 86	260 353	2,2 2,1	7,0 5,8	2,5 2,4	0,67	410
HDU 280 S-4/8	50 35	1475 735	87,0 68,5	0,92 0,81	90 91	324 455	2,0 1,8	7,5 5,8	3,0 2,9	1,34	470
HDU 280 M-4/8	60 45	1475 735	101 85,5	0,95 0,84	90 91	388 585	2,1 1,8	7,0 5,7	3,2 2,7	1,6	540
HDU 315 S-4/8	80 55	1485 740	140 107	0,90 0,81	91 92	515 710	2,1 1,9	7,8 6,5	3,0 3,0	4,6	945
HDU 315 M-4/8	100 75	1485 740	174 148	0,91 0,81	92 92	643 968	2,3 2,0	7,5 6,8	3,1 2,8	5,2	1110
HDU 315 LA-4/8	115 80	1485 740	200 156	0,90 0,80	92 93	739 1032	2,3 2,0	7,4 6,8	3,1 2,7	5,5	1180
HDU 315 LB-4/8	140 100	1485 740	244 194	0,90 0,80	92 93	900 1290	2,1 2,2	7,2 6,9	2,7 2,8	5,9	1200



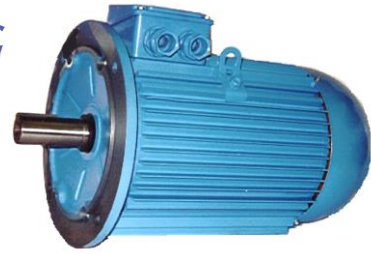


Type	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg

6/8 Polig, zwei Wicklungen
6/8 Pole, two separate windings

HDU 71 B-6/8	0.15	890	0.78	0.63	44	1.2	2.1	2.3	2.1	0.0012	6.7
	0.10	675	0.68	0.60	35	1.1	1.7	1.8	1.7		
HDU 80 A-6/8	0.22	900	1.05	0.63	48	2.3	2.2	2.5	2.2	0.0027	10.0
	0.15	710	0.95	0.61	37	2.0	1.8	2.0	1.8		
HDU 80 B-6/8	0.30	940	1.5	0.63	47	3.1	2.2	2.5	2.2	0.0032	11.5
	0.20	710	1.3	0.61	38	2.7	1.8	2.0	1.8		
HDU 90 S-6/8	0.45	960	1.6	0.60	68	4.5	2.1	2.5	2.1	0.0038	13.5
	0.30	680	1.6	0.60	47	4.2	1.7	2.0	1.7		
HDU 90 L-6/8	0.60	950	2.3	0.65	58	6.0	2.3	2.8	2.3	0.0047	13.5
	0.40	705	1.9	0.63	48	5.4	1.9	2.2	1.9		
HDU 100 L-6/8	0.85	930	2.6	0.68	71	8.7	2.3	2.8	2.3	0.0115	26
	0.55	710	2.0	0.64	62	7.4	1.9	2.2	1.9		
HDU 112 MA-6/8	1.10	960	3.3	0.72	68	10.9	2.3	2.8	2.3	0.0128	28
	0.75	710	3.7	0.65	63	10.1	1.9	2.2	1.9		
HDU 112 MB-6/8	1.4	960	4.1	0.69	68	4.05	2.5	4.1	2.7	0.0138	30
	0.9	700	3.4	0.61	63	12.3	1.7	2.5	1.8		
HDU 132 S-6/8	1.8	980	6.0	0.58	76	17.5	2.8	5.5	3.8	0.0237	56
	1.2	720	4.3	0.81	68	15.9	1.5	3.2	2.1		
HDU 132 MB-6/8	2.4	985	8.4	0.54	76	23.6	2.9	7.3	5.0	0.0338	64
	1.6	730	6.0	0.54	70	21.2	1.6	4.2	3.1		
HDU 132 MC-6/8	3.2	965	10.0	0.63	73	10.0	2.4	3.0	2.4	0.0389	67
	2.1	710	7.5	0.62	65	28.2	2.0	2.7	2.0		
HDU 160 M-6/8	4.5	965	10.0	0.82	79	44.5	1.8	6.0	1.8	0.092	120
	3.3	715	7.6	0.75	84	44.1	1.7	4.8	1.7		
HDU 160 L-6/8	7.5	970	14.7	0.84	88	74.0	1.8	6.0	1.8	0.11	145
	5.5	730	11.9	0.77	87	72.0	1.8	5.0	1.8		
HDU 180 LR-6/8	11.0	980	25.5	0.82	89	108	1.5	5.8	1.8	0.19	160
	8.0	725	19.5	0.74	87	104	1.6	5.4	1.8		
HDU 200 L-6/8	19.0	975	37.5	0.83	90	89.0	2.0	5.7	1.8	0.33	230
	14.5	720	30.0	0.77	87	85.0	2.0	4.5	1.8		
HDU 225 S-6/8	21	980	44.0	0.81	91	108	2.8	6.0	2.4	0.46	248
	16	720	35.0	0.77	87	104	2.6	4.5	2.5		
HDU 225 M-6/8	25	975	52.0	0.82	91	147	2.5	6.0	1.9	0.55	265
	19	720	42.0	0.74	87	143	2.5	5.0	1.8		
HDU 250 M-6/8	32	985	62.0	0.83	92	186	1.9	6.6	2.2	1.0	370
	24	730	50.0	0.74	87	195	2.4	5.7	2.1		
HDU 280 S-6/8	44	990	83.0	0.87	93	245	1.6	5.3	2.0	1.7	474
	33	740	66.0	0.80	88	240	1.9	4.7	2.0		
HDU 280 M-6/8	53	990	99.0	0.86	93	245	1.7	5.8	2.0	2.1	538
	40	740	82.0	0.80	88	240	2.3	5.6	2.0		





