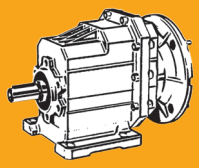
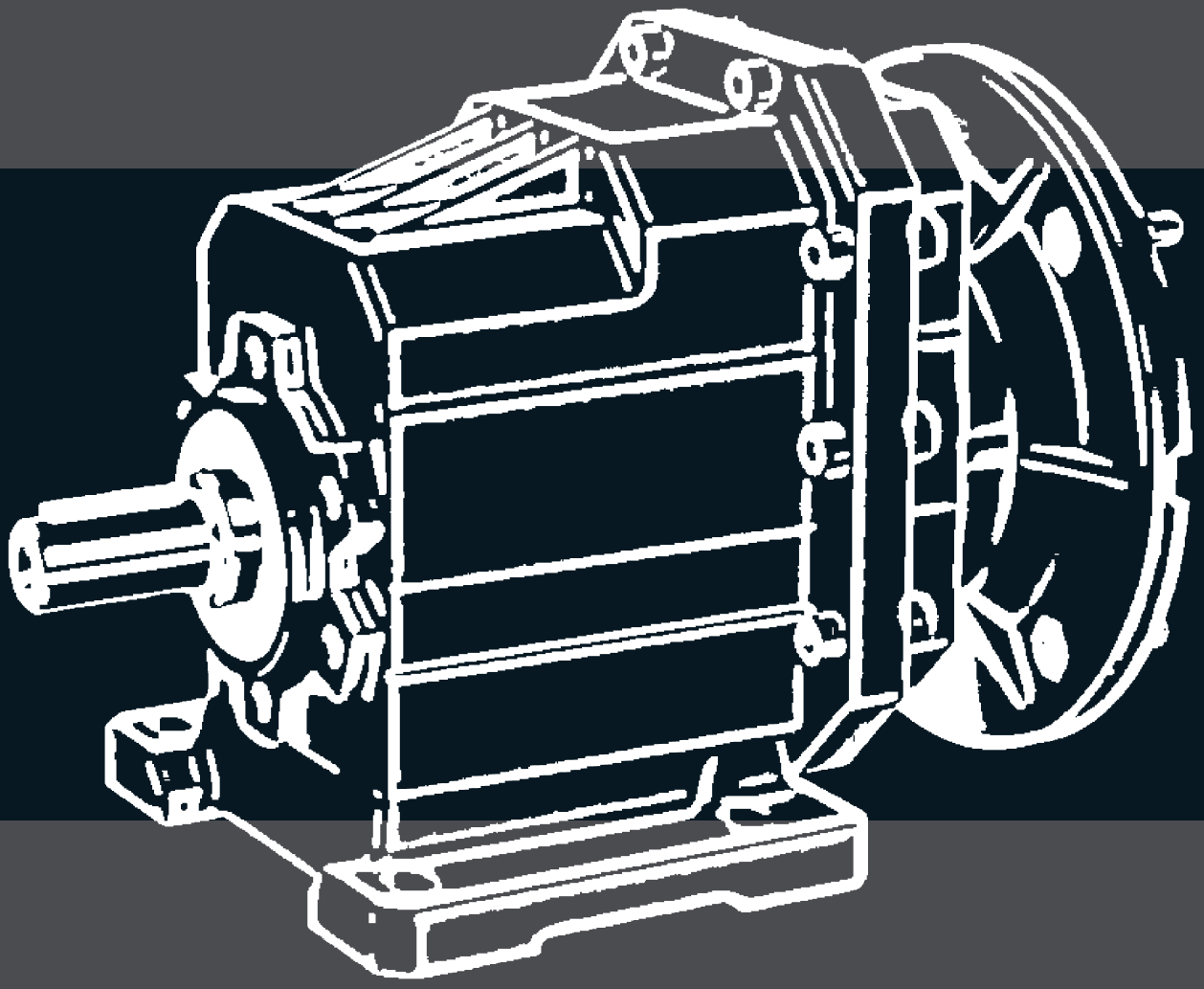
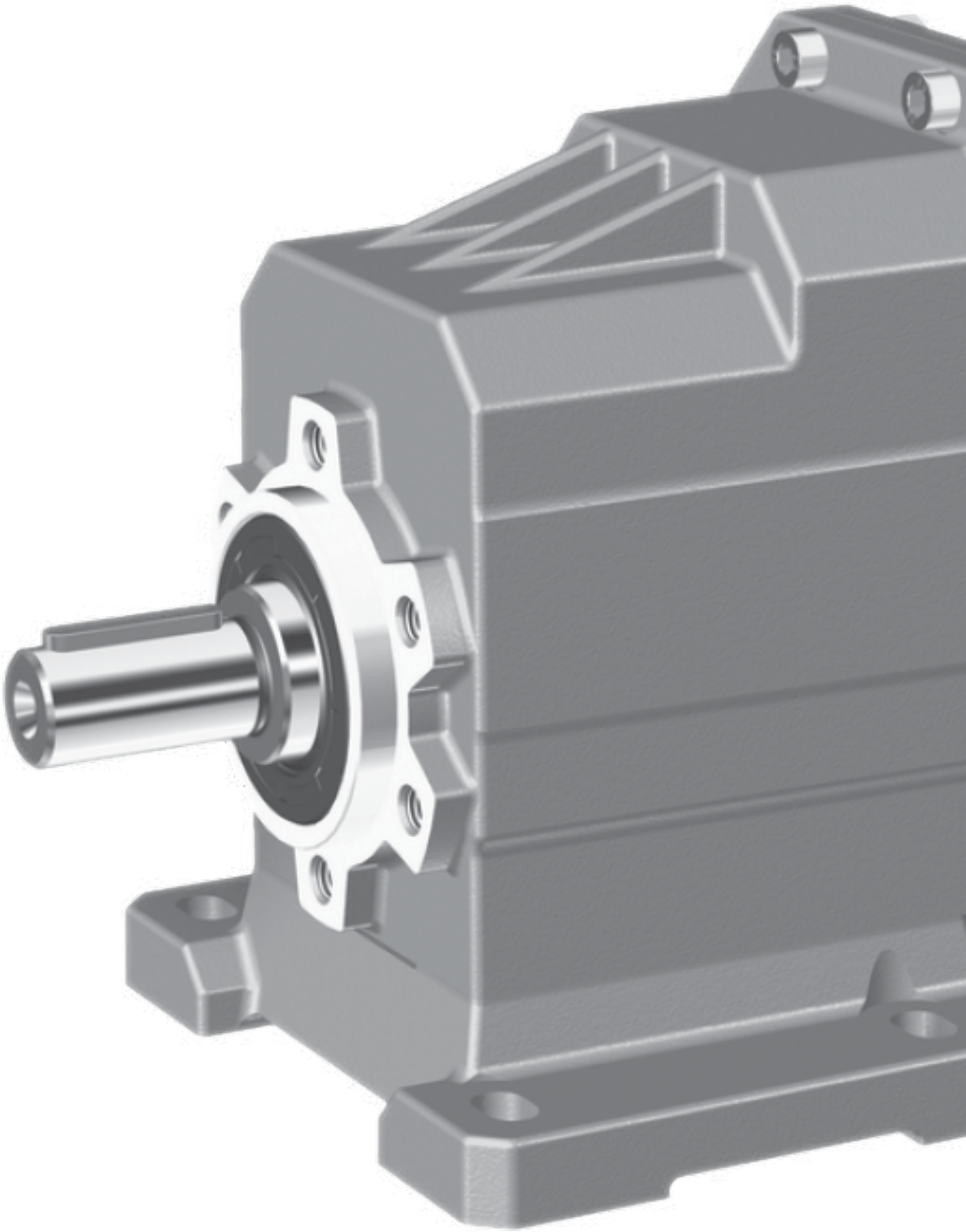
BONVARIO

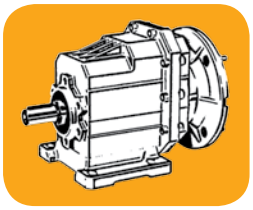


BON SERIES
HELICAL GEAR BOXES



THE HEART OF EVERY POWERFUL MACHINE



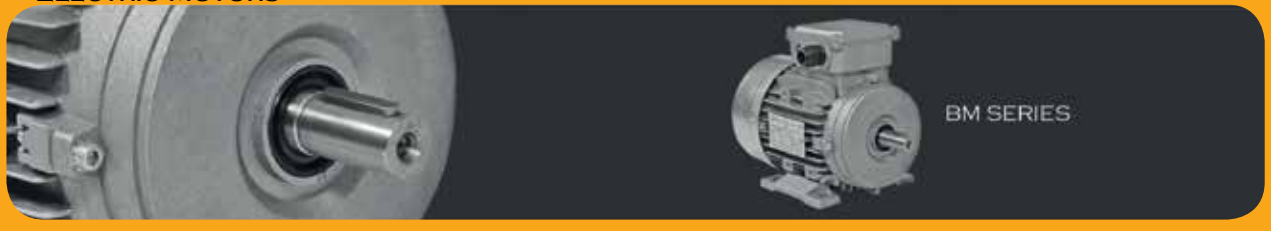


INDEX

ALUMINIUM CASING GEARBOXES

HELICAL GEARBOXES

ELECTRIC MOTORS



TECHNICAL FEATURES

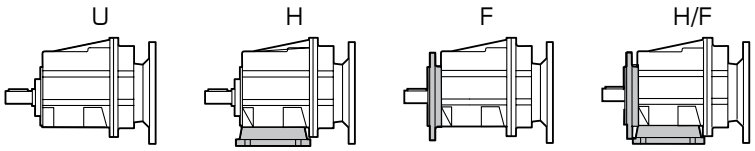
The high degree of modularity is a design feature of BON helical gearboxes range. It is possible to set up the version required using flanges or feet.

BON series helical gear boxes are manufactured in 4 sizes i.e. 20, 25, 30 and 35. Power 0.12 kw - 4 kw & ratio 4-60.

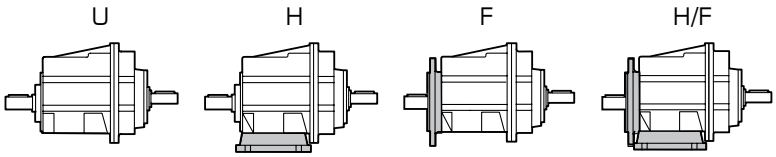
The main features of BON range are:

- Die-cast aluminium housings and flanges
- Multiple mounting options
- Ground-hardened helical gears;
- Permanent synthetic oil long-life lubrication.
- Low noise
- High efficiency

CLASSIFICATION



Type	Size	Stages	Version	Ratio	IEC	Version	Mounting Position
BON	20 25 30 35	2	U... H... F... H.../F...	See tables	56 — 112	B5 B14	B3-B5 B8 B6 B7



Type	Size	Stages	Version	Ratio	IEC	Version	Mounting Position
BON-IS	20 25 30 35	2	U... H... F... H.../F...	See tables	56 — 112	B5 B14	B3-B5 B8 B6 B7

GENERAL INFORMATION

POWER P

$P_1 * \eta = P2$

P_1 = Input power

P_2 = Output power

η = Transmission efficiency

ROTATION SPEED n

n1 = Input speed

n2 = Output speed

An output speed ≤ 1400 rpm is suggested so as to optimize the working condition and extend the service life.

