2.7 Technická data převodovek OR *2.7 OR gearboxes performances* 2.7 Leistungen der OR-Getriebe

OR 63

Kg 10.5

ir	n_1 = 2800 min^{-1}				n_1 = 1400 min^{-1}				n_1 = 900 min^{-1}				n_1 = 500 min^{-1}				IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	
7.9	354.9	140	6.0	87	177.4	170	3.6	87	114.1	190	2.6	87	63.4	200	1.5	87	
10.3	273.1	150	4.9	87	136.5	185	3.0	87	87.8	200	2.1	87	48.8	215	1.3	87	
11.4	244.7	155	4.5	87	122.3	190	2.8	87	78.6	205	1.9	87	43.7	220	1.2	87	
13.3	211.3	175	4.4	87	105.6	220	2.8	87	67.9	235	1.9	87	37.7	245	1.1	87	
14.8	189.3	180	4.1	87	94.6	220	2.5	87	60.8	240	1.7	87	33.8	250	1.0	87	
17.12	163.6	185	3.6	87	81.8	220	2.2	87	52.6	245	1.5	87	29.2	255	0.9	87	112 B5
19.5	143.8	190	3.3	87	71.9	230	2.0	87	46.2	245	1.4	87	25.7	255	0.8	87	112 B14
23.7	118.2	220	3.1	87	59.1	240	1.7	87	38.0	260	1.2	87	21.1	270	0.7	87	
27.4	102.2	225	2.8	87	51.1	240	1.5	87	32.8	260	1.0	87	18.2	270	0.6	87	100 B5 100 B14
31.2	89.8	230	2.5	87	44.9	240	1.3	87	28.9	260	0.9	87	16.0	270	0.5	87	
35.7	78.5	230	2.2	87	39.2	250	1.2	87	25.2	260	0.8	87	14.0	270	0.5	87	90 B5 90 B14
44.5	63.0	230	1.7	87	31.5	250	0.9	87	20.2	260	0.6	87	11.2	270	0.4	87	
52.2	53.6	230	1.5	87	26.8	250	0.8	87	17.2	260	0.5	87	9.6	270	0.3	87	80 B5 80 B14
68.8	40.7	230	1.1	87	20.3	250	0.6	87	13.1	260	0.4	87	7.3	270	0.2	87	
79.3	35.3	230	1.0	87	17.7	250	0.5	87	11.4	260	0.4	87	6.3	270	0.2	87	71 B5
90.6	30.9	200	0.7	87	15.4	230	0.4	87	9.9	250	0.3	87	5.5	265	0.2	87	
103.8	27.0	200	0.6	87	13.5	235	0.4	87	8.7	250	0.3	87	4.8	265	0.2	87	63 B5
129.3	21.7	200	0.5	87	10.8	240	0.3	87	7.0	260	0.2	87	3.9	270	0.1	87	
151.9	18.4	205	0.5	87	9.2	245	0.3	87	5.9	260	0.2	87	3.3	280	0.1	87	
200.1	14.0	210	0.4	87	7.0	250	0.2	87	4.5	260	0.1	87	2.5	280	0.1	87	
243.3	11.5	230	0.3	87	5.8	250	0.2	87	3.7	270	0.1	87	2.1	290	0.1	87	
280.4	10.0	230	0.3	87	5.0	250	0.1	87	3.2	280	0.1	87	1.8	290	0.1	87	
346.4	8.1	230	0.2	87	4.0	250	0.1	87	2.6	280	0.1	87	1.4	290	0.1	87	

