

2.8

Adjustable Frequency Drives

PowerXL DH1 Series Drives

Standards and Certifications

Product

- IEC/EN 61800-5-1
- IEC/EN 61800-5-2
- UL 508C
- IEC 61508
- EN 62061
- EN ISO 13849-1

EMC

- Immunity: IEC/EN 61800-3
- Category C2

Certification

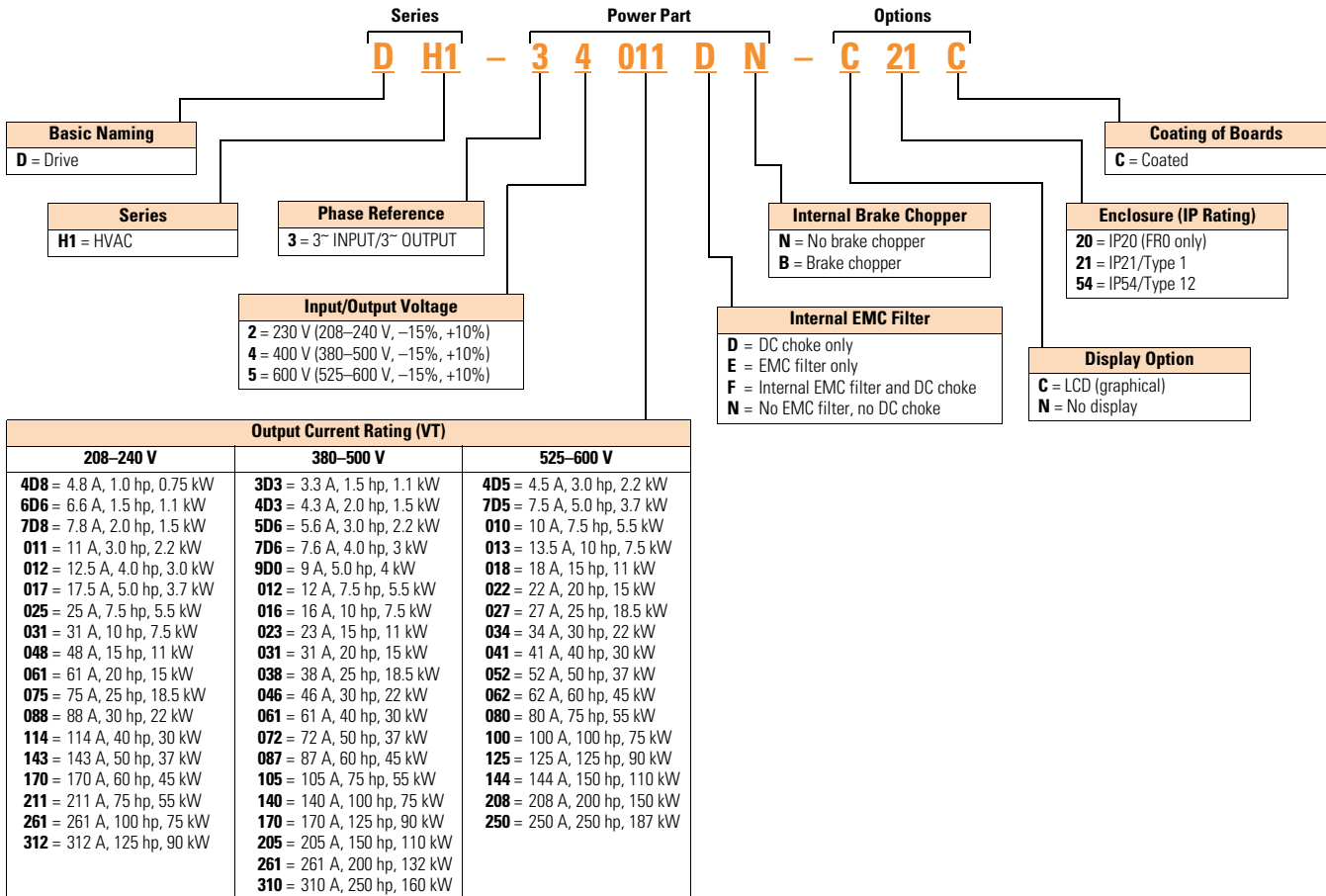
- UL
- cUL
- CE
- C-Tick
- RoHS
- Plenum rated



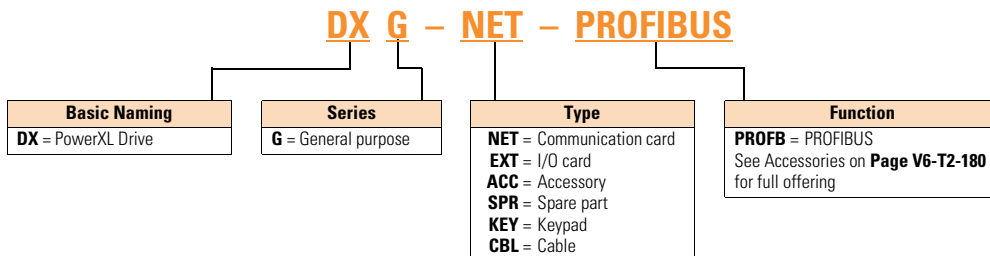
Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