Input speed higher are allowed by following the table below:

n. RPM	POWER
1400	Kw
2000	Kw * 1,35
2800	Kw * 1,8

TRANSMISSION RATIO i

$$i = \frac{n_1}{n_2}$$

TORQUE M

$$M_2 = \frac{9550.P1.}{n_2} \left[Nm\right]$$

$$M_2 \geq M_2 \cdot fs \left[Nm\right]$$

M_2 = Output torque

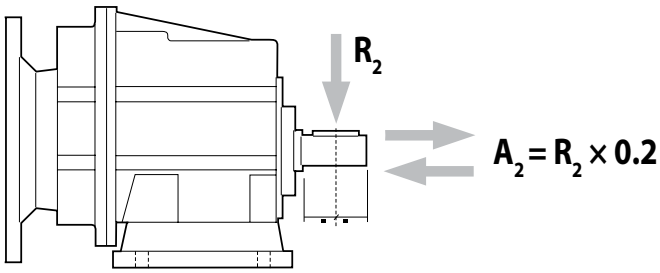
M_{2n} = Rated output torque

P_1 = Input power

η = Transmission efficiency

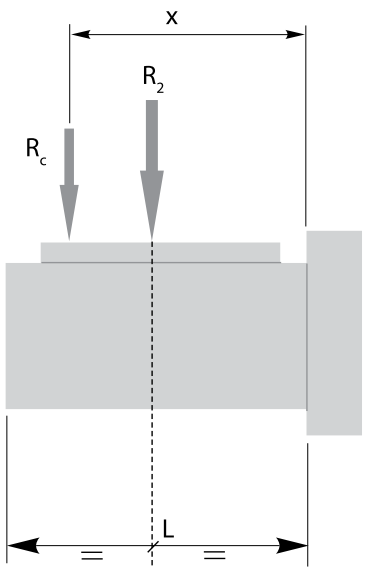
fs = Service factor

RADIAL LOADS



n_2 [min^{-1}]	BON 20	BON 25	BON 30	BON 35
700	764	1529	1987	2379
600	805	1609	2092	2504
500	855	1710	223	2661
400	921	1842	2395	2866
250	1077	2154	2801	3353
180	1323	2554	3321	3897
150	1406	2714	3529	4244
120	1631	3467	3801	4572
100	1842	3684	4507	5234
80	1984	3969	5042	5991
60	2184	4368	5549	6594
40	2500	5000	6500	8000
10	2500	5000	6500	8000

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



	BON 20	BON 25	BON 30	BON 35
a	104	117	132	150
b	84	92	102	115
R_{2MAX}	2500	5000	6500	8000

$$R_C = \frac{R2 \cdot a}{(b+x)} \leq R_{2MAX}$$

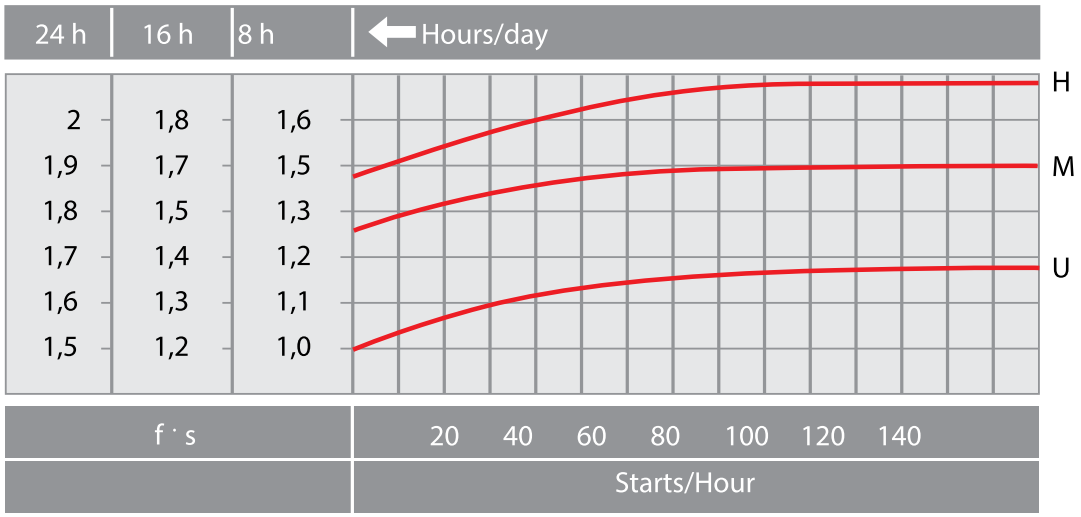
$$R \leq R_C$$

a, b = Values given in the table
R_2 = Permitted output radial load
A_2 = Permitted output axial load

SERVICE FACTOR Fs

The service factor mainly depends on three parameters:
- type to load: U - M - H
- run time: h/day
- start-up frequency: na/h

U = uniform
M = moderate
H = heavy
na/h = starts/hour



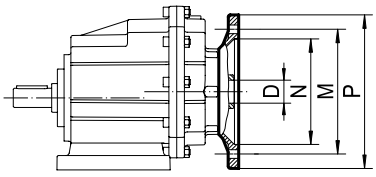
LOAD TYPE - APPLICATION EXAMPLE

U Conveyor belts for light weights - centrifugal pumps - lifts - bottling machines

M Conveyor belts for heavy weights - packing machines - wood working machines - gear pumps

H Mixers - bucket elevators - tooling machines - machinery for bricks - vibrators

IEC MOTOR ADAPTORS



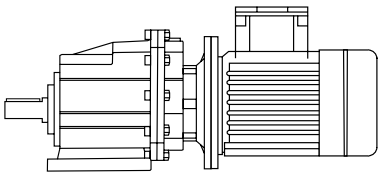
IEC	63B5	71B5	71B14	80B5	80B14	90B5	90B14	100B5	100B14	112B5	112B14
D_{E8}	11	14		19		24		28		28	
P	140	160	105	200	140	200	140	250	160	250	160
M	115	130	85	165	115	165	115	215	130	215	130
N	95	110	70	130	95	130	95	180	110	180	110

LUBRICATION

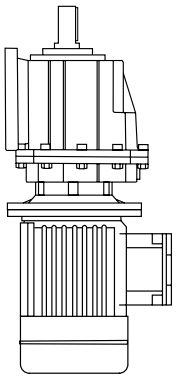
	°C -50 0 +50 +100	ISO	SHELL	MOBIL	BP	Lubrication type
BON	-10 +40	VG 220	Shell Omala 220	Mobilgear 630	BP Energol GR-XP 220	Mineral Oil
	-20 +25	VG 150 VG 100	Shell Omala 100	Mobilgear 627	BP Energol GR-XP 100	
	-30 +10	VG 68-46 VG 32	Shell Tellus T 32	Mobil D.T.E. 13M		
	-40 -20	VG 22 VG 15	Shell Tellus T 15	Mobil D.T.E. 11M	BP Energol HLP-HM 15	
	-40 +40	VG 150	Shell Omala HD 150	Mobil SHC 629		Syntetic oil
	-40	VG 220	Shell Omala HD 150	Mobil SHC 630		
	-25 +50	VG 320	Shell Tivela S 320			

MOUNTING POSITION

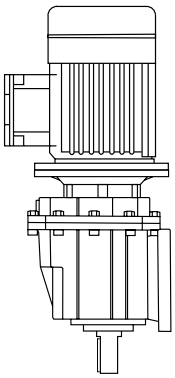
B3



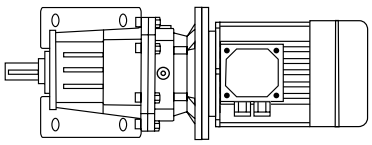
V6



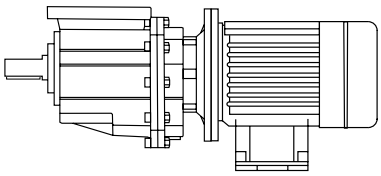
V5



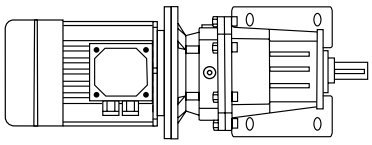
B6



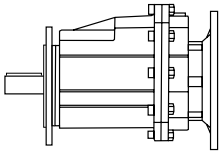
B8



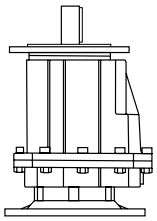
B7



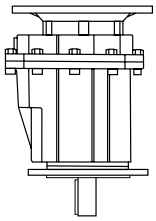
B5



V3



V1

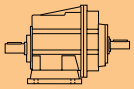


Size	Fill quantity in litres	
IEC	STANDARD	V6/V3
BON 20	0,4	0,6
BON 25	0,5	0,7
BON 30	0,8	1,1
BON 35	1,2	1,6

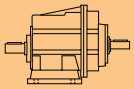
The BON gearboxes are supplied with Shell Tivela S 320 oil for STANDARD position, when mounted in V6/V3 it is necessary to add the correct quantity of oil.

TECHNICAL DATA

n_1 1400 min^{-1}



n_2 (min^{-1})	Mn_2 (Nm)	Pn_1 (kW)	i
BON-IS 20			
26.3	120	0.34	53.33
30.5	120	0.40	45.89
34.9	120	0.46	40.10
39.5	120	0.52	35.47
49.1	120	0.64	28.50
59.4	120	0.78	23.56
70.6	120	0.92	19.83
78.4	90	0.77	17.86
95.8	120	1.25	14.62
101	90	1.00	13.80
118	120	1.54	11.90
143	120	1.87	9.81
153	80	1.33	9.17
181	80	1.58	7.72
246	70	1.88	5.69
302	70	2.31	4.63
366	70	2.80	3.82
BON-IS 25			
25.9	200	0.57	54.00
30.1	200	0.66	46.46
34.5	200	0.75	40.60
39.0	200	0.85	35.91
48.5	200	1.06	28.88
58.7	200	1.28	23.85
69.7	200	1.52	20.08
81.9	140	1.25	17.10
94.5	200	2.06	14.81
106	140	1.62	13.21
116	200	2.53	12.05
141	200	3.08	9.93
159	120	2.09	8.78
189	120	2.48	7.39
257	100	2.80	5.45
316	100	3.45	4.43
383	80	3.34	3.66

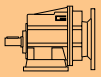


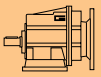
n_2 (min^{-1})	Mn_2 (Nm)	Pn_1 (kW)	i
BON-IS 30			
24.1	300	0.79	58.09
28.0	300	0.92	50.02
32.0	300	1.05	43.75
36.1	300	1.18	38.73
40.4	300	1.32	34.62
49.5	300	1.62	28.30
64.3	280	1.96	21.78
81	280	2.47	17.33
93	260	2.64	15.06
113	260	3.21	12.37
136	240	3.57	10.28
177	180	3.47	7.93
222	180	4.36	6.31
255	150	4.18	5.48
311	150	5.09	4.50
374	150	6.12	3.74
BON-IS 35			
24.1	500	1.31	58.09
28.0	500	1.53	50.02
32.0	500	1.75	43.75
36.1	500	1.97	38.73
40.4	500	2.21	34.62
49.5	500	2.70	28.30
64.3	480	3.37	21.78
81	480	4.23	17.33
93	460	4.66	15.06
113	460	5.68	12.37
136	440	6.54	10.28
177	260	5.01	7.93
222	260	6.29	6.31
255	230	6.41	5.48
311	230	7.80	4.50
374	200	8.17	3.74

