

15. Technical data of Ex e motors

Technical data of Ex e vibration motors "increased safety"

The type indicates the size. The sizes cover various working moments according to the leaflet.

For sizes KXE(Z) and HXE(Z): ATEX certificate: DEKRA 12ATEX0197X, IECEx DEK 12.0063

4-polig - 400V, 50 Hz								
Type	Temp. class	RPM min ⁻¹	Output power kW	Nominal current	Power factor	Efficiency	Ia/In	t _E
KXE...-4	T3	1460	6,00	11,59	0,83	0,89	9,7	24
HXE...-4	T3	1460	6,00	11,59	0,88	0,85	9,0	25

6-polig - 400V, 50 Hz								
Type	Temp. class	RPM min ⁻¹	Output power kW	Nominal current	Power factor	Efficiency	Ia/In	t _E
KXE...-6	T3	978	5,00	11,00	0,77	0,86	8,4	21
HXE...-6	T3/T4	985	6,50	15,20	0,72	0,86	9,1	20/6

4-pole - 460V, 60 Hz								
Type	Temp. class	RPM min ⁻¹	Output power kW	Nominal current	Power factor	Efficiency	Ia/In	t _E
KXEZ...-4	T3	1780	7.60	13.36	0.87	0.88	9.9	12
HXEZ...-4	T3/T4	1790	7.00	11.67	0.88	0.86	9.5	40/13

6-pole - 460V, 60 Hz								
Type	Temp. class	RPM min ⁻¹	Output power kW	Nominal current	Power factor	Efficiency	Ia/In	t _E
KXEZ...-6	T3/T4	1186	5.00	10.30	0.86	0.86	9.0	33/8
HXEZ...-6	T3/T4	1176	7.60	14.40	0.76	0.88	9.6	33/13

Catalogue designation

Example : HXEZ 2000-6

HX	size
E	increased safety
Z	60 Hz
2000	working momen
6	number of poles

Protection class: IP 66

Temperature class: F tropicalized insulation

16. Technical data of DP motors

Technical data of DP vibration motors "Flameproof enclosures" and Explosion Proof

The type indicates the size. The sizes cover various working moments according to the leaflet.

ATEX Certificate: DEKRA 12ATEX 0198X, IECEx DEK 12.0064

CSA File n°: LR55503

FM Certificate: 0M5A8.AE

2 polig-2870 Upm, 400V, 50 Hz

Type:	Temp. class	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A	cos φ	η%	Ia/In	Ma/Mn
ADP ... - 2V	T4	0.30	0.95	0.83	55	9.4	4.2
BDP ... - 2V	T4	0.30	0.95	0.83	55	9.4	4.2

4 polig-1460 Upm, 400V, 50 Hz

Type:	Temp. class	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A	cos φ	η%	Ia/In	Ma/Mn
ADP ... - 4V	T4	0.42	1.30	0.69	71	6.2	3.5
BDP ... - 4V	T4	0.42	1.30	0.69	71	6.2	3.5
CDP ... - 4V	T4	0.96	2.30	0.79	80	7.6	2.8
DDP ... - 4V	T4	1.70	3.60	0.84	86	7.8	3.1
EDP ... - 4V	T4	2.20	4.40	0.84	84	7.2	2.9
FDP ... - 4V	T4	3.30	6.50	0.82	91	8.5	2.8
GDP ... - 4V	T4	3.60	7.30	0.83	86	8.3	3.0

6 polig-980 Upm, 400V, 50 Hz

Type:	Temp. class	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A	cos φ	η%	Ia/In	Ma/Mn
ADP ... - 6V	T4	0.46	1.36	0.78	63	2.5	2.0
BDP ... - 6V	T4	0.46	1.43	0.78	63	2.5	2.0
CDP ... - 6V	T4	0.55	1.85	0.61	74	6.2	3.1
DDP ... - 6V	T4	1.70	4,00	0.78	84	5.4	1.6
EDP... - 6V	T4	2.20	5.00	0.74	85	8.4	2.7
FDP ... - 6V	T4	3.00	6.80	0.75	88	9.7	3.4
GDP ... - 6V	T4	3.70	8.70	0.76	85	9.8	3.6

8 polig-740 Upm, 400V, 50 Hz

Type:	Temp. class °C	Output power kW	Nominal current A	Power factor cos φ	Efficiency η%	Ia/In	Ma/Mn
BDP ... – 8V	T4	0.40	1.60	0.64	59	8.3	2.3
CDP ... – 8V	T4	1.00	3,10	0.71	69	3.6	1.5
DDP .. – 8V	T4	1.50	4,10	0.78	71	4.1	2.1
EDP ... – 8V	T4	2.50	6.70	0.68	78	5.5	2.7
FDP ... – 8V	T4	3.00	6.70	0.81	85	8.4	2.8
GDP .. – 8V	T4	3.70	9,40	0.72	83	7.2	2.9

2-pole, 3450 rpm, 460V, 60 Hz

Type:	Temp. class °C	Output power kW	Nominal current A /460V	Power factor cos φ	Efficiency η%	Ia/In	Ma/Mn
ADP ...-2	T4	0.30	0.82	0.83	55	10.3	4.4
BDP ...-2	T4	0.30	0.82	0.83	55	10.3	4.4

4-pole, 1750 rpm, 460V, 60 Hz

Type:	Temp. class °C	Output power kW	Nominal current A /460V	Power factor cos φ	Efficiency η%	Ia/In	Ma/Mn
ADP ...-4	T4	0.42	1.07	0.69	71	6.8	3.5
BDP ...-4	T4	0.42	1.07	0.69	71	6.8	3.5
CDP ...-4	T4	0.96	1.91	0.79	80	8.3	2.8
DDP ...-4	T4	1.70	2.95	0.84	86	8.5	3.1
EDP ...-4	T4	2.20	3.85	0.84	84	7.9	2.8
FDP ...-4	T4	3.32	5.60	0.82	86	9.1	2.8
GDP ...-4	T4	3.60	6.40	0.83	86	9.1	3.0

6-pole, 1175 rpm, 460V, 60 Hz

Type:	Temp. class °C	Output power kW	Nominal current A /460V	Power factor cos φ	Efficiency η%	Ia/In	Ma/Mn
ADP ...-6	T4	0.46	1.18	0.78	63	2.7	2.0
BDP ...-6	T4	0.46	1.18	0.78	63	2.7	2.0
CDP ...-6	T4	0.55	1.53	0.61	74	6.8	3.1
DDP ...-6	T4	1.70	3.30	0.78	84	5.9	1.6
EDP ...-6	T4	2.20	4.40	0.74	85	9.2	2.7
FDP ...-6	T4	3,00	5.60	0.75	88	10.6	3.5
GDP ...-6	T4	3.70	7.20	0.76	85	10.7	3.6

8-pole, 855 rpm, 460V, 60 Hz

Type:	Temp. class	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A /460V	cos φ	η%	Ia/In	Ma/Mn
BDP ...-8	T4	0.40	1.32	0.64	59	9.1	2.3
CDP ...-8	T4	1.00	2.55	0.71	69	3.9	1.5
DDP ...-8	T4	1.50	3.40	0.78	71	4.5	2.1
EDP ...-8	T4	2.50	5.90	0.68	78	6.0	2.7
FDP ...-8	T4	3.00	5.50	0.81	85	9.2	2.8
GDP ...-8	T4	3.70	7.80	0.72	83	7.9	2.9

Catalogue designation

Example : BDP 201-6V

B size
 DP Ex d (Explosion proof)
 V 50 Hz
 201 working moment
 6 number of poles

Protection class: IP 66
 Temperature class: F tropicalized insulation