OR 71

Kg 18.0

ir	n_1 = 2800 min^{-1}				n_1 = 1400 min^{-1}				n_1 = 900 min^{-1}				n_1 = 500 min^{-1}				IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	
6.8	409.1	220	11	87	204.5	270	6.6	87	131.5	294	4.6	87	73.1	295	2.6	87	
8.4	334.0	250	10	87	167.0	300	6.0	87	107.3	311	4.0	87	59.6	312	2.2	87	
9.9	282.9	260	8.8	87	141.4	320	5.4	87	90.9	350	3.8	87	50.5	349	2.1	87	
11.4	246.7	280	8.3	87	123.3	340	5.0	87	79.3	380	3.6	87	44.0	435	2.3	87	
13.9	201.4	320	7.7	87	100.7	400	4.8	87	64.7	440	3.4	87	36.0	490	2.1	87	
16.4	170.6	330	6.7	87	85.3	400	4.1	87	54.8	440	2.9	87	30.5	500	1.8	87	
18.7	149.9	330	5.9	87	75.0	410	3.7	87	48.2	460	2.7	87	26.8	560	1.8	87	
22.9	122.4	350	5.1	87	61.2	430	3.2	87	39.3	490	2.3	87	21.9	585	1.5	87	
27.0	103.7	375	4.7	87	51.8	460	2.9	87	33.3	525	2.1	87	18.5	597	1.3	87	
30.5	91.8	375	4.1	87	45.9	460	2.5	87	29.5	525	1.9	87	16.4	597	1.2	87	
37.0	75.7	375	3.4	87	37.8	460	2.1	87	24.3	525	1.5	87	13.5	597	1.0	87	112 B5
42.5	65.9	375	3.0	87	33.0	460	1.8	87	21.2	525	1.3	87	11.8	597	0.8	87	112 B14
49.2	56.9	375	2.6	87	28.4	460	1.6	87	18.3	525	1.2	87	10.2	599	0.7	87	
53.2	52.6	375	2.4	87	26.3	460	1.4	87	16.9	525	1.1	87	9.4	602	0.7	87	100 B5 100 B14
57.8	48.5	375	2.2	87	24.2	460	1.3	87	15.6	525	1.0	87	8.7	604	0.6	87	
75.9	36.9	375	1.7	87	18.4	460	1.0	87	11.9	525	0.7	87	6.6	610	0.5	87	90 B5 90 B14
87.1	32.1	375	1.4	87	16.1	460	0.9	87	10.3	525	0.6	87	5.7	612	0.4	87	
98.4	28.5	375	1.3	87	14.2	460	0.8	87	9.2	525	0.6	87	5.1	614	0.4	87	80 B5 80 B14
107.6	26.0	375	1.2	87	13.0	460	0.7	87	8.4	525	0.5	87	4.6	598	0.3	87	
123.5	22.7	375	1.0	87	11.3	460	0.6	87	7.3	525	0.5	87	4.0	608	0.3	87	71 B5
143.1	19.6	375	0.9	87	9.8	460	0.5	87	6.3	525	0.4	87	3.5	618	0.3	87	
154.8	18.1	375	0.8	87	9.0	460	0.5	87	5.8	525	0.4	87	3.2	621	0.2	87	63 B5
168.0	16.7	375	0.7	87	8.3	460	0.5	87	5.4	525	0.3	87	3.0	622	0.2	87	
179.6	15.6	375	0.7	87	7.8	460	0.4	87	5.0	513	0.3	87	2.8	555	0.2	87	
193.6	14.5	375	0.6	87	7.2	460	0.4	87	4.6	516	0.3	87	2.6	558	0.2	87	
209.4	13.4	375	0.6	87	6.7	460	0.4	87	4.3	522	0.3	87	2.4	567	0.2	87	
220.8	12.7	375	0.6	87	6.3	460	0.3	87	4.1	525	0.3	87	2.3	625	0.2	87	
253.4	11.0	375	0.5	87	5.5	460	0.3	87	3.6	525	0.2	87	2.0	625	0.1	87	
286.0	9.8	375	0.4	87	4.9	460	0.3	87	3.1	525	0.2	87	1.7	625	0.1	87	
298.8	9.4	375	0.4	87	4.7	460	0.3	87	3.0	525	0.2	87	1.7	590	0.1	87	
342.9	8.2	375	0.4	87	4.1	460	0.2	87	2.6	525	0.2	87	1.5	607	0.1	87	
387.0	7.2	375	0.3	87	3.6	460	0.2	87	2.3	525	0.1	87	1.3	618	0.1	87	