Note:
Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
0.12						
4 Pole (1400 rpm)	26	42	53.33	2.9	BON 20	B5/B14
	31	36	45.89	3.3		B5/B14
	35	32	40.1	3.8		B5/B14
	39	28	35.47	4.3		B5/B14
	49	22	28.5	5.4		B5/B14
	59	18.5	23.56	6.5		B5/B14
	71	15.6	19.83	7.7		B5/B14
	78	14	17.86	6.4		B5/B14
	96	11.5	14.62	10.4		B5/B14
	101	10.8	13.8	8.3		B5/B14
	118	9.4	11.9	12.8		B5/B14
	143	7.7	9.81	15.6		B5/B14
	153	7.2	9.17	11.1		B5/B14
	181	6.1	7.72	13.2		B5/B14
	246	4.5	5.69	15.7		B5/B14
	302	3.6	4.63	19.2		B5/B14
	366	3	3.82	23.3		B5/B14
6 Pole (960 rpm)	16.9	65	53.33	1.8	BON 20	B5/B14
	19.6	56	45.89	2.1		B5/B14
	22	49	40.10	2.4		B5/B14
	25	43	35.47	2.8		B5/B14
	32	35	28.5	3.4		B5/B14
	38	29	23.56	4.2		B5/B14
	45	24	19.83	5		B5/B14
	50	22	17.86	4.1		B5/B14
	62	17.9	14.62	6.7		B5/B14
	65	16.9	13.80	5.3		B5/B14
	76	14.5	11.90	8.2		B5/B14
	92	12	9.81	10		B5/B14
	98	11.2	9.17	7.1		B5/B14
	117	9.4	7.72	8.5		B5/B14
	158	7	5.69	10.1		B5/B14
	194	5.7	4.63	12.4		B5/B14
	236	4.7	3.82	15		B5/B14
0.18						
4 Pole (1400 rpm)	26	63	53.33	1.9	BON 20	B5/B14
	31	54	45.89	2.2		B5/B14
	35	47	40.1	2.5		B5/B14
	39	42	35.47	2.9		B5/B14
	49	34	28.5	3.6		B5/B14
	59	28	23.56	4.3		B5/B14
	71	23	19.83	5.1		B5/B14
	78	21	17.86	4.3		B5/B14
	96	17.2	14.62	7		B5/B14
	101	16.3	13.8	5.5		B5/B14
	118	14	11.9	8.6		B5/B14
	143	11.6	9.81	10.4		B5/B14

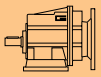
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
	153	10.8	9.17	7.4		B5/B14
	181	9.1	7.72	8.8		B5/B14
	246	6.7	5.69	10.4		B5/B14
	302	5.5	4.63	12.8		B5/B14
	366	4.5	3.82	15.5		B5/B14
6 Pole (960 rpm)	16.9	98	53.33	1.2	BON 20	B5/B14
	19.6	84	45.89	1.4		B5/B14
	22	74	40.1	1.6		B5/B14
	25	65	35.47	1.8		B5/B14
	32	52	28.5	2.3		B5/B14
	38	43	23.56	2.8		B5/B14
	45	36	19.83	3.3		B5/B14
	50	33	17.86	2.7		B5/B14
	16.7	99	54.00	2	BON 25	B5/B14
	19.4	85	46.46	2.3		B5/B14
	22	74	40.60	2.7		B5/B14
	25	66	35.91	3		B5/B14
	31	53	28.88	3.8		B5/B14
0.25						
4 Pole (1400 rpm)	26	87	53.33	1.4	BON 20	B5/B14
	31	75	45.89	1.6		B5/B14
	35	66	40.1	1.8		B5/B14
	39	58	35.47	2.1		B5/B14
	49	47	28.5	2.6		B5/B14
	59	39	23.56	3.1		B5/B14
	71	32	19.83	3.7		B5/B14
	78	29	17.86	3.1		B5/B14
	96	24	14.62	5		B5/B14
	101	23	13.8	4		B5/B14
	118	19.5	11.9	6.2		B5/B14
	143	16.1	9.81	7.5		B5/B14
	153	15	9.17	5.3		B5/B14
	181	12.6	7.72	6.3		B5/B14
	246	9.3	5.69	7.5		B5/B14
	302	7.6	4.63	9.2		B5/B14
	366	6.3	3.82	11.2		B5/B14
	26	88	54	2.3	BON 25	B5/B14
	30	76	46.46	2.6		B5/B14
	34	66	40.6	3		B5/B14
	39	59	35.91	3.4		B5/B14

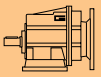
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
6 Pole (960 rpm)	16.9	136	53.33	0.88	BON 20	B5/B14
	19.6	117	45.89	1		B5/B14
	22	102	40.1	1.2		B5/B14
	25	90	35.47	1.3		B5/B14
	32	73	28.5	1.7		B5/B14
	38	60	23.56	2		B5/B14
	45	51	19.83	2.4		B5/B14
	50	45	17.86	2		B5/B14
	62	37	14.62	3.2		B5/B14
	65	35	13.8	2.6		B5/B14
	76	30	11.9	4		B5/B14
	92	25	9.81	4.8		B5/B14
	98	23	9.17	3.4		B5/B14
	117	19.7	7.72	4.1		B5/B14
	158	14.5	5.69	4.8		B5/B14
	194	11.8	4.63	5.9		B5/B14
	236	9.7	3.82	7.2		B5/B14
	16.7	138	54.00	1.5	BON 25	B5/B14
	19.4	118	46.46	1.7		B5/B14
	22	103	40.60	1.9		B5/B14
	25	91	35.91	2.2		B5/B14
	31	74	28.88	2.7		B5/B14
0.37						
4 Pole (1400 rpm)	26	129	53.33	0.93	BON 20	B5/B14
	31	111	45.89	1.1		B5/B14
	35	97	40.1	1.2		B5/B14
	39	86	35.47	1.4		B5/B14
	49	69	28.5	1.7		B5/B14
	59	57	23.56	2.1		B5/B14
	71	48	19.83	2.5		B5/B14
	78	43	17.86	2.1		B5/B14
	96	35	14.62	3.4		B5/B14
	101	33	13.8	2.7		B5/B14
	118	29	11.9	4.2		B5/B14
	143	24	9.81	5		B5/B14
	153	22	9.17	3.6		B5/B14
	181	18.7	7.72	4.3		B5/B14
	246	13.8	5.69	5.1		B5/B14
	302	11.2	4.63	6.2		B5/B14
	366	9.3	3.82	7.6		B5/B14
	26	131	54	1.5	BON 25	B5/B14
	30	113	46.46	1.8		B5/B14
	34	98	40.6	2		B5/B14
	39	87	35.91	2.3		B5/B14
	48	70	28.88	2.9		B5/B14
	59	58	23.85	3.5		B5/B14
	70	49	20.08	4.1		B5/B14
	82	41	17.1	3.4		B5/B14
	95	36	14.81	5.6		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
	24	141	58.09	2.1	BON 30	B5/B14
	28	121	50.02	2.5		B5/B14
	32	106	43.75	2.8		B5/B14
	36	94	38.73	3.2		B5/B14
	40	84	34.62	3.6		B5/B14
6 Pole (960 rpm)	25	134	35.47	0.91	BON 20	B5/B14
	32	107	28.5	1.1		B5/B14
	38	89	23.56	1.4		B5/B14
	45	75	19.83	1.6		B5/B14
	50	67	17.86	1.3		B5/B14
	62	55	14.62	2.2		B5/B14
	65	52	13.8	1.7		B5/B14
	76	45	11.9	2.7		B5/B14
	92	37	9.81	3.2		B5/B14
	98	35	9.17	2.3		B5/B14
	117	29	7.72	2.7		B5/B14
	16.7	204	54	1	BON 25	B5/B14
	19.4	175	46.46	1.1		B5/B14
	22	153	40.6	1.3		B5/B14
	25	135	35.91	1.5		B5/B14
	31	109	28.88	1.8		B5/B14
	38	90	23.85	2.2		B5/B14
	45	76	20.08	2.6		B5/B14
	53	64	17.1	2.2		B5/B14
	68	50	13.21	2.8		B5/B14
	15.5	219	58.09	1.4	BON 30	B5/B14
	18.0	189	50.02	1.6		B5/B14
	21	165	43.75	1.8		B5/B14
	23	146	38.73	2.1		B5/B14
	26	130	34.62	2.3		B5/B14
	32	107	28.3	2.8		B5/B14
	41	82	21.78	3.4		B5/B14
0.55						
2 Pole (2800 rpm)	53	96	53.33	1.2	BON 20	B5/B14
	61	83	45.89	1.5		B5/B14
	70	72	40.1	1.7		B5/B14
	79	64	35.47	1.9		B5/B14
	98	51	28.5	2.3		B5/B14
	119	42	23.56	2.8		B5/B14
	141	36	19.83	3.4		B5/B14
	157	32	17.86	2.8		B5/B14
	203	25	13.8	3.6		B5/B14
	52	97	54.0	2.1	BON 25	B5/B14
	60	84	46.46	2.4		B5/B14
	69	73	40.60	2.7		B5/B14
	78	65	35.91	3.1		B5/B14
	97	52	28.88	3.8		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
4 Pole (1400 rpm)	39	128	35.47	0.94	BON 20	B5/B14
	49	103	28.50	1.2		B5/B14
	59	85	23.56	1.4		B5/B14
	71	71	19.83	1.7		B5/B14
	78	64	17.86	1.4		B5/B14
	96	53	14.62	2.3		B5/B14
	101	50	13.80	1.8		B5/B14
	118	43	11.90	2.8		B5/B14
	143	35	9.81	3.4		B5/B14
	153	33	9.17	2.4		B5/B14
	181	28	7.72	2.9		B5/B14
	246	20	5.69	3.4		B5/B14
	302	16.7	4.63	4.2		B5/B14
	366	13.8	3.82	5.1		B5/B14
	26	194	54	1	BON 25	B5/B14
	30	167	46.46	1.2		B5/B14
	34	146	40.6	1.4		B5/B14
	39	129	35.91	1.5		B5/B14
	48	104	28.88	1.9		B5/B14
	59	86	23.85	2.3		B5/B14
	70	72	20.08	2.8		B5/B14
	82	62	17.1	2.3		B5/B14
	95	53	14.81	3.7		B5/B14
	106	48	13.21	2.9		
	24	209	58.09	1.4	BON 30	B5/B14
	28	180	50.02	1.7		B5/B14
	32	158	43.75	1.9		B5/B14
	36	139	38.73	2.2		B5/B14
	40	125	34.62	2.4		B5/B14
	49	102	28.3	2.9		B5/B14
	64	78	21.78	3.6		B5/B14
	81	62	17.33	4.5		B5/B14
	24	209	58.09	2.4	BON 35	B5/B14
	28	180	50.02	2.8		B5/B14
	32	158	43.75	3.2		B5/B14
	36	139	38.73	3.6		B5/B14
	40	125	34.62	4.0		B5/B14
6 Pole (960 rpm)	38	132	23.56	0.91	BON 20	B5/B14
	45	111	19.83	1.1		B5/B14
	62	82	14.62	1.5		B5/B14
	65	77	13.8	1.2		B5/B14
	76	67	11.9	1.8		B5/B14
	92	55	9.81	2.2		B5/B14
	98	51	9.17	1.6		B5/B14
	117	43	7.72	1.8		B5/B14
	158	32	5.69	2.2		B5/B14
	194	26	4.63	2.7		B5/B14
	236	21	3.82	3.3		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
	22	227	40.6	0.88	BON 25	B5/B14
	25	201	35.91	1		B5/B14
	31	162	28.88	1.2		B5/B14
	38	134	23.85	1.5		B5/B14
	45	113	20.08	1.8		B5/B14
	53	96	17.1	1.5		B5/B14
	61	83	14.81	2.4		B5/B14
	68	74	13.21	1.9		B5/B14
	103	49	8.78	2.4		B5/B14
	15.5	325	58.09	0.92	BON 30	B5/B14
	18.0	280	50.02	1.1		B5/B14
	21	245	43.75	1.2		B5/B14
	23	217	38.73	1.4		B5/B14
	26	194	34.62	1.5		B5/B14
	32	159	28.3	1.9		B5/B14
	41	122	21.78	2.3		B5/B14
	52	97	17.33	2.9		B5/B14
	60	84	15.06	3.1		B5/B14
	73	69	12.3	3.8		B5/B14
	15.5	325	58.09	1.5	BON 35	B5/B14
	18.0	280	50.02	1.8		B5/B14
	21	245	43.75	2		B5/B14
	23	217	38.73	2.3		B5/B14
	26	194	34.62	2.6		B5/B14
	32	159	28.3	3.2		B5/B14
	41	122	21.78	3.9		B5/B14
0.75						
2 Pole (2800 rpm)	61	113	45.89	1.1	BON 20	B5/B14
	70	98	40.1	1.2		B5/B14
	79	87	35.47	1.4		B5/B14
	98	70	28.5	1.7		B5/B14
	119	58	23.56	2.1		B5/B14
	141	49	19.83	2.5		B5/B14
	157	44	17.86	2.1		B5/B14
	192	36	14.62	3.3		B5/B14
	203	34	13.8	2.7		B5/B14
	52	133	54.00	1.5	BON 25	B5/B14
	60	114	46.46	1.8		B5/B14
	69	100	40.6	2		B5/B14
	78	88	35.91	2.3		B5/B14
	97	71	28.88	2.8		B5/B14
	117	59	23.85	3.4		B5/B14
	139	49	20.08	4.1		B5/B14
	164	42	17.1	3.3		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
2 Pole (2800 rpm)	48	143	58.09	2.1	BON 30	B5/B14
	56	123	50.02	2.4		B5/B14
	64	107	43.75	2.8		B5/B14
	72	95	38.73	3.2		B5/B14
	81	85	34.62	3.5		B5/B14
4 Pole (1400 rpm)	59	116	23.56	1	BON 20	B5/B14
	71	97	19.83	1.2		B5/B14
	78	88	17.86	1		B5/B14
	96	72	14.62	1.7		B5/B14
	101	68	13.8	1.3		B5/B14
	118	58	11.9	2.1		B5/B14
	143	48	9.81	2.5		B5/B14
	153	45	9.17	1.8		B5/B14
	181	38	7.72	2.1		B5/B14
	246	28	5.69	2.5		B5/B14
	302	23	4.63	3.1		B5/B14
	366	18.8	3.82	3.7		B5/B14
	30	228	46.46	0.88	BON 25	B5/B14
	34	199	40.6	1		B5/B14
	39	176	35.91	1.1		B5/B14
	48	142	28.88	1.4		B5/B14
	59	117	23.85	1.7		B5/B14
	70	99	20.08	2		B5/B14
	82	84	17.1	1.7		B5/B14
	95	73	14.81	2.7		B5/B14
	106	65	13.21	2.2		B5/B14
	116	59	12.05	3.4		B5/B14
	141	49	9.93	4.1		B5/B14
	159	43	8.78	2.8		B5/B14
	189	36	7.39	3.3		B5/B14
	257	27	5.45	3.7		B5/B14
	24	285	58.09	1.1	BON 30	B5/B14
	28	246	50.02	1.2		B5/B14
	32	215	43.75	1.4		B5/B14
	36	190	38.73	1.6		B5/B14
	40	170	34.62	1.8		B5/B14
	49	139	28.3	2.2		B5/B14
	64	107	21.78	2.6		B5/B14
	81	85	17.33	3.3		B5/B14
	93	74	15.06	3.5		B5/B14
	24	285	58.09	1.8	BON 35	B5/B14
	28	246	50.02	2		B5/B14
	32	215	43.75	2.3		B5/B14
	36	190	38.73	2.6		B5/B14
	40	170	34.62	2.9		B5/B14
	49	139	28.3	3.6		B5/B14
	64	107	21.78	4.5		B5/B14