POLUMSCHALTBARE DREHSTROMMOTOREN

POLE - CHANGING THREE PHASE MOTORS

MOTEUR TRIPHASÉ À DOUBLE POLARITÉ

400 V - 50 Hz - CL F - IP55

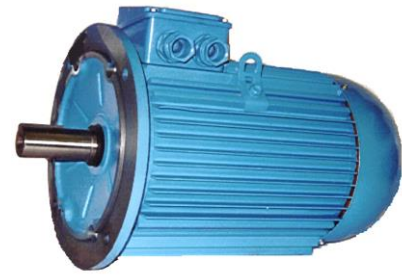
Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg m2	kg

6/8 Polig, zwei Wicklungen

6/8 Pole, two separate windings

HDU 315 S-6/8	65	990	120	0.85	94	147	1.5	6.3	2.0	3.4	910
	50	740	99	0.78	87	143	2.5	6.6	2.0		
HDU 315 M-6/8	80	990	148	0.85	94	186	1.3	6.6	2.0	4.1	990
	60	740	116	0.78	87	195	2.4	6.9	2.0		
HDU 315 LA-6/8	95	990	170	0.86	95	245	1.7	6.8	2.0	4.9	1090
	70	740	135	0.79	88	240	2.5	6.6	2.0		
HDU 315 LB-6/8	110	990	197	0.87	95	245	1.6	6.5	2.0	6.0	1180
	80	740	154	0.79	88	240	2.6	6.8	2.0		



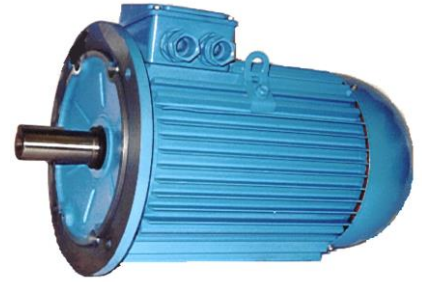
DREHSTROMMOTOREN mit 3 oder 4 GESCHWINDIGKEITE
THREE PHASE MOTORS 3 or 4 SPEED
MOTEUR TRIPHASÉ À 3 ou 4 VITESSES
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg

4/6/8/ Polig, mehrere Wicklungen,
4/6/8 Pole, two separate windings, one of them is Dahlander winding

HDU 100 LA-8/6/4	0.8	1455	2.0	0.83	75	2.6	1.6	4.7	0.009	25
	0.6	970	2.2	0.75	71	3.8	2.0	3.9		
	0.5	715	1.9	0.72	65	5.8	1.7	2.9		
HDU 100 LB-8/6/4	1.1	1460	2.9	0.84	77	3.7	1.5	4.7	0.01	28
	0.8	975	3.2	0.76	73	5.2	2.0	3.9		
	0.7	715	2.8	0.72	69	7.8	1.6	2.9		
HDU 112 M-8/6/4	1.5	1455	3.6	0.84	79	5.0	1.4	5.5	0.12	32
	1.1	960	3.7	0.77	76	7.5	1.5	4.1		
	0.9	700	3.5	0.73	72	9.7	1.7	3.4		
HDU 132 SB-8/6/4	2.2	1460	4.8	0.85	81	7.4	1.8	6.0	0.03	55
	1.6	975	4.6	0.79	79	10.3	2.0	4.5		
	1.3	720	3.9	0.74	76	15.1	1.9	3.7		
HDU 132 MB-8/6/4	3.6	1445	7.6	0.87	83	11.5	2.3	6.4	0.04	50
	2.5	960	7.0	0.81	81	17.6	2.0	5.1		
	2.2	705	7.0	0.76	79	22.3	2.3	3.9		
HDU 160 MB-8/6/4	5.5	1450	10.5	0.88	86	18.1	1.6	6.3	0.9	128
	4.0	975	8.5	0.82	84	26.5	2.0	5.9		
	3.3	725	7.5	0.76	81	30.0	2.3	5.8		
HDU 160 LB-8/6/4	8.0	1455	14.5	0.88	87	1.9	1.6	6.7	0.13	155
	6.0	975	12.0	0.82	85	51.0	1.6	6.2		
	4.5	725	10.0	0.76	82	39.2	2.2	6.1		
HDU 180 MB-8/6/4	11	1460	21.0	0.89	88	71.6	1.4	6.2	0.16	188
	8.0	980	20.0	0.84	88	49.0	1.9	6.5		
	6.0	725	16.0	0.77	84	36.3	2.1	6.2		
HDU 180 LB-8/6/4	14	1460	25.5	0.89	89	54.0	1.4	6.2	0.19	210
	9.0	980	22.0	0.84	89	26.8	2.0	6.8		
	7.0	730	17.5	0.77	86	21.2	2.3	6.4		
HDU 200 L-8/6/4	18.5	1450	33.0	0.90	90	72.0	2.2	6.2	0.33	238
	15	960	32.5	0.85	90	48.4	1.8	5.1		
	12	730	27.0	0.78	88	30.5	2.5	4.7		
HDU 225 S-8/6/4	26	1465	46.5	0.90	91	53.0	2.0	6.5	0.46	278
	20	980	43.0	0.86	90	40.0	2.3	6.1		
	16	725	40.0	0.81	89	49.2	2.5	5.0		
HDU 225 M-8/6/4	30	1460	52.0	0.90	92	71.6	2.3	6.2	0.55	297
	22	980	44.0	0.86	91	70.8	2.4	6.3		
	19	725	41.0	0.82	90	60.0	2.6	5.1		
HDU 250 M-8/6/4	36	1480	62.0	0.90	92	71.6	1.6	6.8	1.1	390
	28	990	57.0	0.86	91	49.0	1.4	6.6		
	24	740	50.0	0.83	90	36.3	1.8	5.5		

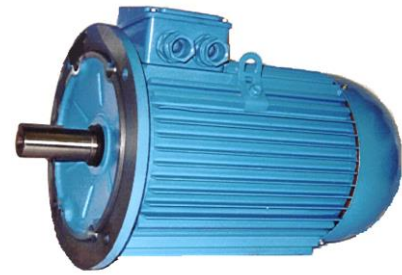


DREHSTROMMOTOREN mit 3 oder 4 GESCHWINDIGKEIT!
THREE PHASE MOTORS 3 or 4 SPEED
MOTEUR TRIPHASÉ À 3 ou 4 VITESSES
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg

4/6/8/ Polig, mehrere Wicklungen,
4/6/8 Pole, two separate windings, one of them is Dahlander winding

HDU 280 S-8/6/4	50	1480	84.0	0.90	93	54.0	1.9	6.4	1.7	510
	37	990	70.0	0.87	92	26.8	1.7	5.5		
	31	740	65.0	0.84	92	21.2	2.0	5.0		
HDU 280 M-8/6/4	60	1480	102	0.90	94	72.0	1.5	6.5	2.1	525
	45	990	87.0	0.87	93	48.4	1.5	5.7		
	37	740	80.0	0.86	92	30.5	1.5	5.1		
HDU 315 S-8/6/4	68	1480	114	0.90	94	53.0	1.4	6.9	4.2	930
	55	990	106	0.87	93	40.0	1.3	6.3		
	43	740	92.0	0.86	93	49.2	1.5	5.5		
HDU 315 M-8/6/4	80	1480	133	0.90	94	71.6	1.4	6.9	4.2	965
	65	990	123	0.87	94	70.8	1.3	6.4		
	50	740	100	0.86	93	60.0	1.5	5.5		
HDU 315 LA-8/6/4	95	1480	157	0.91	94	53.0	1.4	7.0	4.7	1145
	75	990	143	0.87	94	40.0	1.3	6.5		
	60	740	125	0.86	93	49.2	1.5	5.6		
HDU 315 LB-8/6/4	110	1485	181	0.91	94	71.6	1.4	7.0	5.9	1220
	90	990	171	0.87	94	70.8	1.3	6.6		
	70	740	150	0.86	94	60.0	1.5	5.7		

DREHSTROMMOTOREN mit 3 oder 4 GESCHWINDIGKEITE
THREE PHASE MOTORS 3 or 4 SPEED
MOTEUR TRIPHASÉ À 3 ou 4 VITESSES
400 V - 50 Hz - CL F - IP55


Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Masse
	kW	1/min	A	cos phi	%	Nm	Ma/Mn	Ia/In	Mk/Mn	kg

2/4/6/8/12 Polig, zwei Wicklungen,
2/4/6/8/12 Pole, two separate windings, one of them is Dahlander winding