2.7 Technická data převodovek OR *2.7 OR gearboxes performances* 2.7 Leistungen der OR-Getriebe

OR 90

Kg 44.0

ir	n_1 = 2800 min^{-1}				n_1 = 1400 min^{-1}				n_1 = 900 min^{-1}				n_1 = 500 min^{-1}				IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	
7.2	389.0	325	15	87	194.5	430	10	87	125.0	457	6.8	87	69.5	545	4.5	87	
9.0	310.8	350	13	87	155.4	450	8.4	87	99.9	490	5.9	87	55.5	586	3.9	87	
10.1	276.6	357	12	87	138.3	500	8.3	87	88.9	550	5.9	87	49.4	600	3.6	87	
11.4	245.1	400	12	87	122.5	520	7.6	87	78.8	560	5.3	87	43.8	613	3.2	87	
13.0	216.0	406	11	87	108.0	540	7.0	87	69.4	570	4.7	87	38.6	613	2.8	87	
14.0	200.6	528	13	87	100.3	590	7.1	87	64.5	740	5.7	87	35.8	850	3.6	87	
15.7	178.5	570	12	87	89.3	720	7.7	87	57.4	780	5.4	87	31.9	950	3.6	87	
17.7	158.2	570	11	87	79.1	750	7.1	87	50.9	820	5.0	87	28.3	950	3.2	87	
20.1	139.4	610	10	87	69.7	790	6.6	87	44.8	870	4.7	87	24.9	950	2.8	87	
22.9	122.1	640	9.4	87	61.0	820	6.0	87	39.2	900	4.2	87	21.8	950	2.5	87	
25.6	109.4	700	9.2	87	54.7	900	5.9	87	35.2	980	4.1	87	19.5	1122	2.6	87	
28.8	97.4	740	8.6	87	48.7	910	5.3	87	31.3	1040	3.9	87	17.4	1122	2.3	87	
32.5	86.3	740	7.6	87	43.1	910	4.7	87	27.7	1040	3.5	87	15.4	1122	2.1	87	132 B5 132 B14
36.8	76.0	740	6.7	87	38.0	910	4.1	87	24.4	1040	3.0	87	13.6	1122	1.8	87	
42.1	66.6	740	5.9	87	33.3	910	3.6	87	21.4	1040	2.7	87	11.9	1122	1.6	87	112 B5
45.1	62.1	740	5.5	87	31.0	910	3.4	87	20.0	1040	2.5	87	11.1	1122	1.5	87	100 B5
52.2	53.6	740	4.8	87	26.8	910	2.9	87	17.2	1040	2.1	87	9.6	1122	1.3	87	
59.5	47.1	740	4.2	87	23.5	910	2.6	87	15.1	1040	1.9	87	8.4	1122	1.1	87	90 B5
73.1	38.3	740	3.4	87	19.2	910	2.1	87	12.3	1040	1.5	87	6.8	1122	0.9	87	80 B5
80.5	34.8	740	3.1	87	17.4	910	1.9	87	11.2	1040	1.4	87	6.2	1122	0.8	87	
92.3	30.3	740	2.7	87	15.2	910	1.7	87	9.8	1040	1.2	87	5.4	1122	0.7	87	71 B5
94.4	29.7	740	2.6	87	14.8	910	1.6	87	9.5	1040	1.2	87	5.3	1122	0.7	87	
106.5	26.3	740	2.3	87	13.2	910	1.4	87	8.5	1040	1.1	87	4.7	1122	0.6	87	
122.3	22.9	740	2.0	87	11.4	910	1.2	87	7.4	1040	0.9	87	4.1	1122	0.5	87	
131.1	21.4	740	1.9	87	10.7	910	1.2	87	6.9	1040	0.9	87	3.8	1122	0.5	87	
151.9	18.4	740	1.6	87	9.2	910	1.0	87	5.9	1040	0.7	87	3.3	1122	0.4	87	
165.2	16.9	740	1.5	87	8.5	910	0.9	87	5.4	1040	0.7	87	3.0	1122	0.4	87	
212.6	13.2	740	1.2	87	6.6	910	0.7	87	4.2	1040	0.5	87	2.4	1122	0.3	87	
234.1	12.0	740	1.1	87	6.0	910	0.7	87	3.8	1040	0.5	87	2.1	1122	0.3	87	
268.3	10.4	740	0.9	87	5.2	910	0.6	87	3.4	1040	0.4	87	1.9	1122	0.3	87	
294.9	9.5	740	0.8	87	4.7	910	0.5	87	3.1	1040	0.4	87	1.7	1122	0.2	87	
309.6	9.0	740	0.8	87	4.5	910	0.5	87	2.9	1040	0.4	87	1.6	1122	0.2	87	
338.1	8.3	740	0.7	87	4.1	910	0.5	87	2.7	1040	0.3	87	1.5	1122	0.2	87	
390.0	7.2	740	0.6	87	3.6	910	0.4	87	2.3	1040	0.3	87	1.3	1122	0.2	87	