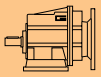
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
6 Pole (960 rpm)	62	112	14.62	1.1	BON 20	B5/B14
	76	91	11.90	1.3		B5/B14
	92	75	9.81	1.6		B5/B14
	98	70	9.71	1.1		B5/B14
	117	59	7.72	1.4		B5/B14
	158	43	5.69	1.6		B5/B14
	194	35	4.63	2.0		B5/B14
	236	29	3.82	2.4		B5/B14
	38	182	23.85	1.1	BON 25	B5/B14
	45	153	20.08	1.3		B5/B14
	61	113	14.81	1.8		B5/B14
	68	101	13.21	1.4		B5/B14
	75	92	12.05	2.2		B5/B14
	91	76	9.93	2.6		B5/B14
	103	67	8.78	1.8		B5/B14
	122	56	7.39	2.1		B5/B14
	165	42	5.45	2.4		B5/B14
	23	296	38.73	1	BON 30	B5/B14
	26	264	34.62	1.1		B5/B14
	32	216	28.3	1.4		B5/B14
	41	166	21.78	1.7		B5/B14
	52	132	17.33	2.1		B5/B14
	60	115	15.06	2.3		B5/B14
	73	95	12.37	2.8		B5/B14
	88	79	10.28	3.1		B5/B14
	113	61	7.93	3		B5/B14
	143	48	6.31	3.7		B5/B14
	164	42	5.48	3.6		B5/B14
	15.5	444	58.09	1.1	BON 35	B5/B14
	18.0	382	50.02	1.3		B5/B14
	21	334	43.75	1.5		B5/B14
	23	296	38.73	1.7		B5/B14
	26	264	34.62	1.9		B5/B14
	32	216	28.30	2.3		B5/B14
	41	166	21.78	2.9		B5/B14
	52	132	17.33	3.6		B5/B14

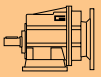
1.1

2 Pole (2800 rpm)	98	103	28.5	1.2	BON 20	B5/B14
	119	85	23.56	1.4		B5/B14
	141	71	19.83	1.7		B5/B14
	157	64	17.86	1.4		B5/B14
	192	53	14.62	2.3		B5/B14
	203	50	13.8	1.8		B5/B14
	235	43	11.9	2.8		B5/B14
	285	35	9.81	3.4		B5/B14
	305	33	9.17	2.4		B5/B14
	363	28	7.72	2.9		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
2 Pole (2800 rpm)	492	20	5.69	3.4		B5/B14
	605	16.7	4.63	4.2		B5/B14
	733	13.8	3.82	5.1		B5/B14
	52	194	54	1	BON 25	B5/B14
	60	167	46.46	1.2		B5/B14
	69	146	40.6	1.4		B5/B14
	78	129	35.91	1.5		B5/B14
	97	104	28.88	1.9		B5/B14
	117	86	23.85	2.3		B5/B14
	139	72	20.08	2.8		B5/B14
	164	62	17.1	2.3		B5/B14
	189	53	14.81	3.7		B5/B14
	212	48	13.21	2.9		B5/B14
	48	209	58.09	1.4	BON 30	B5/B14
	56	180	50.02	1.7		B5/B14
	64	158	43.75	1.9		B5/B14
	72	139	38.73	2.2		B5/B14
	81	125	34.62	2.4		B5/B14
	99	102	28.30	2.9		B5/B14
	129	78	21.78	3.6		B5/B14
	48	209	58.09	2.4	BON 35	B5/B14
	56	180	50.02	2.8		B5/B14
	64	158	43.75	3.2		B5/B14
	72	139	38.73	3.6		B5/B14
	81	125	34.62	4		B5/B14
4 Pole (1400 rpm)	96	105	14.62	1.1	BON 20	B5/B14
	118	86	11.9	1.4		B5/B14
	143	71	9.81	1.7		B5/B14
	153	66	9.17	1.2		B5/B14
	181	56	7.72	1.4		B5/B14
	246	41	5.69	1.7		B5/B14
	302	33	4.63	2.1		B5/B14
	366	28	3.82	2.5		B5/B14
	48	208	28.88	0.96	BON 25	B5/B14
	59	172	23.85	1.2		B5/B14
	70	145	20.08	1.4		B5/B14
	95	107	14.81	1.9		B5/B14
	106	95	13.21	1.5		B5/B14
	116	87	12.05	2.3		B5/B14
	141	72	9.93	2.8		B5/B14
	159	63	8.78	1.9		B5/B14
	189	53	7.39	2.3		B5/B14
	257	39	5.45	2.5		B5/B14
	316	32	4.43	3.1		B5/B14
	383	26	3.66	3		B5/B14

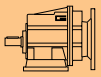
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
	32	315	43.75	0.95	BON 30	B5/B14
	36	279	38.73	1.1		B5/B14
	40	249	34.62	1.2		B5/B14
	49	204	28.3	1.5		B5/B14
	64	157	21.78	1.8		B5/B14
	81	125	17.33	2.2		B5/B14
	93	108	15.06	2.4		B5/B14
	113	89	12.37	2.9		B5/B14
	136	74	10.28	3.2		B5/B14
	177	57	7.93	3.2		B5/B14
	222	45	6.31	4		B5/B14
	255	39	5.48	3.8		B5/B14
	311	32	4.5	4.6		B5/B14
	374	27	3.74	5.6		B5/B14
	24	418	58.09	1.2	BON 35	B5/B14
	28	360	50.02	1.4		B5/B14
	32	315	43.75	1.6		B5/B14
	36	279	38.73	1.8		B5/B14
	40	249	34.62	2.0		B5/B14
	49	204	28.30	2.5		B5/B14
	64	157	21.78	3.1		B5/B14
	81	125	17.33	3.8		B5/B14
	93	108	15.06	4.2		B5/B14
6 Pole (960 rpm)	92	110	9.81	1.1	BON 20	B5/B14
	117	87	7.72	0.92		B5/B14
	158	64	5.69	1.1		B5/B14
	194	52	4.63	1.3		B5/B14
	236	43	3.82	1.6		B5/B14
	61	166	14.81	1.2	BON 25	B5/B14
	75	135	12.05	1.5		B5/B14
	91	111	9.93	1.8		B5/B14
	103	98	8.78	1.2		B5/B14
	122	83	7.39	1.4		B5/B14
	165	61	5.45	1.6		B5/B14
	203	50	4.43	2		B5/B14
	246	41	3.66	2		B5/B14
	32	317	28.3	0.95	BON 30	B5/B14
	41	244	21.78	1.1		B5/B14
	52	194	17.33	1.4		B5/B14
	60	169	15.06	1.5		B5/B14
	73	139	12.37	1.9		B5/B14
	88	115	10.28	2.1		B5/B14
	113	89	7.93	2		B5/B14
	143	71	6.31	2.5		B5/B14
	164	61	5.48	2.4		B5/B14
	200	50	4.5	3		B5/B14
	241	42	3.74	3.6		B5/B14

