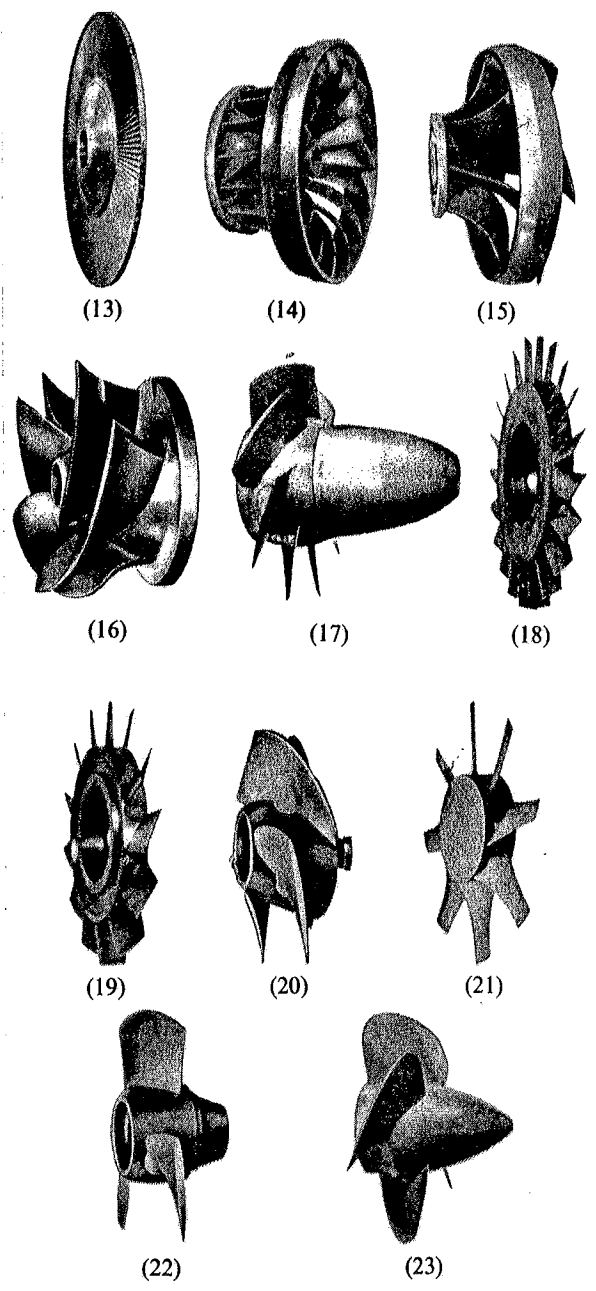


	$N_s$		$N_s$
(1) Pelton wheel	0.05	(7) Steam turbine	0.54
(2) Pelton wheel	0.13	(8) Steam turbine	1.07
(3) Francis turbine	0.38	(9) Centrifugal pump	1.07
(4) Steam turbine	0.4	(10) Gas turbine	1.18
(5) Centrifugal pump	0.54	(11) Radial compressor	1.34
(6) Radial compressor	0.54	(12) Axial compressor	1.6

Figure 1.11 Some rotor designs and their dimensionless specific speeds



	$N_s$		$N_s$
(13) Steam turbine	1.6	(19) Axial compressor	3.21
(14) Francis turbine	1.72	(20) Propeller pump	3.21
(15) Francis turbine	2.14	(21) Axial blower	4.82
(16) Mixed flow pump	2.14	(22) Propeller pump	5.36
(17) Kaplan turbine	2.41	(23) Kaplan turbine	5.36
(18) Axial compressor	2.41		

Figure 1.11 (contd)