2.7 Technická data převodovek OR *2.7 OR gearboxes performances* 2.7 Leistungen der OR-Getriebe

OR 112

Kg 68.0

ir	n_1 = 2800 min^{-1}				n_1 = 1400 min^{-1}				n_1 = 900 min^{-1}				n_1 = 500 min^{-1}				IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	n_2 min^{-1}	T_{2M} Nm	P kW	RD %	
7.6	366.8	540	24	87	183.4	670	15	87	117.9	760	11	87	65.5	800	6.3	87	
8.9	315.6	580	22	87	157.8	715	14	87	101.4	810	9.8	87	56.3	850	5.7	87	
11.7	238.7	690	20	87	119.3	850	12	87	76.7	970	8.9	87	42.6	1000	5.1	87	
13.1	214.1	720	18	87	107.1	890	11	87	68.8	1000	8.2	87	38.2	1050	4.8	87	
16.1	174.3	940	20	87	87.2	1160	12	87	56.0	1300	8.7	87	31.1	1400	5.2	87	
17.9	156.4	1000	19	87	78.2	1230	12	87	50.3	1400	8.4	87	27.9	1450	4.8	87	
20.9	134.2	1040	17	87	67.1	1280	10	87	43.1	1460	7.5	87	24.0	1500	4.3	87	
22.2	126.1	1350	20	87	63.1	1750	13	87	40.5	1850	9.0	87	22.5	1900	5.1	87	
23.6	118.8	1100	16	87	59.4	1350	9.6	87	38.2	1540	7.0	87	21.2	1500	3.8	87	
25.5	109.7	1130	15	87	54.8	1400	9.2	87	35.3	1600	6.7	87	19.6	1600	3.7	87	
29.1	96.1	1170	13	87	48.0	1450	8.3	87	30.9	1650	6.1	87	17.2	1650	3.4	87	
29.3	95.4	1420	16	87	47.7	1750	10	87	30.7	1900	7.0	87	17.0	1900	3.9	87	
32.7	85.6	1450	15	87	42.8	1750	8.9	87	27.5	1900	6.2	87	15.3	1900	3.5	87	
38.1	73.4	1450	13	87	36.7	1750	7.7	87	23.6	1900	5.4	87	13.1	1900	3.0	87	160 B5
43.1	65.0	1450	11	87	32.5	1750	6.8	87	20.9	1900	4.7	87	11.6	1900	2.6	87	132 B5
46.6	60.0	1450	10	87	30.0	1750	6.3	87	19.3	1900	4.4	87	10.7	1900	2.4	87	112 B5
53.2	52.6	1450	9.1	87	26.3	1750	5.5	87	16.9	1900	3.8	87	9.4	1900	2.1	87	100 B5
57.1	49.0	1450	8.5	87	24.5	1750	5.1	87	15.8	1900	3.6	87	8.8	1900	2.0	87	90 B5
64.6	43.4	1450	7.5	87	21.7	1750	4.5	87	13.9	1900	3.2	87	7.7	1900	1.8	87	80 B5
76.8	36.4	1450	6.3	87	18.2	1750	3.8	87	11.7	1900	2.7	87	6.5	1900	1.5	87	
85.2	32.9	1450	5.7	87	16.4	1750	3.4	87	10.6	1900	2.4	87	5.9	1900	1.3	87	
93.7	29.9	1450	5.2	87	14.9	1750	3.1	87	9.6	1900	2.2	87	5.3	1900	1.2	87	
102.5	27.3	1450	4.7	87	13.7	1750	2.9	87	8.8	1900	2.0	87	4.9	1900	1.1	87	
110.9	25.2	1450	4.4	87	12.6	1750	2.6	87	8.1	1900	1.8	87	4.5	1900	1.0	87	
125.2	22.4	1450	3.9	87	11.2	1750	2.3	87	7.2	1900	1.6	87	4.0	1900	0.9	87	
135.6	20.6	1450	3.6	87	10.3	1750	2.2	87	6.6	1900	1.5	87	3.7	1900	0.8	87	
154.8	18.1	1450	3.1	87	9.0	1750	1.9	87	5.8	1900	1.3	87	3.2	1900	0.7	87	
166.0	16.9	1450	2.9	87	8.4	1750	1.8	87	5.4	1900	1.2	87	3.0	1900	0.7	87	
194.9	14.4	1450	2.5	87	7.2	1750	1.5	87	4.6	1750	1.0	87	2.6	1750	0.5	87	
223.5	12.5	1450	2.2	87	6.3	1750	1.3	87	4.0	1900	0.9	87	2.2	1900	0.5	87	
247.9	11.3	1450	2.0	87	5.6	1750	1.2	87	3.6	1900	0.8	87	2.0	1900	0.5	87	
281.3	10.3	1450	1.8	87	5.1	1750	1.1	87	3.3	1900	0.8	87	1.8	1900	0.4	87	
298.1	9.4	1450	1.6	87	4.7	1750	1.0	87	3.0	1900	0.7	87	1.7	1900	0.4	87	
342.9	8.2	1450	1.4	87	4.1	1750	0.9	87	2.6	1750	0.5	87	1.5	1750	0.3	87	
375.3	7.5	1450	1.3	87	3.7	1750	0.8	87	2.4	1750	0.5	87	1.3	1750	0.3	87	