PowerXL Series—DH1 HVAC/R Drive



PowerXL Series—DH1 HVAC/R Drive Option Boards



Product Selection

DH1 Series Drives—208–240 Volt

PowerXL Series—DH1 Type 1/IP21



Frame Size	Variable Torque (VT) / Low Overload (I _L)			Catalog Number
	230 V, 50 Hz kW Rating	230 V, 60 Hz hp	Current A	
FR0	0.75	1	4.8	DH1-324D8EB-C20C ①
	1.1	1.5	6.6	DH1-326D6EB-C20C ①
	1.5	2	7.8	DH1-327D8EB-C20C ①
FR1	0.75	1	4.8	DH1-324D8DN-C21C
	1.1	1.5	6.6	DH1-326D6DN-C21C
	1.5	2	7.8	DH1-327D8DN-C21C
	2.2	3	11	DH1-32011DN-C21C
	3	—	12.5	DH1-32012DN-C21C
FR2	3.7	5	17.5	DH1-32017DN-C21C
	5.5	7.5	25	DH1-32025DN-C21C
	7.5	10	31	DH1-32031DN-C21C
FR3	11	15	48	DH1-32048DN-C21C
	15	20	61	DH1-32061DN-C21C
FR4	18.5	25	75	DH1-32075DN-C21C
	22	30	88	DH1-32088DN-C21C
	30	40	114	DH1-32114DN-C21C
FR5	37	50	143	DH1-32143DN-C21C
	45	60	170	DH1-32170DN-C21C
	55	75	211	DH1-32211DN-C21C
FR6	75	100	261	DH1-32261FN-C21C
	90	125	312	DH1-32312FN-C21C

PowerXL Series—DH1 Type 12/IP54



Frame Size	Variable Torque (VT) / Low Overload (I _L)			Catalog Number
	230 V, 50 Hz kW Rating	230 V, 60 Hz hp	Current A	
FR1	0.75	1	4.8	DH1-324D8DN-C54C
	1.1	1.5	6.6	DH1-326D6DN-C54C
	1.5	2	7.8	DH1-327D8DN-C54C
	2.2	3	11	DH1-32011DN-C54C
	3	—	12.5	DH1-32012DN-C54C
FR2	3.7	5	17.5	DH1-32017DN-C54C
	5.5	7.5	25	DH1-32025DN-C54C
	7.5	10	31	DH1-32031DN-C54C
FR3	11	15	48	DH1-32048DN-C54C
	15	20	61	DH1-32061DN-C54C
FR4	18.5	25	75	DH1-32075DN-C54C
	22	30	88	DH1-32088DN-C54C
	30	40	114	DH1-32114DN-C54C
FR5	37	50	143	DH1-32143DN-C54C
	45	60	170	DH1-32170DN-C54C
	55	75	211	DH1-32211DN-C54C
FR6	75	100	261	DH1-32261FN-C54C
	90	125	312	DH1-32312FN-C54C

Note

① IP20 FR0 will be available in June 2018.

DH1 Series Drives—575 Volt**PowerXL Series—DH1 Type 1/IP21**

Frame Size	Variable Torque (VT) / Low Overload (I _L)			Catalog Number
	575 V, 60 Hz kW Rating	575 V, 60 Hz hp	Current A	
FR1	2.2	3	4.5	DH1-354D5FB-C21C
	3.7	5	7.5	DH1-357D5FB-C21C
	5.5	7.5	10	DH1-35010FB-C21C
FR2	7.5	10	13.5	DH1-35013FB-C21C
	11	15	18	DH1-35018FB-C21C
	15	20	22	DH1-35022FB-C21C
FR3	18.5	25	27	DH1-35027FB-C21C
	22	30	34	DH1-35034FB-C21C
	30	40	41	DH1-35041FB-C21C
FR4	37	50	52	DH1-35052FN-C21C
	45	60	62	DH1-35062FN-C21C
	55	75	80	DH1-35080FN-C21C
FR5	75	100	100	DH1-35100FN-C21C
	90	125	125	DH1-35125FN-C21C
	110	150	144	DH1-35144FN-C21C
FR6	150	200	208	DH1-35208FN-C21C
	187	250	250	DH1-35250FN-C21C

PowerXL Series—DH1 Type 12/IP54

Frame Size	Variable Torque (VT) / Low Overload (I _L)			Catalog Number
	575 V, 60 Hz kW Rating	575 V, 60 Hz hp	Current A	
FR1	2.2	3	4.5	DH1-354D5FB-C54C
	3.7	5	7.5	DH1-357D5FB-C54C
	5.5	7.5	10	DH1-35010FB-C54C
FR2	7.5	10	13.5	DH1-35013FB-C54C
	11	15	18	DH1-35018FB-C54C
	15	20	22	DH1-35022FB-C54C
FR3	18.5	25	27	DH1-35027FB-C54C
	22	30	34	DH1-35034FB-C54C
	30	40	41	DH1-35041FB-C54C
FR4	37	50	52	DH1-35052FN-C54C
	45	60	62	DH1-35062FN-C54C
	55	75	80	DH1-35080FN-C54C
FR5	75	100	100	DH1-35100FN-C54C
	90	125	125	DH1-35125FN-C54C
	110	150	144	DH1-35144FN-C54C
FR6	150	200	208	DH1-35208FN-C54C
	187	250	250	DH1-35250FN-C54C