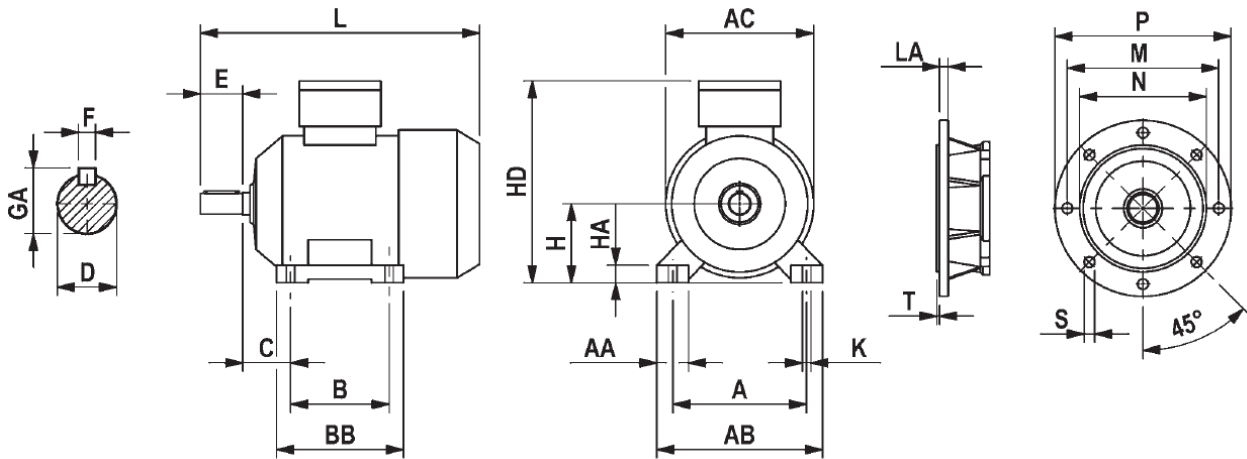
HDU 160 S-6/4/2	4.8	970	11.0	0.83	79	54.5	1.5	5.0	2.2	120
	5.3	1480	12.0	0.83	83.5	36.8	1.3	6.5	2.7	
	7.5	2945	15.0	0.95	81	24.3	1.2	6.5	2.5	
HDU 160 M-6/4/2	6.7	980	16.0	0.77	82	71.6	2.0	6.0	3.0	142
	7.5	1480	16.0	0.82	87	49.0	1.7	7.5	3.5	
	10.5	2960	20.0	0.93	84	36.3	1.4	7.5	3.2	
HDU 160 S-8/4/2	3.8	720	10.0	0.74	77	54.0	1.3	4.0	2.0	120
	4.3	1480	9.0	0.83	85	26.8	1.8	7.5	3.6	
	6.3	2965	13.0	0.94	81	21.2	1.6	7.5	3.4	
HDU 160 M-8/4/2	5.0	710	13.0	0.73	83	72.0	1.4	4.0	2.2	142
	7.1	1395	15.0	0.81	86	48.4	1.4	7.5	3.7	
	9.5	2720	19.0	0.90	85	30.5	1.3	8.0	3.5	
HDU 160 S-8/4/6	4.0	735	13.0	0.62	77	53.0	2.0	5.0	3.0	125
	4.5	985	11.5	0.75	79	40.0	1.5	5.5	2.5	
	7.5	1470	15.0	0.92	84	49.2	1.5	6.0	2.0	
HDU 160 M-8/4/6	5.0	740	16.0	0.60	80.5	71.6	2.2	6.0	3.0	155
	6.3	985	15.0	0.80	81	70.8	1.2	5.5	2.5	
	10	1475	19.0	0.90	87	60.0	1.3	7.5	2.5	
HDU 160 M-12/8/6/4	1.8	490	9.0	0.52	57	35.0	1.5	3.0	2.6	155
	4.0	735	13.0	0.64	75	51.0	2.2	5.0	3.0	
	4.3	975	10.0	0.85	80	39.2	1.0	4.5	2.0	
	6.7	1480	13.0	0.90	84	43.1	1.3	7.0	2.7	





Overall mounting dimensions for HDU series of three-phase induction motors.

