

460V_{AC}, 3Ø, Motor Power Range 0.7~560 kW for Heavy Duty Applications

Frame	Model Name	Output						Input		Power Supply	
	VFD__C4_-00 / -21	Heavy Duty (HD) ^{*1}			Super Heavy Duty (SHD)			Heavy Duty (HD)	Super Heavy Duty (SHD)	Heavy Duty (HD)	Super Heavy Duty (SHD)
		Motor Power Range (kW)	Motor Power Range (HP)	Rated Output Current (A) ^{*5}	Motor Power Range (kW)	Motor Power Range (HP)	Rated Output Current (A) ^{*5}	Rated Input Current (A) ^{*2}	Rated Input Current (A)	Power Supply Capacity (kVA) ^{*3}	Power Supply Capacity (kVA)
A	007	0.75	1	3	0.4	0.5	1.7	4.3	3.5	3.6	2.9
	015	1.5	2	4	0.75	1	3	5.9	4.3	4.9	3.6
	022	2.2	3	6	1.5	2	4	8.7	5.9	7.2	4.9
	037	3.7	5	9	2.2	3	6	14	8.7	11.6	7.2
	040	4.0	5	10.5	3.7	5	9	15.5	14	12.9	11.6
	055	5.5	7.5	12	4.0	5	10.5	17	15.5	14.1	12.9
B	075	7.5	10	18	5.5	7.5	12	20	17	16.6	14.1
	110	11	15	24	7.5	10	18	26	20	21.6	16.6
	150	15	20	32	11	15	24	35	26	29.1	21.6
C	185	18.5	25	38	15	20	32	40	35	33.3	29.1
	220	22	30	45	18.5	25	38	47	40	39.1	33.3
	300	30	40	60	22	30	45	63	47	52.4	39.1
D0	370	37	50	73	30	40	60	74	63	61.5	52.4
	450	45	60	91	37	50	73	101	74	84.0	61.5
D	550	55	75	110	45	60	91	114	101	94.8	84.0
	750	75	100	150	55	75	110	157	114	130.5	94.8
E	900	90	125	180	75	100	150	167	157	138.8	130.5
	1100	110	150	220	90	125	180	207	167	172.1	138.8
F	1320	132	175	260	110	150	220	240	207	199.5	172.1
	1600	160	215	310	132	175	260	300	240	249.4	199.5
G	1850	185	250	370	160	215	310	380	300	315.9	249.4
	2000 ^{*4}	200	270	395	160	215	310	395	300	328.4	249.4
	2200	220	300	460	185	250	370	400	380	332.5	315.9
	2500 ^{*4}	250	340	481	200	270	395	447	390	371.6	324.2
H	2800	280	375	550	220	300	460	494	400	410.7	332.5
	3150	315	420	616	280	375	550	555	494	461.4	410.7
	3550	355	475	683	315	425	616	625	555	519.6	461.4
	4000 ^{*4}	400	530	770	355	475	683	770	590	640.1	490.5
	4500	450	600	866	355	475	683	866	625	720.0	519.6
	5000	500	675	930	450	600	866	930	866	773.2	720.0
	5600	560	750	1094	500	675	930	1094	930	909.5	773.2
Heavy Duty (HD)		At 150% of the rated output current, continuous operation lasts up to 1 min. in every 5 mins. At 180% of the rated output current, continuous operation lasts up to 3 secs. in every 30 secs.									
Super Heavy Duty (SHD)		At 150% of the rated output current, continuous operation lasts up to 1 min. in every 5 mins. At 200% of the rated output current, continuous operation lasts up to 3 secs. in every 30 secs.									
Rated Input Voltage		3Ø, 380~480 V _{AC} (-15%~+10%)									
Rated Input Frequency		50/60Hz									
Permissible Power Frequency Variation		±5% (47~63Hz)									
Displacement Power Factor (cosφ)		> 0.98									
Carrier Wave Frequency^{*6}		Please see Note 6 below									
Efficiency		97.8% (Frames A, B, C, D0, D); 98.2% (Frames E, F, G, H)									
Cooling Method		Forced air-cooling (The models 007 and 015 are for natural cooling)									
Braking Chopper		Built-in for frames A, B, C; optional for frames D0, D, E, F, G, H									
DC Reactor		Optional for frames A, B, C; built-in for frames D0, D, E, F, G, H									
EMC Filter		Built-in for VFDxxxC4EA-21 frames A, B, C; optional for other frames									
EMC-COP01		Built-in for VFDxxxC4EA-21 frames A, B, C and VFDxxxC43A-21 frames D0, D, E, F, G, H; optional for other frames									

Notes:

- Factory rated load (parameter 00-16) is heavy duty by default.
- Rated input current may vary with the power supply impedance, power adapter, input impedance, DC reactor and the actual loading.
- Power supply capacity is calculated based on the rated input current and 480V_{AC} to select an electrical transformer capacity.
- The model is market ready. Please contact us if you need it. For SHD models, please note the rated output current value.
- For applications at high altitude, high ambient temperature, or with high carrier wave and advanced motor vector control. Refer to the user manual for corresponding derating curves.
- Refer to the user manual for the default carrier wave frequency, adjustable range and derating curves.