Poznámka: Věnujte prosím pozornost teplotní kapacitě převodovek se silně orámovanou hodnotou vstupního výkonu jejíž ověření je u těchto převodovek důležité (viz. článek 1.7)

Pro více podrobností kontaktujte naši technickou kancelář.

NOTE. Please pay attention to the frame around the input power value: for this gearboxes it's important to check the thermal capacity (comp. par. 1.7). For details please contact our technical department).
For details please contact our technical department.

HINWEIS. Sind in den Tabellen Nennleistungen eingerahmt, so ist die thermische Leistungsgrenze der Getriebe zu beachten (s. Kapitel 1.7).
Für weitere Informationen wenden Sie sich bitte and unser technisches Büro.

Poznámka:

Uvedené váhy jsou pouze informativní a mohou se lišit podle provedení převodovky.

NOTE.
Listed weights are for reference only and can vary according to the gearbox version.

HINWEIS.
Die angegeben Gewichtsmaße sind Richtwerte und können je nach Getriebeversion variieren.

V tabulce 7.5 jsou uvedeny možné rozměry IEC hřídel/příruba

In table 7.5 the possible shaft/flange dimensions IEC standard are listed.

IIn Tabelle 7.5 sind die verfügbaren IEC-Standardmotoreingänge mit den Wellen-u. Flanschabmessungen aufgelistet.

Tab. 7.5

	IEC	Možné spojení s IEC motory *Possible couplings with IEC motors* Mögliche Verbindungen mit IEC-Motoren ir všechny / *All* / Alle	
OM 63	63	**11/140** (B5)	
	71	**14/160** (B5)	
	80	**19/200** (B5) **- 19/120** (B14)	19/160 - 19/140
	90	**24/200** (B5) **- 24/140** (B14)	24/160 - 24/120
	100	**28/250** (B5) **- 28/160** (B14)	
OM 71	63	**11/140** (B5)	
	71	**14/160** (B5)	14/200 - 14/140 - 14/120
	80	**19/200** (B5) **- 19/120** (B14)	19/160 - 19/140
	90	**24/200** (B5) **- 24/140** (B14)	24/160 - 24/120
	100	**28/250** (B5) **- 28/160** (B14)	
	112	**28/250** (B5) **- 28/160** (B14)	

	IEC	Možné spojení s IEC motory *Possible couplings with IEC motors* Mögliche Verbindungen mit IEC-Motoren ir všechny / *All* / Alle	
OM 90	71	**14/160** (B5)	
	80	**19/200** (B5)	
	90	**24/200** (B5)	24/300 - 24/250
	100	**28/250** (B5)	28/200 - 28/300
	112	**28/250** (B5)	28/200 - 28/300
	132	**38/300** (B5)**- 38/200** (B14)	38/250
OM 112	80	**19/200** (B5)	
	90	**24/200** (B5)	
	100	**28/250** (B5)	28/350 - 28/300
	112	**28/250** (B5)	28/350 - 28/300
	132	**38/300** (B5)	38/350 - 38/250
	160	**42/350** (B5)	42/300 - 42/250

Vysvětlivka:

19/200 (B5) 19/160

19/200: standardní kombinace hřídel/příruba
(B5): konstrukční tvar IEC motoru
19/160: hřídel/příruba podle požadavku

Key:

19/200 *(B5)* *19/160*

19/200 *: standard shaft/flange combination*
(B5) : IEC motor constructive shape
19/160 : shaft/flange combinations upon request

Legende:

19/200 (B5) 19/160

19/200 : Standardkombinationen Welle/Flansch
(B5) : Konstruktionsform IEC-Motor
19/160 : Sonderkombinationen Welle/Flansch