Frame size 71-200

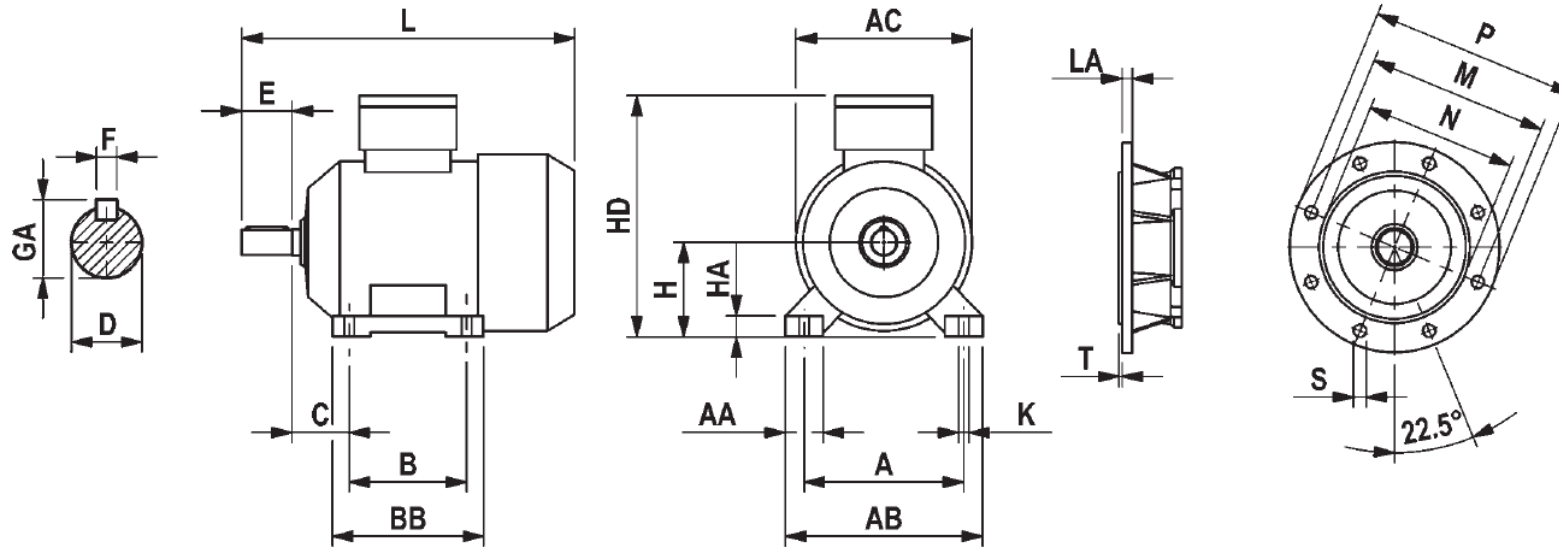


IEC Type / Typ	Pole	Frame / Gehäuse								Shaft / Welle						
	B	A	HA	BB	AB	K	AA	AC	L	HD	C	D	E	GA	F	LA
HDU71A-2-8	90	112	8	120	142	7	30	145	224	190	45	14	30	16	5	10
HDU71B-2-8	90	112	8	120	142	7	30	145	234	190	45	14	30	16	5	10
HDU80A-2-8	100	125	10	130	160	10	35	155	279	206	50	19	40	21.5	6	10
HDU80B-2-8	100	125	10	130	160	10	35	155	294	206	50	19	40	21.5	6	10
HDU90S-2-8	100	140	12	140	175	10	35	176	326	226	56	24	50	27	8	12
HDU90L-2-8	125	140	12	165	175	10	35	176	345	226	56	24	50	27	8	12
HDU100LA-2-8	140	160	14	180	205	12	45	198	368	260	63	28	60	31	8	12
HDU100LB-2-8	140	160	14	180	205	12	45	198	374	260	63	28	60	31	8	12
HDU112M-2-8	140	190	15	180	235	12	45	222	397	285	70	28	60	31	8	12
HDU132S-2-8	140	216	18	186	264	12	48	260	478	325	89	38	80	41	10	12
HDU132M-2-8	178	216	18	224	264	12	48	260	516	325	89	38	80	41	10	12
HDU160M-2-8	210	254	19.5	260	314	15	60	330	615	405	108	42	110	45	12	15
HDU160L-2-8	254	254	19.5	304	314	15	60	330	664	405	108	42	110	45	12	15
HDU180M-2-8	241	279	22	301	350	15	71	355	700	455	121	48	110	51.5	14	15
HDU180L-2-8	279	279	22	339	350	15	71	355	745	455	121	48	110	52	14	15
HDU200L-2-8	305	318	25	375	388	19	70	410	776	505	133	55	110	59	16	17