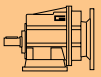
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
6 Pole (960 rpm)	21	490	43.75	1.0	BON 35	B5/B14
	23	434	38.73	1.2		B5/B14
	26	388	34.62	1.3		B5/B14
	32	317	28.30	1.6		B5/B14
	41	244	21.78	2.0		B5/B14
	52	194	17.33	2.5		B5/B14
	60	169	15.06	2.7		B5/B14
	73	139	12.37	3.3		B5/B14
	88	115	10.28	3.8		B5/B14
	113	89	7.93	2.9		B5/B14
	143	71	6.31	3.7		B5/B14
	164	61	5.48	3.7		B5/B14
1.5						
2 Pole (2800 rpm)	119	116	23.56	1	BON 20	B5/B14
	141	97	19.83	1.2		B5/B14
	192	72	14.62	1.7		B5/B14
	203	68	13.8	1.3		B5/B14
	235	58	11.9	2.1		B5/B14
	285	48	9.81	2.5		B5/B14
	305	45	9.17	1.8		B5/B14
	363	38	7.72	2.1		B5/B14
	492	28	5.69	2.5		B5/B14
	605	23	4.63	3.1		B5/B14
	733	18.8	3.82	3.7		B5/B14
	69	199	40.6	1	BON 25	B5/B14
	78	176	35.91	1.1		B5/B14
	97	142	28.88	1.4		B5/B14
	117	117	23.85	1.7		B5/B14
	139	99	20.08	2		B5/B14
	189	73	14.81	2.7		B5/B14
	212	65	13.21	2.2		B5/B14
	232	59	12.05	3.4		B5/B14
	282	49	9.93	4.1		B5/B14
	319	43	8.78	2.8		B5/B14
	379	36	7.39	3.3		B5/B14
	514	27	5.45	3.7		B5/B14
	48	285	58.09	1.1	BON 30	B5/B14
	56	246	50.02	1.2		B5/B14
	64	215	43.75	1.4		B5/B14
	72	190	38.73	1.6		B5/B14
	81	170	34.62	1.8		B5/B14
	99	139	28.3	2.2		B5/B14
	129	107	21.78	2.6		B5/B14
	162	85	17.33	3.3		B5/B14
	186	74	15.06	3.5		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
	48	285	58.09	1.8	BON 35	B5/B14
	56	246	50.02	2		B5/B14
	64	215	43.75	2.3		B5/B14
	72	190	38.73	2.6		B5/B14
	81	170	34.62	2.9		B5/B14
	99	139	28.3	3.6		B5/B14
4 Pole (1400 rpm)	118	117	11.9	1	BON 20	B5/B14
	143	96	9.81	1.2		B5/B14
	153	90	9.17	0.89		B5/B14
	181	76	7.72	1.1		B5/B14
	246	56	5.69	1.3		B5/B14
	302	45	4.63	1.5		B5/B14
	366	38	3.82	1.9		B5/B14
	95	145	14.81	1.4	BON 25	B5/B14
	116	118	12.05	1.7		B5/B14
	141	98	9.93	2.1		B5/B14
	159	86	8.78	1.4		B5/B14
	189	73	7.39	1.7		B5/B14
	257	54	5.45	1.9		B5/B14
	316	44	4.43	2.3		B5/B14
	383	36	3.66	2.2		B5/B14
	40	340	34.62	0.88	BON 30	B5/B14
	49	278	28.3	1.1		B5/B14
	64	214	21.78	1.3		B5/B14
	81	170	17.33	1.6		B5/B14
	93	148	15.06	1.8		B5/B14
	113	122	12.37	2.1		B5/B14
	136	101	10.28	2.4		B5/B14
	177	78	7.93	2.3		B5/B14
	222	62	6.31	2.9		B5/B14
	255	54	5.48	2.8		B5/B14
	311	44	4.5	3.4		B5/B14
	374	37	3.74	4.1		B5/B14
	24	571	58.09	0.88	BON 35	B5/B14
	28	491	50.02	1.0		B5/B14
	32	430	43.75	1.2		B5/B14
	36	380	38.73	1.3		B5/B14
	40	340	34.62	1.5		B5/B14
	49	278	28.30	1.8		B5/B14
	64	214	21.78	2.2		B5/B14
	81	170	17.33	2.8		B5/B14
	93	148	15.06	3.1		B5/B14
	113	122	12.37	3.8		B5/B14
	136	101	10.28	4.4		B5/B14
	177	78	7.93	3.3		B5/B14
	222	62	6.31	4.2		B5/B14
	255	54	5.48	4.3		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
6 Pole (960 rpm)	52	265	17.33	1.1	BON 30	B5/B14
	60	230	15.06	1.1		B5/B14
	73	189	12.37	1.4		B5/B14
	88	157	10.28	1.5		B5/B14
	113	121	7.93	1.5		B5/B14
	143	96	6.31	1.9		B5/B14
	164	84	5.48	1.8		B5/B14
	200	69	4.5	2.2		B5/B14
	241	57	3.74	2.6		B5/B14
	26	529	34.62	0.95	BON 35	B5/B14
	32	432	28.30	1.2		B5/B14
	41	333	21.78	1.4		B5/B14
	52	265	17.33	1.8		B5/B14
	60	230	15.06	2.0		B5/B14
	73	189	12.37	2.4		B5/B14
	88	157	10.28	2.8		B5/B14
	113	121	7.93	2.1		B5/B14
	143	96	6.31	2.7		B5/B14
	164	84	5.48	2.7		B5/B14
	200	69	4.50	3.3		B5/B14
	241	57	3.74	3.5		B5/B14
2.2						
2 Pole (2800 rpm)	97	208	28.88	0.96	BON 25	B5/B14
	117	172	23.85	1.2		B5/B14
	139	145	20.08	1.4		B5/B14
	189	107	14.81	1.9		B5/B14
	212	95	13.21	1.5		B5/B14
	232	87	12.05	2.3		B5/B14
	282	72	9.93	2.8		B5/B14
	319	63	8.78	1.9		B5/B14
	379	53	7.39	2.3		B5/B14
	514	39	5.45	2.5		B5/B14
	632	32	4.43	3.1		B5/B14
	765	26	3.66	3		B5/B14
	64	315	43.75	0.95	BON 30	B5/B14
	72	279	38.73	1.1		B5/B14
	81	249	34.62	1.2		B5/B14
	99	204	28.3	1.5		B5/B14
	129	157	21.78	1.8		B5/B14
	162	125	17.33	2.2		B5/B14
	186	108	15.06	2.4		B5/B14
	226	89	12.37	2.9		B5/B14
	272	74	10.28	3.2		B5/B14
	353	57	7.93	3.2		B5/B14
	444	45	6.31	4		B5/B14
	511	39	5.48	3.8		B5/B14

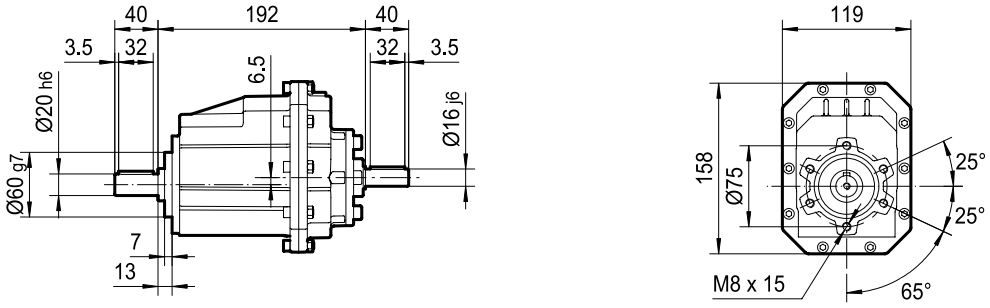
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
	72	279	38.73	1.8	BON 35	B5/B14
	81	249	34.62	2		B5/B14
	99	204	28.3	2.5		B5/B14
	129	157	21.78	3.1		B5/B14
	162	125	17.33	3.8		B5/B14
4 Pole (1400 rpm)	64	314	21.78	0.89	BON 30	B5/B14
	81	250	17.33	1.1		B5/B14
	93	217	15.06	1.2		B5/B14
	113	178	12.37	1.5		B5/B14
	136	148	10.28	1.6		B5/B14
	177	114	7.93	1.6		B5/B14
	222	91	6.31	2		B5/B14
	255	79	5.48	1.9		B5/B14
	311	65	4.5	2.3		B5/B14
	374	54	3.74	2.8		B5/B14
	40	499	34.62	1.0	BON 35	B5/B14
	49	408	28.3	1.2		B5/B14
	64	314	21.78	1.5		B5/B14
	81	250	17.33	1.9		B5/B14
	93	217	15.06	2.1		B5/B14
	113	178	12.37	2.6		B5/B14
	136	148	10.28	3		B5/B14
	177	114	7.93	2.3		B5/B14
	222	91	6.31	2.9		B5/B14
	255	79	5.48	2.9		B5/B14
	311	65	4.5	3.5		B5/B14
	374	54	3.74	3.7		B5/B14
6 Pole (960 rpm)	73	277	12.37	0.94	BON 30	B5/B14
	88	230	10.28	1		B5/B14
	113	178	7.93	1		B5/B14
	143	141	6.31	1.3		B5/B14
	164	123	5.48	1.2		B5/B14
	200	101	4.5	1.5		B5/B14
	241	84	3.74	1.8		B5/B14
	41	488	21.78	1	BON 35	B5/B14
	52	388	17.33	1.2		B5/B14
	60	338	15.06	1.4		B5/B14
	73	277	12.37	1.7		B5/B14
	88	230	10.28	1.9		B5/B14
	113	178	7.93	1.5		B5/B14
	143	141	6.31	1.8		B5/B14
	164	123	5.48	1.9		B5/B14
	200	101	4.5	2.3		B5/B14
	241	84	3.74	2.4		B5/B14

P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
3.0						
2 Pole (2800 rpm)	99	278	28.3	1.1	BON 30	B5/B14
	129	214	21.78	1.3		B5/B14
	162	170	17.33	1.6		B5/B14
	186	148	15.06	1.8		B5/B14
	226	122	12.37	2.1		B5/B14
	272	101	10.28	2.4		B5/B14
	353	78	7.93	2.3		B5/B14
	444	62	6.31	2.9		B5/B14
	511	54	5.48	2.8		B5/B14
	622	44	4.5	3.4		B5/B14
	749	37	3.74	4.1		B5/B14
	81	340	34.62	1.5	BON 35	B5/B14
	99	278	28.3	1.8		B5/B14
	129	214	21.78	2.2		B5/B14
	162	170	17.33	2.8		B5/B14
	186	148	15.06	3.1		B5/B14
	226	122	12.37	3.8		B5/B14
	272	101	10.28	4.4		B5/B14
	353	78	7.93	3.3		B5/B14
	444	62	6.31	4.2		B5/B14
4 Pole (1400 rpm)	93	296	15.06	0.88	BON 30	B5/B14
	113	243	12.37	1.1		B5/B14
	136	202	10.28	1.2		B5/B14
	177	156	7.93	1.2		B5/B14
	222	124	6.31	1.5		B5/B14
	255	108	5.48	1.4		B5/B14
	311	88	4.5	1.7		B5/B14
	374	73	3.74	2		B5/B14
	49	556	28.3	0.9	BON 35	B5/B14
	64	428	21.78	1.1		B5/B14
	81	340	17.33	1.4		B5/B14
	93	296	15.06	1.6		B5/B14
	113	243	12.37	1.9		B5/B14
	136	202	10.28	2.2		B5/B14
	177	156	7.93	1.7		B5/B14
	222	124	6.31	2.1		B5/B14
	255	108	5.48	2.1		B5/B14
	311	88	4.5	2.6		B5/B14
	374	73	3.74	2.7		B5/B14

