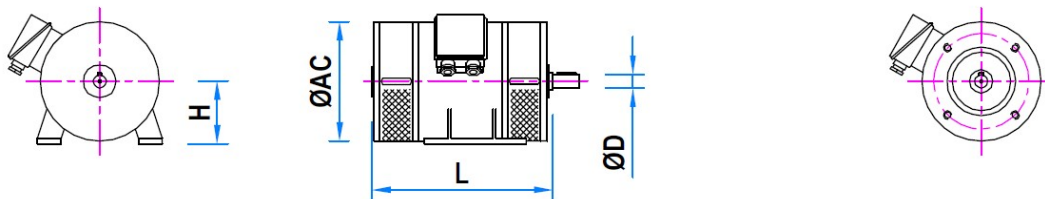


## DC-Nebenschluss-Motoren (ME) 0,38 - 14 kW - Serie D252/L088

- Gleichstrom Motoren normgerecht IEC
- Fremderregung
- Hilfspole in allen Größen.
- Ankerspannung 12V ÷ 110V
- Selbst belüftet IC01
- Klemmkasten und Kabelanschluss
- Schutzart IP23 - Betriebsart S1



IEC B5	IEC B14
71	-
80	-
90	-
100	100
112	112
132	132

Typ	ØAC	L	Leistung [kW]			
	[mm]		[mm]	1400/1600 rpm	1800/2200 rpm	2300/2700 rpm
D252/ME80R	157	285	0,38	0,50	0,65	0,75
D252/ME80S	157	305	0,55	0,70	0,80	1,00
D252/ME100R	192	310	0,65	0,80	1,00	1,30
D252/ME100S	192	330	0,90	1,20	1,50	1,70
D252/ME100T	192	330	1,10	1,40	2,00	2,60
D252/ME112R	220	335	1,70	2,20	2,50	3,20
D252/ME112S	220	335	2,30	2,70	3,20	4,00
D252/ME112T	220	375	2,50	3,30	4,00	4,70
D252/ME112L	220	405	2,80	3,80	4,50	5,5
D252/ME132R	260	390	3,70	5,2	6,2	8
D252/ME132S	260	415	4,80	6,4	7,0	9
D252/ME132T	260	440	6,0	8,0	9,0	10
D252/ME132L	260	480	8,0	10	12	14

VORLÄUFIGE DATEN. Fragen Sie uns nach Details / PROVISIONAL DATA. Contact us for the updates

### OPTIONEN

- Spezielle Flansch und Wellen
- Sicherheitsbremse IP54 oder IP55
- Füße B3 Bauform H = 90 mm

Typ / Type	ØD	H
ME 80	14-16-19	80
ME 100	19-24	100
ME 112	24-28	112
ME 132	28-38	132

## D252/ME Series • Selfventilated Motors • IC01

**0.38-14.7KW**

Data sheet -----

Motors according to CEI and IEC standards – shunt field with series stabilizer/2 poles  
 Interpoles on all sizes – skew slots rotor with low loss laminations  
 Max. start current 150% of nominal value for 60 sec. – N class dynamic balancing  
 Max. amb.temp.+40°C – field winding can be fed with stopped motor



COOLING FORM	PROTECTION	INSULATION
Selfventilated by inside fan mounted on the shaft	IP 23	E Class $\Delta/75^\circ\text{C}$

ONE-PHASE HALF OR TOTALLY CONTROLLED BRIDGE - SUPPLY 220V or 380V - 50/60Hz

DUTY S1

No power derating for decreasing torque down to 70% of the nominal value in the speed range 10:1  
 For constant torque in the speed range 10:1 insert an appropriate inductance in the armature circuit – otherwise apply a power derating of 25%  
 For one-phase totally controlled bridge make always use of inductance in serie to the armature circuit