IEC Type / Typ	Flange / Flansch B5					Flange / Flansch B14					Flange / Flansch B14 (B24)				
	P	N	M	T	S	P	N	M	T	S	P	N	M	T	S
HDU															
HDU71A-2-8	160	110	130	3.5	10	140	95	115	3.5	M8	105	70	85	3	M6
HDU71B-2-8	160	110	130	4	10	140	95	115	3.5	M8	105	70	85	3	M6
HDU80A-2-8	200	130	165	3.5	12	160	110	130	3.5	M8	120	80	100	3	M6
HDU80B-2-8	200	130	165	3.5	12	160	110	130	3.5	M8	120	80	100	3	M6
HDU90S-2-8	200	130	165	4	12	160	110	130	3.5	M8	120	80	100	3	M6
HDU90L-2-8	200	130	165	4	12	160	110	130	3.5	M8	120	80	100	3	M6
HDU100LA-2-8	250	180	215	4	14.5	200	130	165	3.5	M10	160	110	130	3.5	M8
HDU100LB-2-8	250	180	215	4	15	200	130	165	3.5	M10	160	110	130	3.5	M8
HDU112M-2-8	250	180	215	4	14.5	200	130	165	3.5	M10	160	110	130	3.5	M8
HDU132S-2-8	300	230	265	4	15	250	180	215	4	M12	200	130	165	3.5	M10
HDU132M-2-8	300	230	265	4	15	250	180	215	4	M12	200	130	165	3.5	M10
HDU160M-2-8	350	250	300	5	19	300	230	265	4	M12					
HDU160L-2-8	350	250	300	5	19	300	230	265	4	M12					
HDU180M-2-8	350	250	300	5	19										
HDU180L-2-8	350	250	300	5	19										
HDU200L-2-8	400	300	350	5	19										

Overall mounting dimensions for HDU series of three-phase induction motors.

Frame size 225-355



Type / Typ		Pole	Frame / Gehäuse								Shaft / Welle						Flange / Flansch B5						
HDU			B	A	HA	BB	AB	K	AA	AC	L	HD	C	D	E	GA	F	LA	P	N	M	T	S
225	S	4-8	286	356	28	374	488	19	79	450	810	555	149	60	140	64	18	20	450	350	400	5	19
225	M	2	311	356	28	400	435	19	79	450	805	555	149	55	110	59	16	20	450	350	400	5	19
225	M	4-8	311	356	28	400	435	19	79	450	835	555	149	60	140	64	18	20	450	350	400	5	19
250	M	2	349	406	30	445	486	24	82.5	486	922	615	168	60	140	64	18	22	550	450	500	5	19
250	M	4-8	349	406	30	445	486	24	82.5	486	922	615	168	65	140	69	18	22	550	450	500	5	19
280	S	2	386	457	35	470	542	24	91	580	977	676	190	65	140	69	20	22	550	450	500	5	19
280	S	4-8	386	457	35	470	542	24	91	580	977	676	190	75	140	79.5	20	22	550	450	500	5	19
280	M	2	419	457	35	521	542	24	91	580	1028	676	190	65	140	69	20	22	550	450	500	5	19
280	M	4-8	419	457	35	521	542	24	91	580	1028	676	190	75	140	79.5	20	22	550	450	500	5	19
315	S	2	406	508	45	570	630	28	120	645	1215	845	216	65	140	69	18	22	660	550	600	6	24
315	S	4-8	406	508	45	570	630	28	120	645	1215	845	216	80	170	85	22	22	660	550	600	6	24
315	M	2	457	508	45	680	630	28	120	645	1325	845	216	65	140	69	18	22	660	550	600	6	24
315	M	4-8	457	508	45	680	630	28	120	645	1325	845	216	80	170	85	22	22	660	550	600	6	24
315	L	2	508	508	45	680	630	28	120	645	1325	845	216	65	140	69	18	22	660	550	600	6	24
315	L	4-8	508	508	45	680	630	28	120	645	1325	845	216	80	170	85	22	22	660	550	600	6	24
355	M	2	560	610	52	760	730	28	116	710	1495	1010	254	75	140	79.5	20	25	800	680	740	6	24
355	M	4-8	560	610	52	760	730	28	116	710	1525	1010	254	95	170	100	25	25	800	680	740	6	24
355	L	2	630	610	52	760	730	28	116	710	1495	1010	254	75	130	79.5	20	25	800	680	740	6	24
355	L	4-8	630	610	52	760	730	28	116	710	1525	1010	254	95	170	100	25	25	800	680	740	6	24