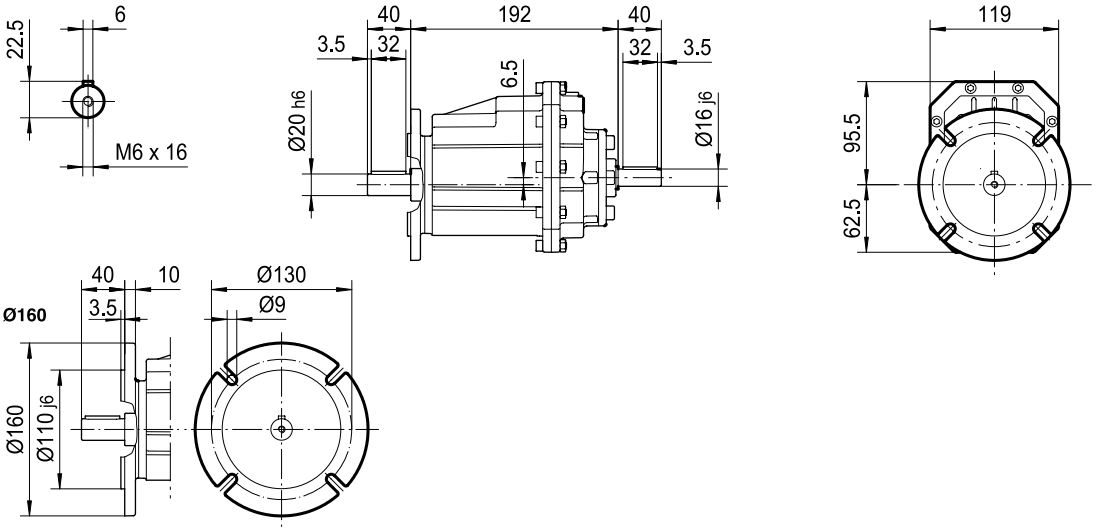
P_{1n} (kW)	n_2 (r/min)	M_{2n} (Nm)	i	SF		IEC
4.0						
2 Pole (2800 rpm)	162	227	17.33	1.2	BON 30	B5/B14
	186	197	15.06	1.3		B5/B14
	226	162	12.37	1.6		B5/B14
	272	135	10.28	1.8		B5/B14
	353	104	7.93	1.7		B5/B14
	444	83	6.31	2.2		B5/B14
	511	72	5.48	2.1		B5/B14
	622	59	4.5	2.5		B5/B14
	749	49	3.74	3.1		B5/B14
	81	453	34.62	1.1	BON 35	B5/B14
	99	371	28.3	1.3		B5/B14
	129	285	21.78	1.7		B5/B14
	162	227	17.33	2.1		B5/B14
	186	197	15.06	2.3		B5/B14
	226	162	12.37	2.8		B5/B14
	272	135	10.28	3.3		B5/B14
	353	104	7.93	2.5		B5/B14
	444	83	6.31	3.1		B5/B14
	511	72	5.48	3.2		B5/B14
	622	59	4.5	3.9		B5/B14
	749	49	3.74	4.1		B5/B14
4 Pole (1400 rpm)	136	269	10.28	0.89	BON 30	B5/B14
	177	208	7.93	0.87		B5/B14
	222	165	6.31	1.1		B5/B14
	255	144	5.48	1		B5/B14
	311	118	4.5	1.3		B5/B14
	374	98	3.74	1.5		B5/B14
	81	454	17.33	1.1	BON 35	B5/B14
	93	394	15.06	1.2		B5/B14
	113	324	12.37	1.4		B5/B14
	136	269	10.28	1.6		B5/B14
	117	208	7.93	1.3		B5/B14
	222	165	6.31	1.6		B5/B14
	255	144	5.48	1.6		B5/B14
	311	118	4.5	2		B5/B14
	374	98	3.74	2		B5/B14

DIMENSION SHEET

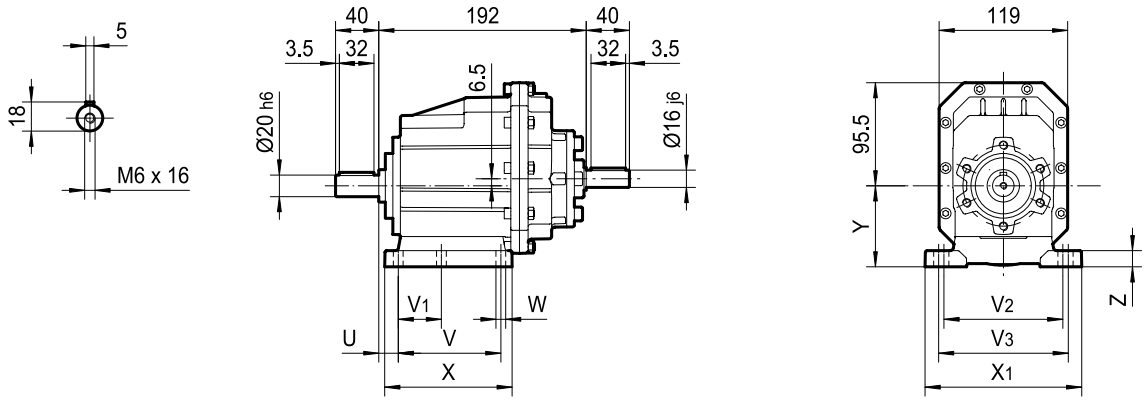
BON-IS 20 - U



BON-IS 20 - F (IEC)



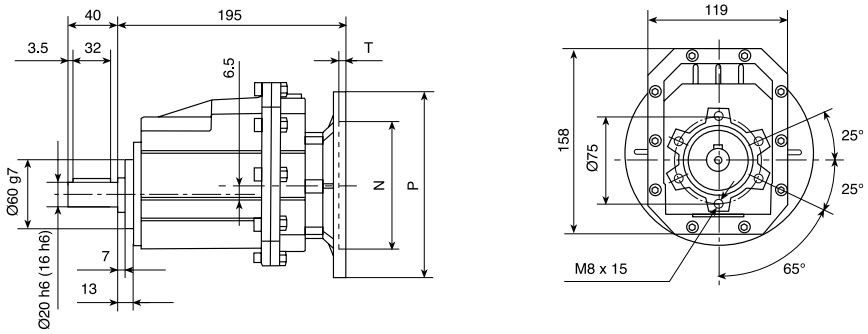
BON-IS 20 - H



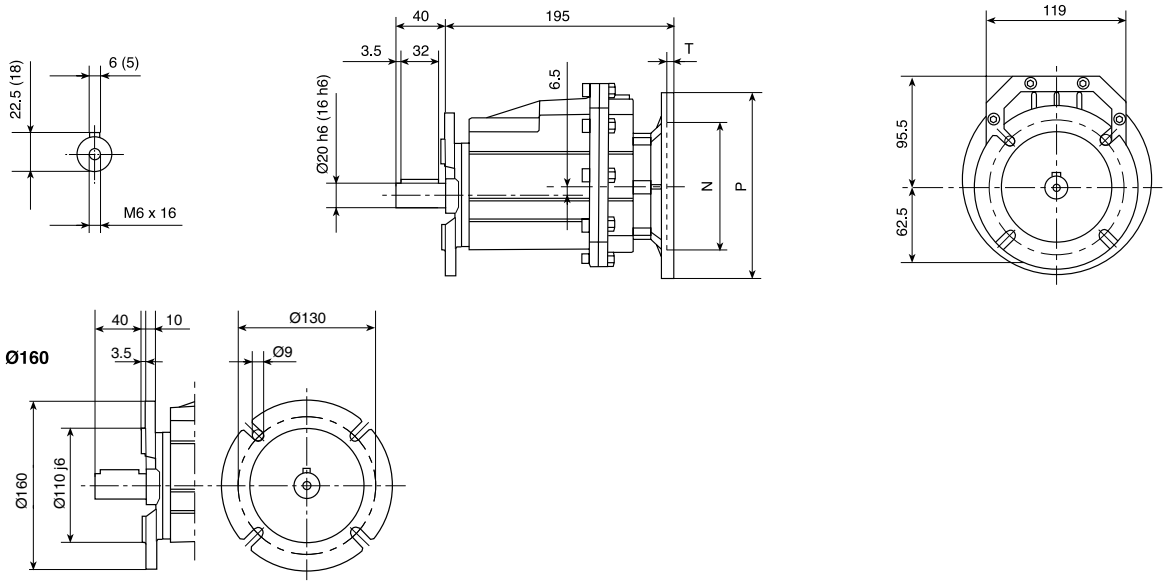
Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 20	18	107.5	60	130	–	11	136	155	95	17

DIMENSION SHEET

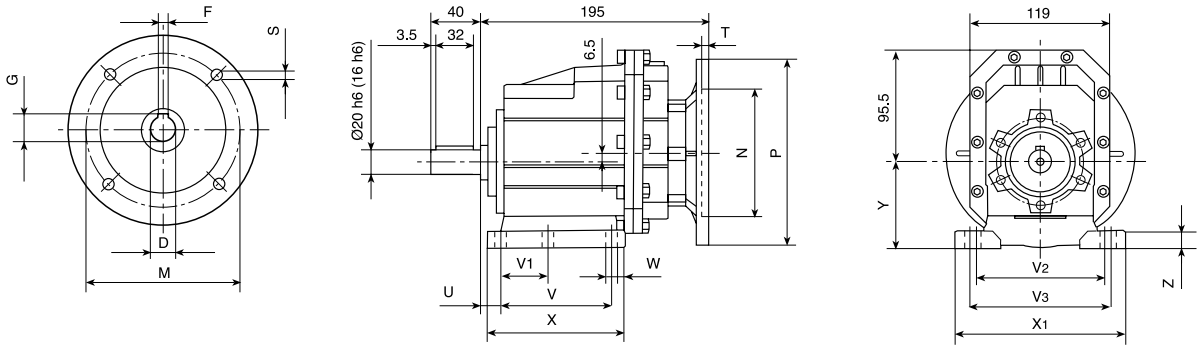
BON 20 - U (IEC)



BON 20 - F (IEC)



BON 20 - H (IEC)

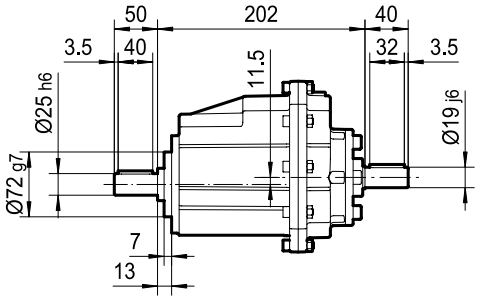


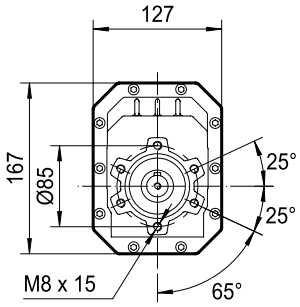
IEC	D	F	G	P	M	N	S	T
63B5	11	4	12.8	140	115	95	9	5
71B5	14	5	16.3	160	130	110	9	5
71B14	14	5	16.3	105	85	70	7	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5

Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 20	18	107.5	60	130	–	11	136	155	95	17

