

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		
	^o 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		
	^o 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		
	^o 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	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A	cos φ	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	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A /460V	cos φ	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	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A /460V	cos φ	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	Output power	Nominal current	Power factor	Efficiency		
	⁰ C	kW	A /460V	cos φ	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		
	^o 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