

# PRO22

THREE-PHASE BRUSHLESS SYNCHRONOUS ALTERNATORS WITH ELECTRONIC REGULATION - 4 POLES  
 ALTERNATEURS SYNCHRONES TRIPHASÉ SANS BALAIS AVEC RÉGULATION ÉLECTRONIQUE - 4 POLES  
 DREIPHASIGE BÜRSTENLOSE SYNCHROGENERATOREN MIT ELEKTRONISCHER REGULIERUNG - 4 POLEN



## 50Hz - 1500rpm - cosφ = 0.8

TIPO - TYPE	Potenza resa Rating Power [kVA]				Rendimento Efficiency		Volume d'aria Air volume
	Nominal	Class H T <sub>A</sub> = 40°C	Class F T <sub>A</sub> = 40°C	Stand By 163°C/27°C	4/4	3/4	[m <sup>3</sup> / min]
<b>PRO22S A/4</b>	<b>63</b>	63	59	71	90.1%	90.4%	18.2
<b>PRO22S B/4</b>	<b>75</b>	75	69	82	90.3%	90.5%	18.0
<b>PRO22S C/4</b>	<b>85</b>	85	79	96	90.3%	90.6%	18.0
<b>PRO22S D/4</b>	<b>100</b>	100	93	113	90.6%	90.9%	17.9
<b>PRO22M E/4</b>	<b>130</b>	130	121	147	92.3%	92.5%	18.2
<b>PRO22M F/4</b>	<b>150</b>	150	139.5	169.5	92.6%	92.8%	20.1

## 60Hz - 1800rpm - cosφ = 0.8

TIPO - TYPE	Potenza resa Rating Power [kVA]				Rendimento Efficiency		Volume d'aria Air volume
	Nominal	Class H T <sub>A</sub> = 40°C	Class F T <sub>A</sub> = 40°C	Stand By 163°C/27°C	4/4	3/4	[m <sup>3</sup> / min]
<b>PRO22S A/4</b>	<b>76</b>	76	70.5	85.5	90.4%	90.6%	21.3
<b>PRO22S B/4</b>	<b>90</b>	90	83	98	90.4%	90.7%	21.6
<b>PRO22S C/4</b>	<b>102</b>	102	95	115	90.6%	90.8%	21.1
<b>PRO22S D/4</b>	<b>120</b>	120	111.5	135.5	90.9%	91.1%	20.8
<b>PRO22M E/4</b>	<b>156</b>	156	145	176	92.5%	92.7%	21.2
<b>PRO22M F/4</b>	<b>180</b>	180	167.5	203.5	92.8%	93.0%	23.5

TIPO - TYPE	Potenza resa Rating power [kVA]		Momento di inerzia Momentum of inertia [kg·m <sup>2</sup> ]			Peso Weight [kg]	
	50Hz	60Hz	B2 SAE 11 ½	B2 SAE 14	B3/B14	B2 SAE	B3/B14
<b>PRO22S A/4</b>	63	76	0.729	0.878	0.652	263.5	283.5
<b>PRO22S B/4</b>	75	90	0.853	1.001	0.775	295	315
<b>PRO22S C/4</b>	85	102	0.932	1.080	0.854	316	336
<b>PRO22S D/4</b>	100	120	1.074	1.222	0.996	354	374
<b>PRO22M E/4</b>	130	156	1.308	1.456	1.230	434	454
<b>PRO22M F/4</b>	150	180	1.480	1.628	1.402	474.5	494.5

TIPO - TYPE	Potenza resa Rating power [kVA]		Reattanze e costanti di tempo* Reactances and time constants*								Avvolg. principale Main winding
	50Hz	60Hz	pcc	X <sub>d</sub>	X' <sub>d</sub>	X'' <sub>d</sub>	X <sub>q</sub>	T' <sub>do</sub>	T' <sub>d</sub>	T'' <sub>d</sub>	R [Ω at 20°C]
<b>PRO22S A/4</b>	63	76	0.48	302%	19%	9.5%	191%	236	20	12	0.098
<b>PRO22S B/4</b>	75	90	0.53	301%	19%	9.5%	195%	245	21	12	0.060
<b>PRO22S C/4</b>	85	102	0.45	300%	19%	9.5%	202%	258	21	11	0.054
<b>PRO22S D/4</b>	100	120	0.47	298%	18%	9.0%	194%	277	22	11	0.040
<b>PRO22M E/4</b>	130	156	0.45	295%	19%	8.5%	195%	298	23	10	0.028
<b>PRO22M F/4</b>	150	180	0.44	290%	18%	8.5%	193%	310	23	10	0.024

## OVERALL DIMENSIONS PRO22 - ENCOMBREMENT PRO22 - GRÖSSE PRO22