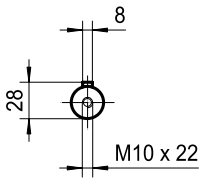
DIMENSION SHEET

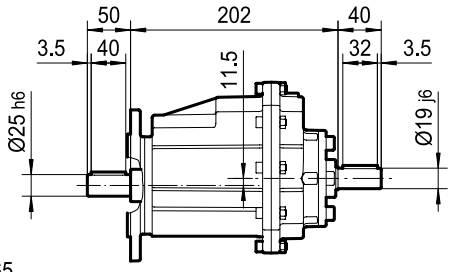
BON-IS 25 - U

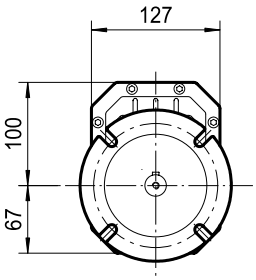


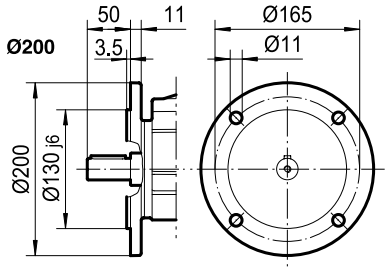


BON-IS 25 - F (IEC)

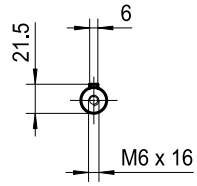


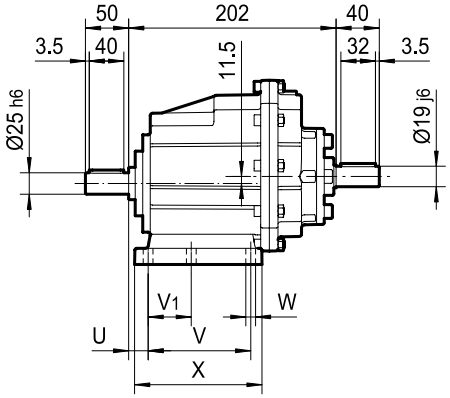


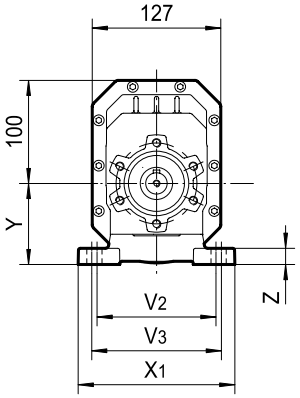




BON-IS 25 - H



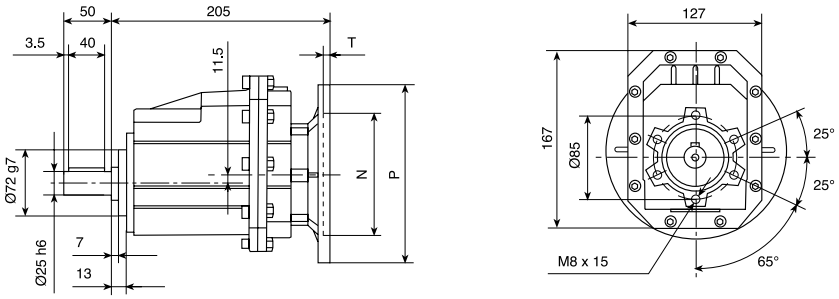




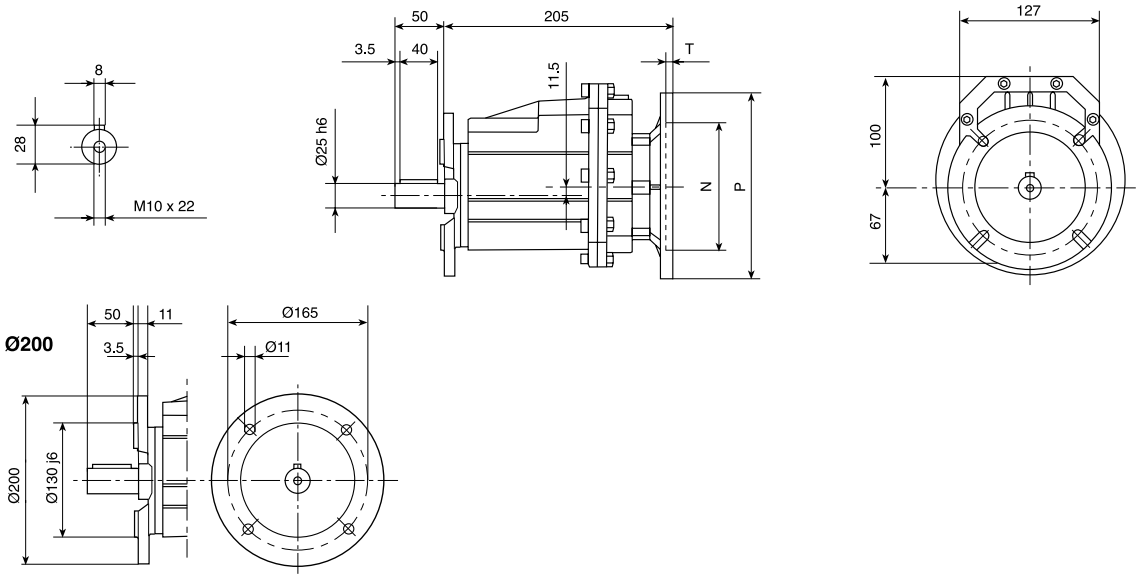
Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 25	18	107.5	60	130	–	11	136	155	100	17

DIMENSION SHEET

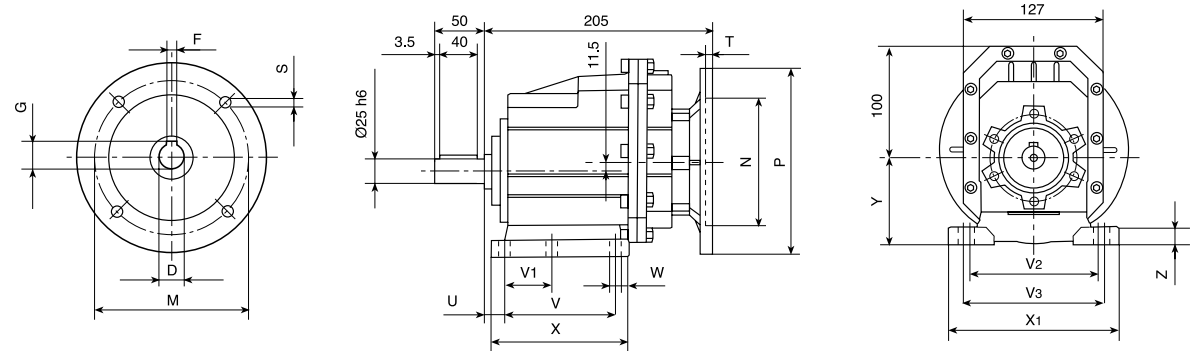
BON 25 - U (IEC)



BON 25 - F (IEC)



BON 25 - H (IEC)

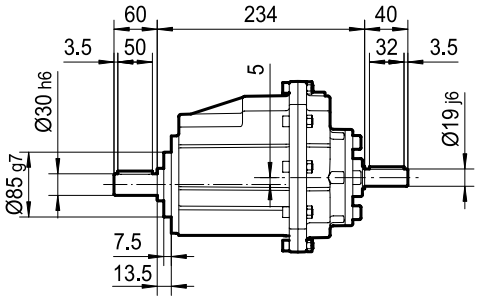


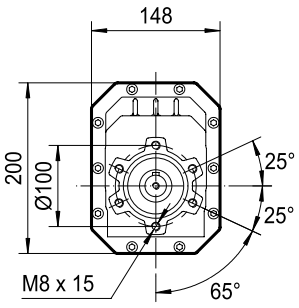
Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 25	18	107.5	60	130	–	11	136	155	100	17

IEC	D	F	G	P	M	N	S	T
71B5	14	5	16.3	160	130	110	9	5
71B14	14	5	16.3	105	85	70	7	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5

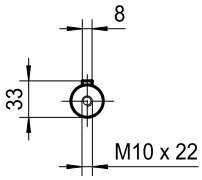
DIMENSION SHEET

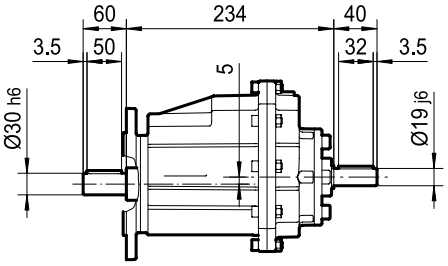
BON-IS 30 - U

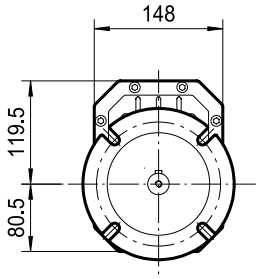


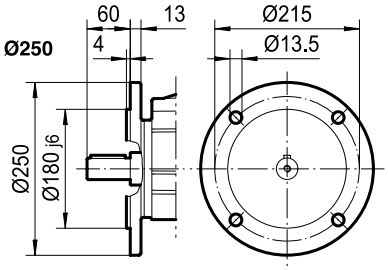


BON-IS 30 - F (IEC)

