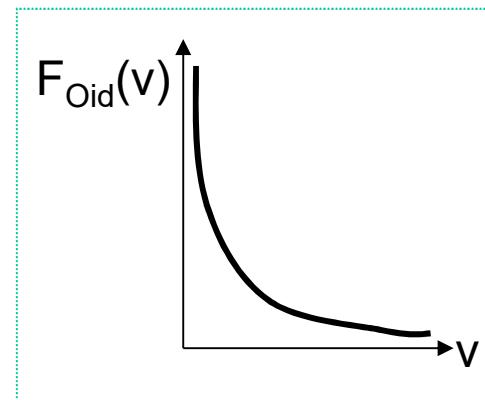


3. Vučno-brzinska karakteristika

Idealna hiperbola vuče

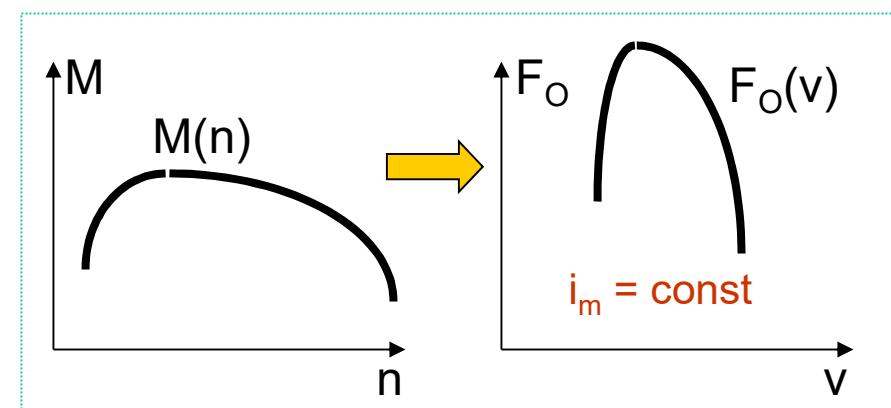
$$F_{Oid} = \frac{3600 \cdot P_{MAX} \cdot \eta_{TR}}{v}$$



Stvarne krive vuče u pojedinim stepenima prenosa:

