

# TIPS FOR SELECTING THE RIGHT FREQUENCY CONVERTER

## Main criteria for converter selection:

1. Power supply in technical room:
2. Pump power supply:
3. Max. current proud (A):

1F = 230 V		3F = 400 V	
230 V	230/400 V	230/400 V	400/690 V
max. 10,5 A	max. 10,5 A	depends on model	depends on model

POWER SUPPLY:		FREQUENCY CONVERTER					
Technology room	Pump	Max. current	Converter Model	Converter Name	Connection	Compatible pump examples	
1F = 230 V	230 V	Up to 7 A	57DODE312007011	FR.CONV. 0,75kW,7A,IN1F,OUT1F,IP66	Standard 230 V	Preva M, FF, Micro Delfino, Magic, Axel <12, Bettar <12, Bettar Top S II <14, Prime <11 230V	
		Up to 7 A	57DODE322010711	FR.CONV. 1,5kW, 7A,IN1F,OUT1F,IP66	Standard 230 V	Axel 14, Bettar 14, Bettar Top S II 20, Prime <20 230V	
		Up to 10,5 A	57DODE322010511	FR.CONV. 1,1kW; 10,5A; IN1F; OUT1F, IP66	Standard 230 V	Winner 100M, Bettar Top S II 25, Badu Prime <20 230V	
	230/400 V	Up to 4,3 A	57DODE31200431	FR.CONV. 0,75kW/4,3A,IN1F,OUT3F	3x230 V / triangle	Preva T, Bettar Top S II 230/400 V < 4,3 A, Badu Prime <11 230/400 V	
					F1=L (phase), F2=N (neutral)	All single-phase pumps up to 4,3 A	
	230/400 V	Up to 7 A	57DODE31200701	FR.CONV. 1,5kW, 7A,IN1F,OUT3F,IP66	3x230 V / triangle	Preva T, Winner <150T, Bettar Top S II 230/400 V, Badu Prime <20 230/400 V	
					F1=L (phase), F2=N (neutral)	All single-phase pumps up to 7 A	
	230/400 V	Up to 10,5 A	57DODE32201051	FR.CONV. 2,2kW; 10,5A; IN1F; OUT3F, IP66	3x230 V / triangle	Preva T, Winner <200T, Bettar Top S II 230/400 V, Badu Prime <30 230/400 V	
F1=L (phase), F2=N (neutral)					All single-phase pumps up to 10,5 A		
3F = 400 V	230/400 V (Up to approx. 5,5 kW)	Up to 5,8 A	57DODE32400583	FR.CONV. 2,2kW,5,8A,IN3F,OUT3F,IP66	3x400 V / star	230/400 V pumps up to 5,8 A (Resort <30, Winner <200T, ...)	
		Up to 9,5 A	57DODE32400953	FR.CONV. 4kW,9,5A,IN3F,OUT3F,IP66	3x400 V / star	230/400 V pumps up to 9,5 A (Resort <70 *, Winner/Supra/Bravus/Magnus <300T, NewBCC/Big Discovery <550T)	
		Up to 14 A	57DODE33401403	FR.CONV. 5,5kW,14A,IN3F,OUT3F,IP66	3x400 V / star	230/400 V pumps up to 14 A (Resort <70 *, Supra/Magnus/Bravus <400T *)	
		and other converters from our offer			3x400 V / star	All 230/400 V pumps with maximal A/kW based on converter model	
	400/690 V (Above 5,5 kW)	Up to 39 A	57DODE34403903	FR.CONV. 18,5kW,39A,IN3F,OUT3F,IP66	3x400 V / triangle	400/690 V pumps up to 39 A/18,5 kW (Magnus 750+)	
and other converters from our offer			3x400 V / triangle	All 400/690 V pumps with maximal A/kW based on converter model			