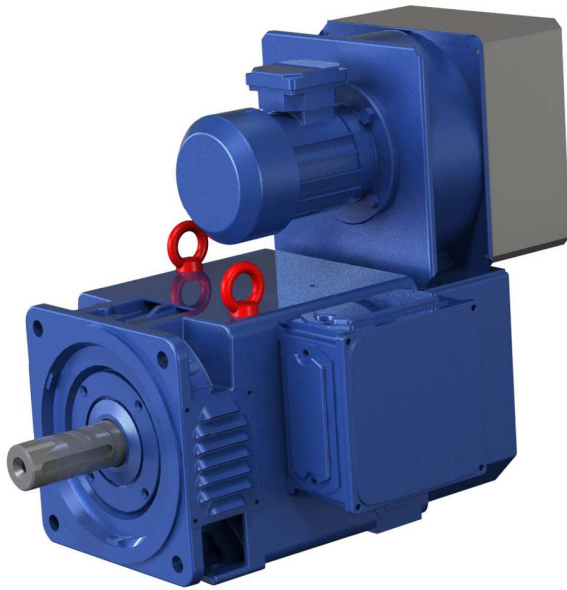


# POWERTECH TETRAVEC 132K

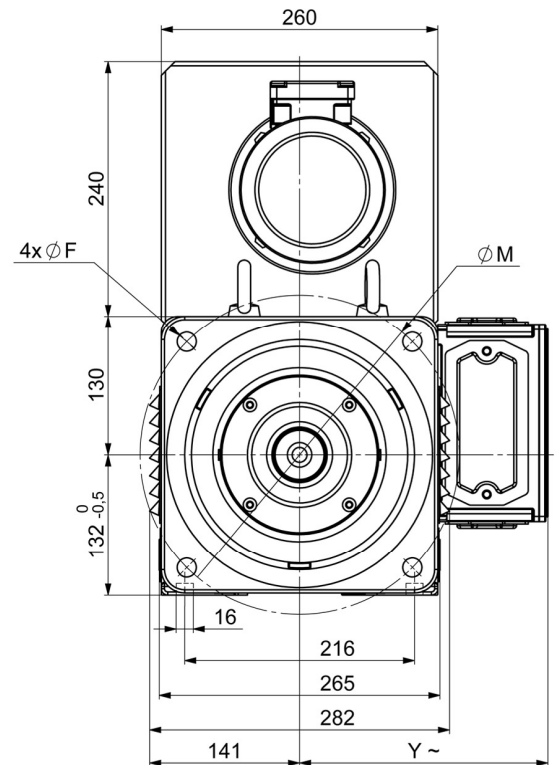
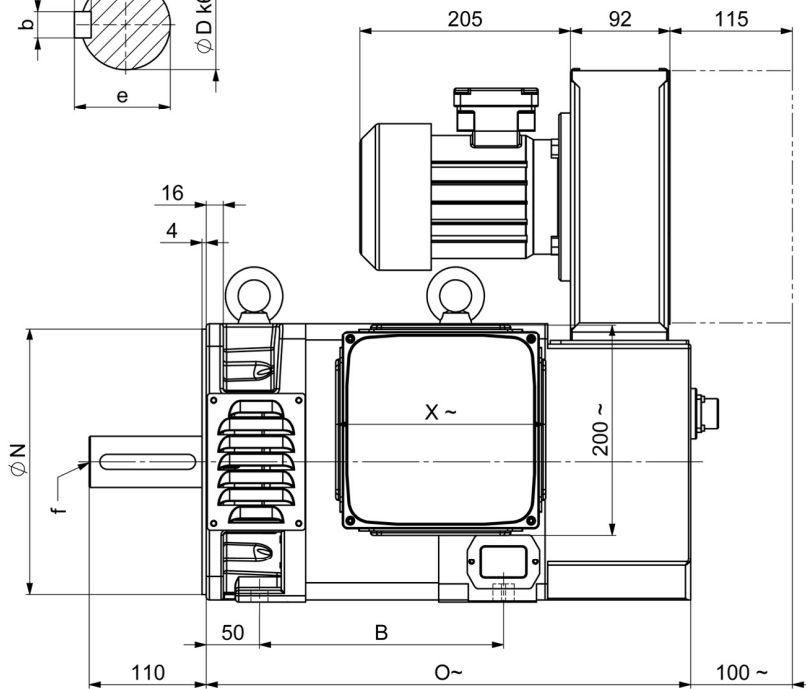
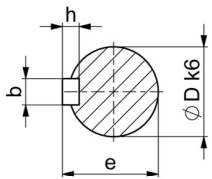
## ASYNCHRONOUS MOTORS