Type	1500 rpm				2000 rpm				2500 rpm				3000 rpm				Armature V	Field			Torque Nm
	KW	HP	A	mH	KW	HP	A	mH	KW	HP	A	mH	KW	HP	A	mH		V	A		
80 R	0.38	0.5	2.6	115	0.5	0.7	3.4	64	0.63	0.9	4.3	42	0.75	1	5.1	31	170	190	0.15	2.4	
			1.5	345			2	192			2.5	126			3	88	290	340	0.10		
80 S	0.5	0.7	3.4	76	0.67	0.9	4.6	42	0.83	1.2	5.6	29	1	1.4	6.8	19	170	190	0.18	3.2	
			2	240			2.7	135			3.3	88			4	60	290	340	0.12		
100 R	0.65	0.9	4.4	57	0.87	1.2	5.9	36	1.1	1.5	7.5	23	1.3	1.8	8.8	16	170	190	0.24	4	
			2.6	158			3.5	110			4.4	69			5.2	49	290	340	0.16		
100 S	0.9	1.2	6.1	55	1.25	1.7	8.5	31	1.55	2.1	10.5	20	1.8	2.5	12.2	13	170	190	0.30	5.7	
			3.6	165			5	95			6.2	60			7.2	42	290	340	0.16		
100 T	1.1	1.5	7.5	39.2	1.5	2	10.2	26	1.8	2.5	12.2	16	2.2	3	15	11	170	190	0.35	7	
			4.4	140			6	78			7.2	48			8.8	35	290	340	0.20		
112 R	1.5	2	10.2	45	2	2.7	13.6	24	2.5	3.4	17	15	3	4	20.4	12	170	190	0.35	9.6	
			6	130			8	72			10	46			12	32	290	340	0.20		
112 S	1.85	2.5	12.6	40	2.5	3.4	17	22	3.1	4.2	21.1	14	3.7	5	25.2	10	170	190	0.38	11.8	
			7.4	120			10	65			12.3	42			14.7	29	290	340	0.22		
112 T	2.2	3	15	27	2.9	4	19.7	16	3.7	5	25.2	10	4.4	6	30	7.5	170	190	0.48	14	
			8.8	80			11.5	47			14.7	30			17.5	21	290	340	0.30		
112 L	2.6	3.5	17.7	21	3.4	4.7	23.1	13	4.3	5.8	29.2	8.2	5.1	7	34.7	6.3	170	190	0.70	16.2	
			10.3	63			13.5	38			17.1	24			20.3	17	290	340	0.42		
132 R	3.2	4.3	21.8	19	4.2	5.7	28.6	10	5.2	7.1	35.4	6.5	6.3	8.5	42.9	4.5	170	190	0.65	20	
			12.7	47			16.7	27			20.7	17			25.1	12	290	340	0.36		

THREE-PHASE HALF OR TOTALLY CONTROLLED BRIDGE - SUPPLY 380V - 50/60Hz

DUTY S1

Tipo Type	1500 rpm				2000 rpm				2500 rpm				3000 rpm				Armature V	Field			Torque Nm
	KW	HP	A	mH	KW	HP	A	mH	KW	HP	A	mH	KW	HP	A	mH		V	A		
100 T	1.25	1.7	3.3	297	1.7	2.3	4.45	165	2.05	2.8	5.4	105	2.5	3.4	6.55	78	440	340	0.20	8	
			3.6	265			4.9	148			5.9	94			7.2	70	400				
112 R	1.7	2.3	4.45	260	2.2	3	5.8	145	2.7	3.7	7.1	90	3.2	4.4	8.4	68	440	340	0.20	10.2	
			4.9	232			6.3	130			7.8	80			9.2	61	400				
112 S	2.1	2.8	5.5	242	2.7	3.7	7.1	122	3.4	4.6	8.9	78	4	5.5	10.5	59	440	340	0.22	12.7	
			6	205			7.8	110			9.8	70			11.5	52	400				
112 T	2.5	3.4	6.55	175	3.3	4.4	8.6	96	4.1	5.5	10.7	62	4.9	6.6	12.8	46	440	340	0.30	15.6	
			7.2	158			9.5	85			11.8	55			14.1	40	400				
112 L	2.8	3.8	7.3	140	3.8	5	10	76	4.7	6.4	12.3	50	5.6	7.6	14.7	37	440	340	0.42	17.8	
			8.1	125			11	68			13.5	45			16.1	32	400				
132 R	3.7	5	9.7	110	5.2	7	13.6	57	6.2	8.4	16.2	38	7.4	10	19.4	28	440	340	0.36	23.6	
			10.7	97			15	51			17.9	35			21.3	23	400				
132 S	4.8	6.5	12.6	80	6.4	8.7	16.8	45	8	11	21	30	9.6	13	25.2	21.3	440	340	0.52	30.6	
			13.8	60			18.4	39			23	27			27.6	16.3	400				
132 T	5.9	8	15.4	62	8.1	11	21.2	32	10	13.5	26.2	25	11.8	16	31	16	440	340	0.60	37.6	
			17	51			23.3	29			29	22			34	13	400				
132 L	7.35	10	19.3	48	10.3	14	27	25	12.5	17	32.75	18	14.7	20	38.5	12	440	340	0.70	46.8	
			21.2	40			29.7	20			36	12			42.3	10	400				