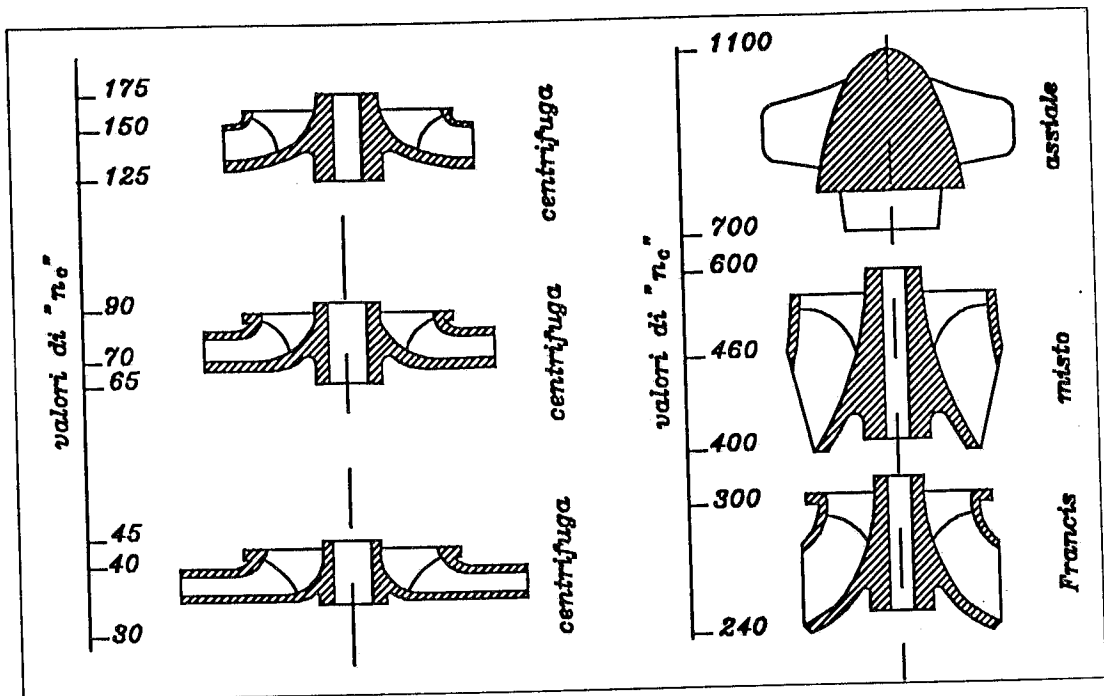


Figura 211. Tipologia delle giranti secondo il "numero caratteristico dei giri"