# OVERVIEW

Rev. 1.3



IP PROTECTION	IP23
THERMAL PROTECTION TYPE	KLIXON (PT100, PTC on request)
BALANCING, VIBRATION GRADE (EN 60034-14 / VDE 0530 part 14)	A (B on request)
INSULATION CLASS	F
COOLING METHOD	IC06 (with filter on request)
STANDARD FAN DETAILS	3x230/400Vac 50Hz 1,9/1,1A
Amb. Cond.	0 + 40°C (32 + 104°F) 1000m ASL
TRANSDUCER	ENCODER OR RESOLVER (on request)
MOUNTING FORM	B3, B35, or other on request
BRAKE	up to 300 Nm (on request)
DE BEARING	BALL (ROLLER on request)
NDE BEARING	BALL
MAX MECHANICAL SPEED	6500 r.p.m. (standard version) 10000 r.p.m. (4S version)
PAINTING SYSTEM	NITRO, POLYURETHANIC, C5M, on request



VARIABLES DIMENSIONS BY SIZE

SIZE	B	O	X	Y
132K.1	227	460	200	235
132K.2	272	505	200	235
132K.3	307	540	265	285
132K.4	377	610	265	285
132K.5	447	680	265	285

FLANGE

M	N	F
265	230	14
300	250	18

SHAFT AND KEYWAY

D	bxh	e	f
42 *	12x8	45	M12
48	14x9	51,5	M16

\* OPTION

unit [mm]

TETRAVEC 132K.1

Tmax/Tn=2.1		J=0.042Kgm <sup>2</sup>		S1					S6/40%						
Poles: 4															
VOLT	HZ	RPM	slip	L <sub>arm</sub>	KW	Nm	cosφ	const. power RPM	L <sub>arm</sub>	KW	Nm	const. power RPM	Eff. S1		
380	37,3	1060	59	31,0	15,0	135,2	0,830	1600	43,4	21,0	189,2	1200	0,887		
332	37,3	1060	59	35,4	15,0	135,2	0,830	1600	49,6	21,0	189,2	1200	0,889		
380	54,4	1580	52	45,0	22,0	133,0	0,830	2400	63,0	30,8	186,2	1800	0,896		
346	54,4	1580	52	50,0	22,0	133,0	0,830	2400	70,0	30,8	186,2	1800	0,886		
380	74,5	2180	55	58,0	28,0	122,7	0,830	3300	81,2	39,2	171,7	2500	0,885		
325	74,5	2180	55	68,0	28,0	122,7	0,830	3300	95,2	39,2	171,7	2500	0,882		
380	87,7	2580	51	66,0	32,0	118,5	0,825	3900	92,4	44,8	165,8	2950	0,894		
348	87,7	2580	51	72,0	32,0	118,5	0,825	3900	100,8	44,8	165,8	2950	0,895		
380	107,3	3170	49	76,5	38,0	114,5	0,815	4800	107,1	53,2	160,3	3600	0,927		
342	107,3	3170	49	85,0	38,0	114,5	0,815	4800	119,0	53,2	160,3	3600	0,927		
380	126,5	3750	45	85,0	42,0	107,0	0,810	5650	119,0	58,8	149,8	4250	0,928		
342	126,5	3750	45	95,0	42,0	107,0	0,810	5650	133,0	58,8	149,8	4250	0,923		

Tmax/Tn=2.1		J=0.042Kgm <sup>2</sup>		S1					S6/40%						
Poles: 4															
VOLT	HZ	RPM	slip	L <sub>arm</sub>	KW	Nm	cosφ	const. power RPM	L <sub>arm</sub>	KW	Nm	const. power RPM	Eff. S1		
400	39,3	1120	58	31,0	16	135,2	0,830	1700	43,4	22	189,2	1250	0,887		
400	57,3	1670	48	45,0	23	133,0	0,830	2550	63,0	33	186,2	1900	0,896		
400	78,4	2300	53	58,0	30	122,7	0,830	3450	81,2	41	171,7	2650	0,885		
400	92,3	2720	49	66,0	34	118,5	0,825	4100	92,4	47	165,8	3100	0,894		
400	112,9	3340	48	76,5	40	114,5	0,815	5050	107,1	56	160,3	3800	0,927		
400	133,2	3950	45	85,0	44	107,0	0,810	5950	119,0	62	149,8	4450	0,928		

Tmax/Tn=2.1		J=0.042Kgm <sup>2</sup>		S1					S6/40%						
Poles: 4															
VOLT	HZ	RPM	slip	L <sub>arm</sub>	KW	Nm	cosφ	const. power RPM	L <sub>arm</sub>	KW	Nm	const. power RPM	Eff. S1		
460	38,1	1090	53	26,2	15,4	134,9	0,830	1650	36,7	21,6	188,9	1250	0,890		
460	55,8	1620	53	37,8	22,5	132,7	0,830	2450	53,0	31,5	185,8	1850	0,900		
460	73,1	2140	53	46,3	27,5	122,7	0,830	3250	64,8	38,5	171,8	2450	0,900		
460	91,0	2680	50	55,2	33,0	117,6	0,825	4050	77,3	46,2	164,6	3050	0,910		
460	108,3	3200	49	63,3	38,0	113,4	0,820	4800	88,6	53,2	158,8	3600	0,920		

Note: Speed values must be technically compatible with bearings type and applied accessories