$$F_o = \frac{M \cdot i_m \cdot i_{GP} \cdot \eta_{TR}}{r_D}$$

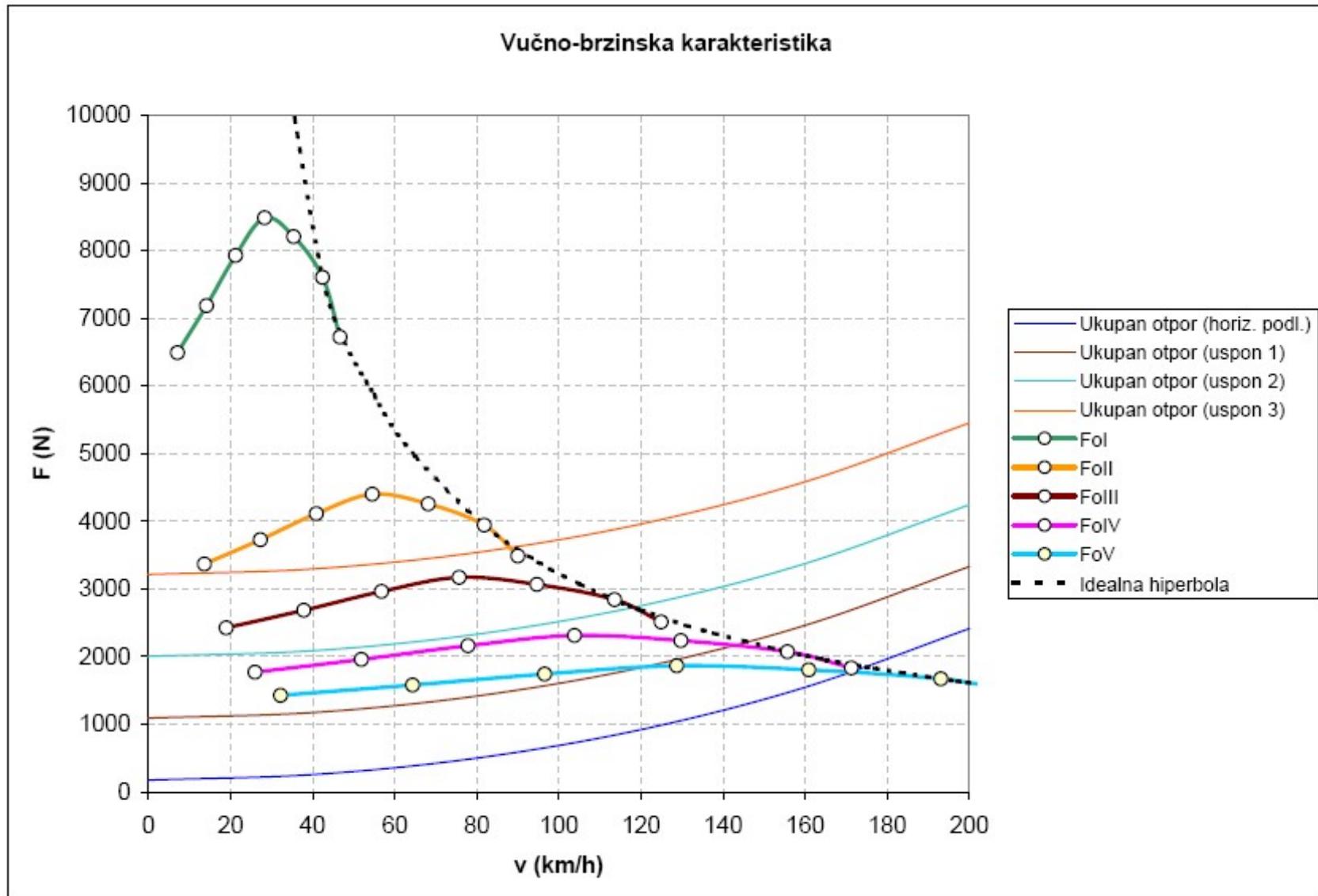
$$v = \frac{0,377 \cdot r_D \cdot n}{i_m \cdot i_{GP}}$$



3. Vučno-brzinska karakteristika

Karakteristika motora:											
	n (o/min)	1000	2000	3000	4000	5000	6000	6600			
	M (Nm)	140	155	171	183	177	164	145			
	P (kW)	14.7	32.4	53.7	76.6	92.6	103.0	100.2			
Idealna hiperbola:											
Vučno-brzinska karakteristika:											
									brzina	sila	
									20	16130	
i _I = 4.55	Brzina	v _I	7	14	21	28	35	42	47	42	7601
	Obimna sila	F _{oI}	6492	7188	7929	8486	8208	7605	6724	55	5865
										65	4963
i _{II} = 2.36	Brzina	v _{II}	14	27	41	55	68	82	90	82	3943
	Obimna sila	F _{oII}	3367	3728	4113	4401	4257	3945	3488	95	3396
										105	3072
i _{III} = 1.7	Brzina	v _{III}	19	38	57	76	95	114	125	114	2840
	Obimna sila	F _{oIII}	2426	2685	2963	3171	3067	2842	2512	120	2688
										135	2390
i _{IV} = 1.24	Brzina	v _{IV}	26	52	78	104	130	156	171	156	2072
	Obimna sila	F _{oIV}	1769	1959	2161	2313	2237	2073	1832	165	1955
										175	1843
i _V = 1	Brzina	v _V	32	64	97	129	161	193	212	193	1671
	Obimna sila	F _{oV}	1427	1580	1743	1865	1804	1671	1478	200	1613

3. Vučno-brzinska karakteristika



3. Vučno-brzinska karakteristika

Maksimalna brzina kretanja za pojedine uglove nagiba podloge: (očitano sa dijagrama)				
$\alpha = 0^\circ$	$v_{MAX} \approx$	171	km/h	
$\alpha = 3^\circ$	$v_{MAX} \approx$	140	km/h	
$\alpha = 6^\circ$	$v_{MAX} \approx$	118	km/h	
$\alpha = 10^\circ$	$v_{MAX} \approx$	88	km/h	

3. Vučno-brzinska karakteristika