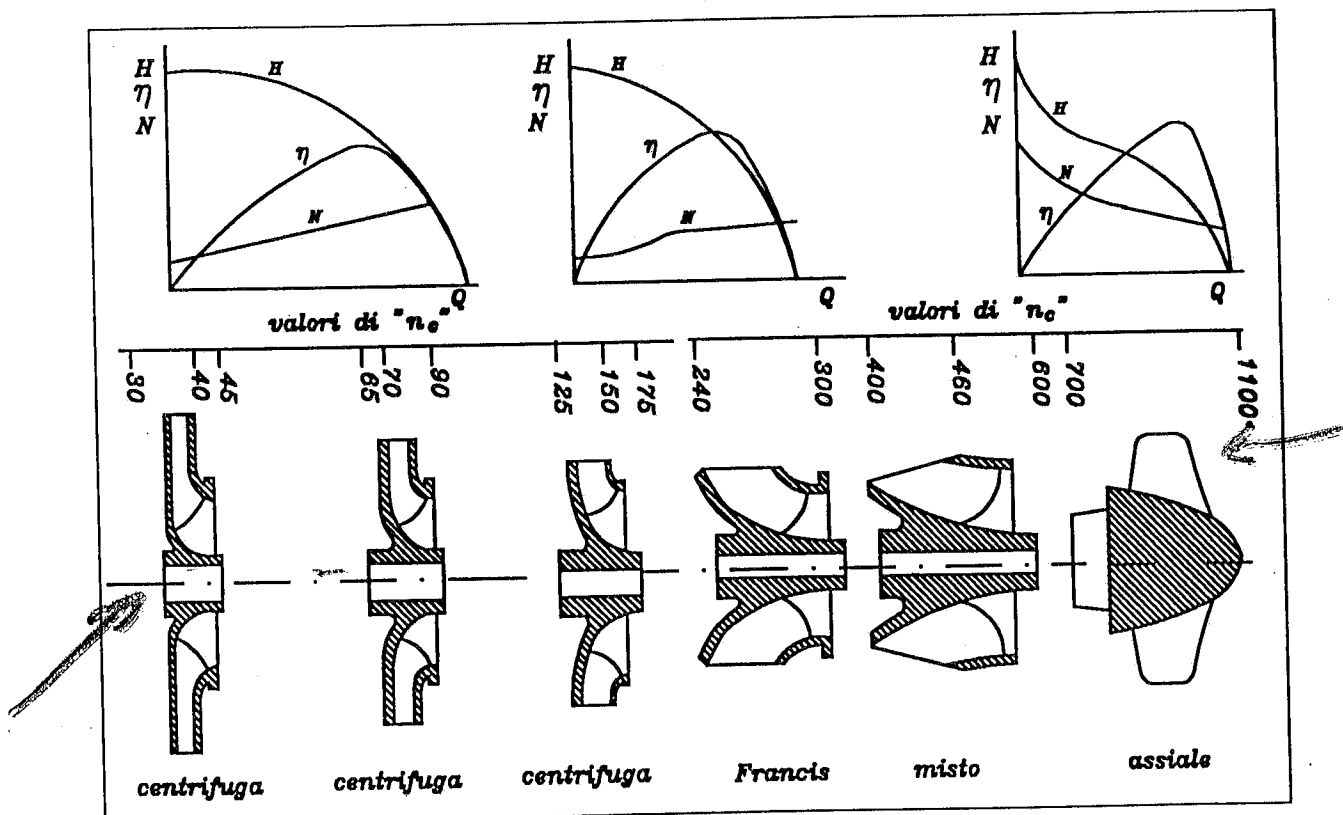


Figura 214. Curve caratteristiche tipiche per giranti di forme diverse

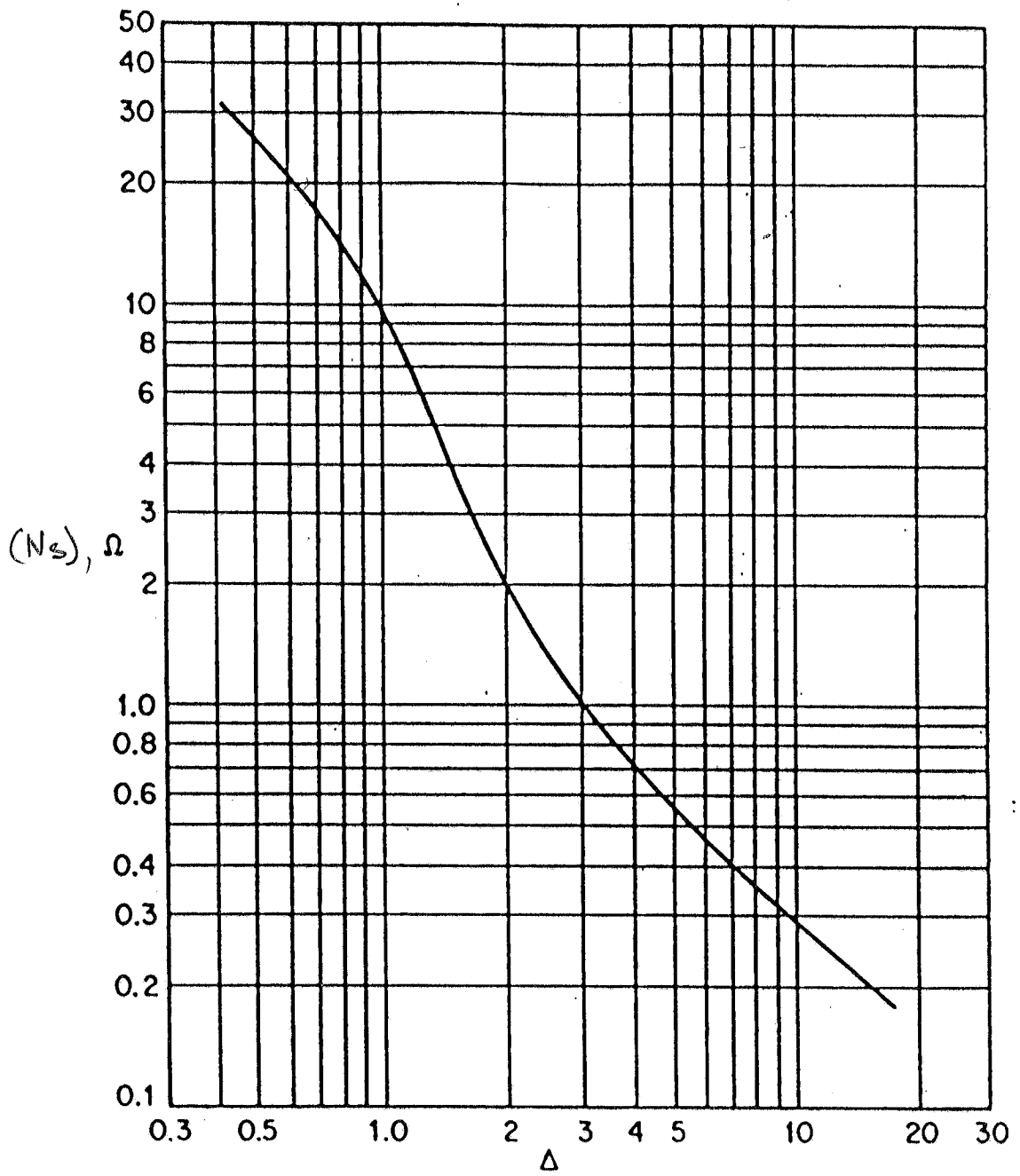


FIGURE 6. Cordier diagram showing the empirical relationship between specific speed  $\Omega$  and specific diameter  $\Delta$ .