Tolerance  $\pm 10\%$

Specifications subject to change without notice



## D252 SERIES DC-MOTORS ME100 • ME112 • ME132 • ME160

**0.18-31KW**

Data sheet -----

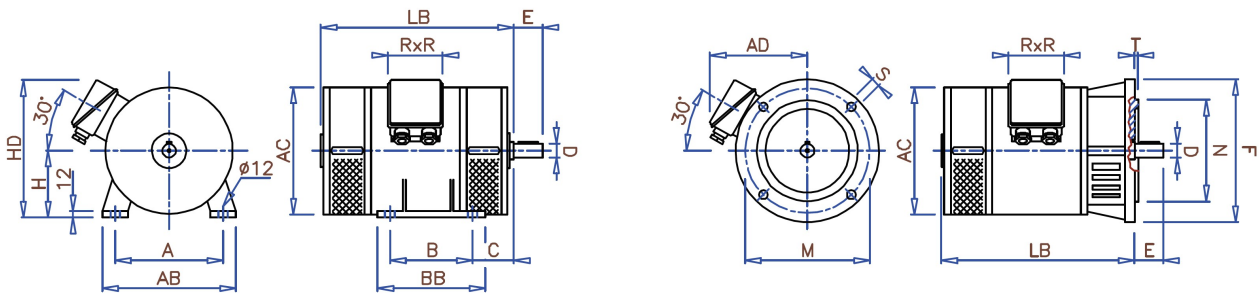
Aluminium alloy front and back shields with steel bush for ball-bearing  
Left side terminal box from drive-end view with heart terminal inside  
High number commutator segments - constant pressure brush-holder  
On request : thermal protector NC112°C - tropicalization - dual shaft - B3/B5



MOUNTING FORMS									TYPE			
B3	V5	V6	B5	V3	V1	100	112	132	160			
IM1001	IM1011	IM1031	IM3001	IM3031	IM3011	Max. mechanical mir <sup>1</sup>	5000	5000	4000	3000		
						Max. armature volts	460	460	460	460		

MOTORS WEIGHT IN Kg.														
Type	100R	100S	100T	112R	112S	112T	112L	132R	132S	132T	132L	160R	160S	
IC01-IC17-IC37-IC410	26	31	33	36	40	45	51	66	76	86	110	--	--	
IC06	29.5	34.5	36.5	39.5	43.5	48.5	54.5	70	80	90	114	160	190	

Nm <sup>2</sup> INERTIA MOMENT														
	100R	100S	100T	112R	112S	112T	112L	132R	132S	132T	132L	160R	160S	
	0.20	0.21	0.22	0.55	0.61	0.64	0.70	1.75	1.98	2.15	2.50	4.80	5.90	



LB LENGHT														
	100R	100S	100T	112R	112S	112T	112L	132R	132S	132T	132L	160R	160S	
	310	330	330	335	335	375	405	390	415	440	480	525	585	

TYPE	H	HD	C	B	BB	A	AB	AC	AD	RxR
100	100	205	63	140	190	160	200	192	165	100
112	112	218	70	140	190	190	235	220	180	100
132	132	280	89	178	215	216	256	260	225	125
160R	160	310	108	210	256	254	300	320	240	125
160S	160	310	108	252	300	254	300	320	240	125

TYPE	FLANGES B5				
	F	N	M	T	S
100	200	130 j6	165	3.5	11.5
112	250	180 j6	215	4	14
132	300	230 j6	265	4	14
160	350	250 h6	300	5	18

TYPE	SHORT FLANGES				
	F	N	M	T	S
100	192	110 j6	130	3.5	M8

TYPE	D	E	P	h	d
100	∅19 j6	40	6x6x25	21.5	M6
100-112	∅24 j6	50	8x7x35	27	M8
112-132	∅28 j6	60	8x7x40	31	M10
132	∅38 k6	80	10x8x60	41	M12
160	∅38 k6	80	10x8x60	41	M12
160	∅42 k6	110	12x8x80	45	M16
160	∅48 k6	110	14x9x90	51.5	M16

\* Only B3 version

RADIAL LOADS		
N	D	Drive end bearing
630	∅19	6204 2RS
700	∅24	6205 2RS
1000	∅28	6206 2RS
1600	∅38	6208 2RS
1900	∅38	4208
2100	∅42	4209
2300	∅48	4210

Axial loads 10% of radial ones

Specifications subject to change without notice