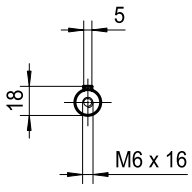


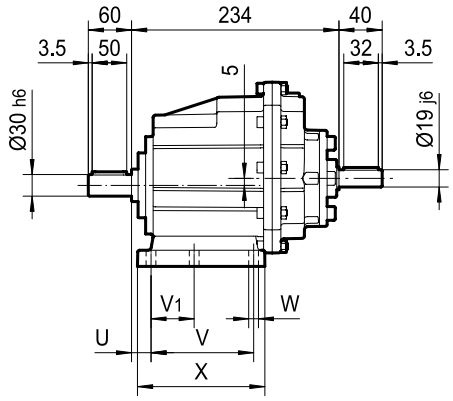


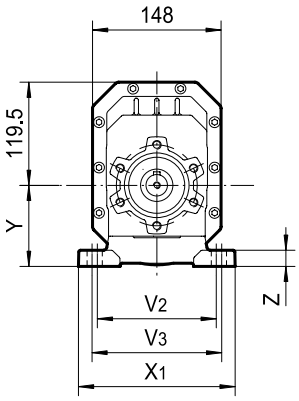




BON-IS 30 - H



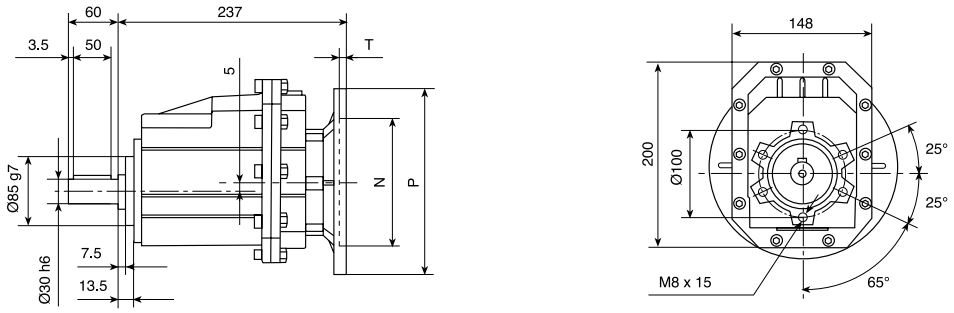




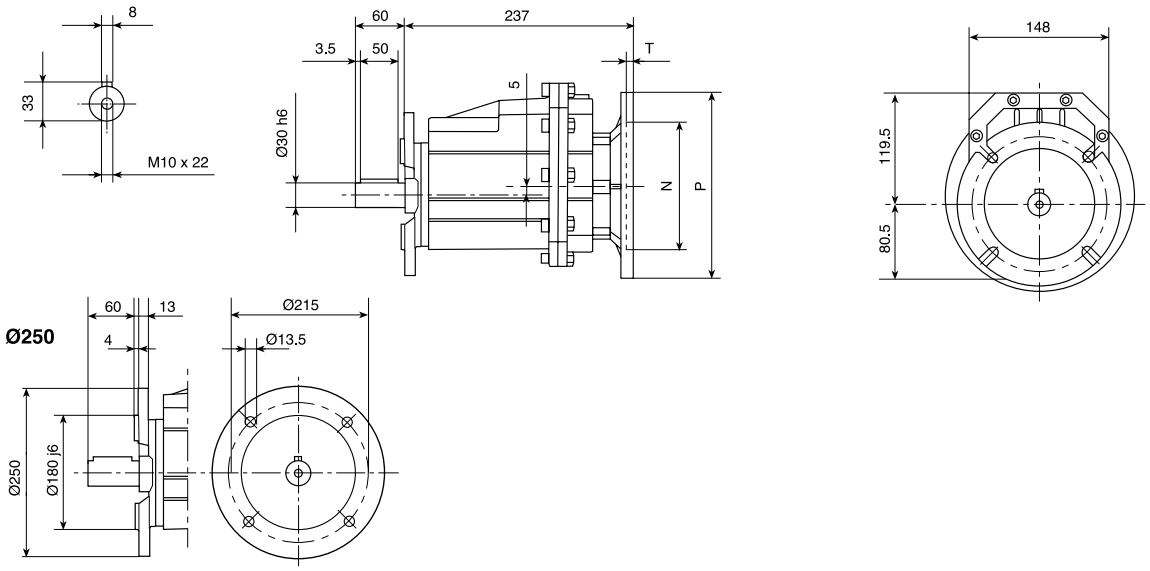
Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 30	32	110	–	170	185	14	150	230	110	20

DIMENSION SHEET

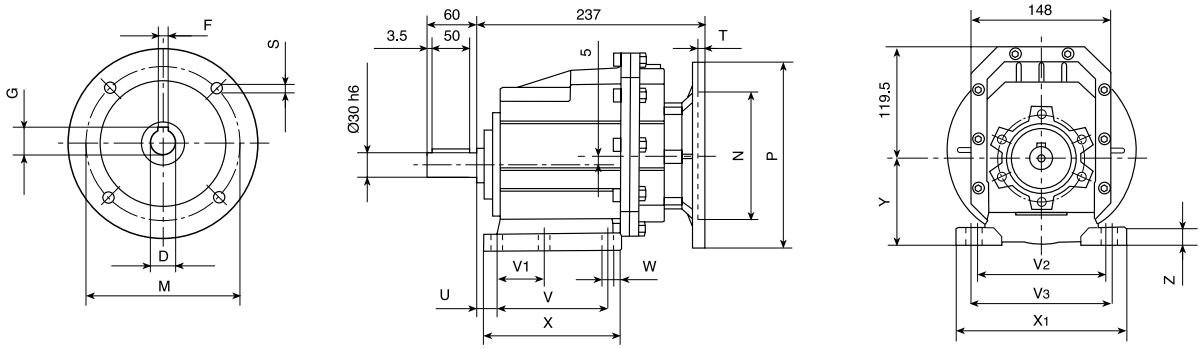
BON 30 - U (IEC)



BON 30 - F (IEC)



BON 30 - P (IEC)

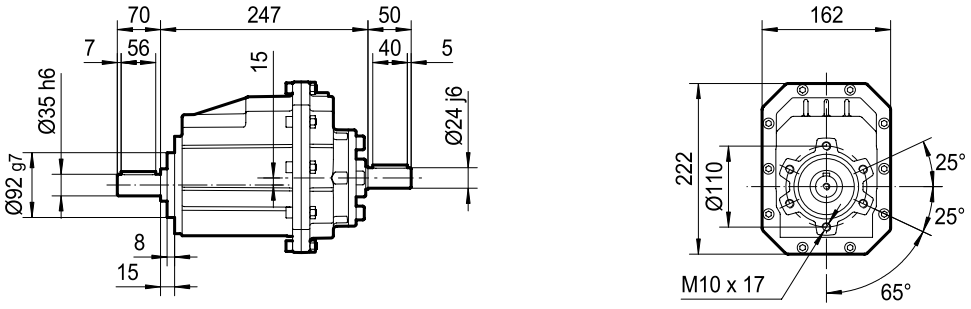


IEC	D	F	G	P	M	N	S	T
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5
100/112B5	28	8	31.3	250	215	180	13.5	5
100/112B14	28	8	31.3	160	130	110	9	5

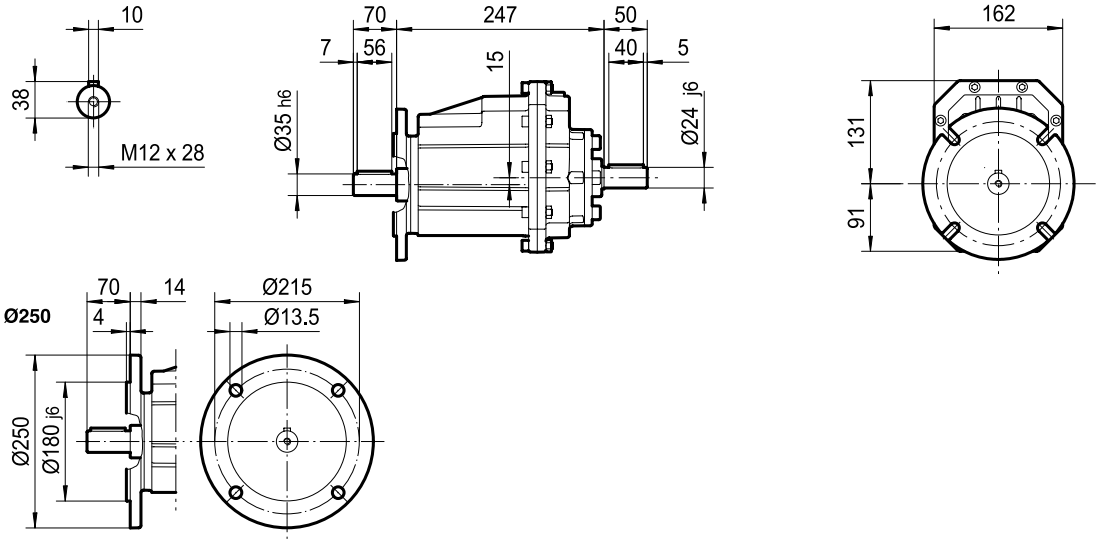
Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 30	32	110	–	170	185	14	150	230	110	20

DIMENSION SHEET

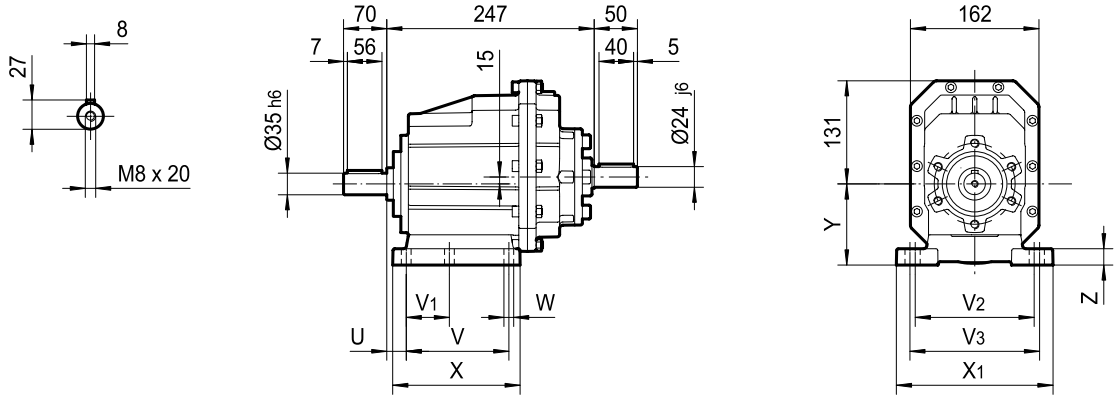
BON-IS 35 - U



BON-IS 35 - F (IEC)



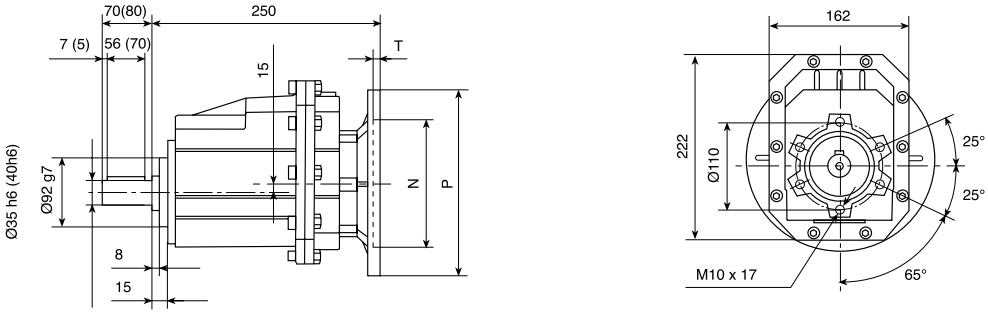
BON-IS 35 - H



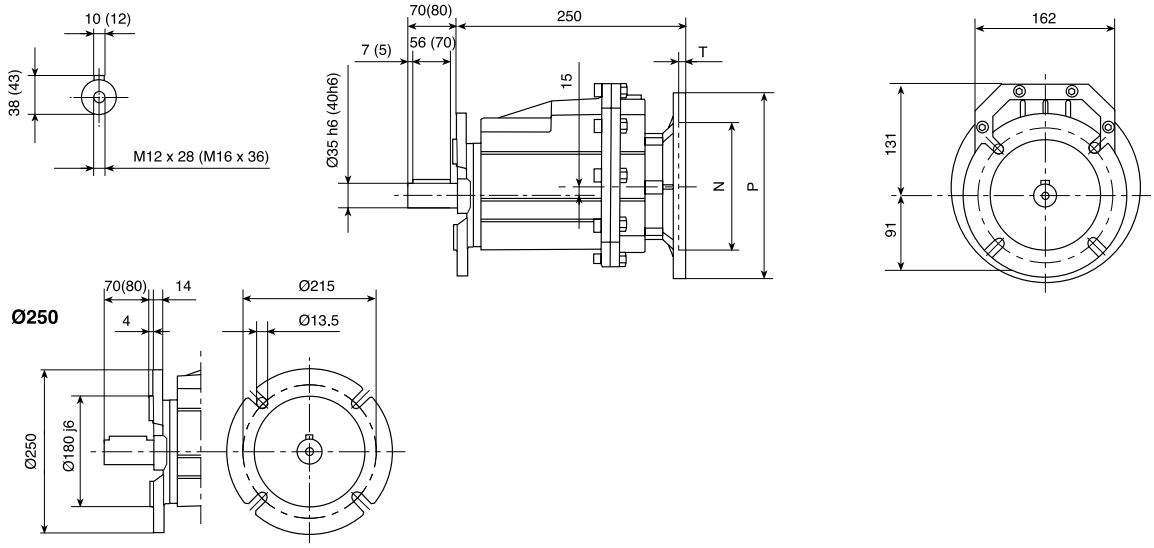
Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 35	35	110	–	170	185	14	150	230	120	20

DIMENSION SHEET

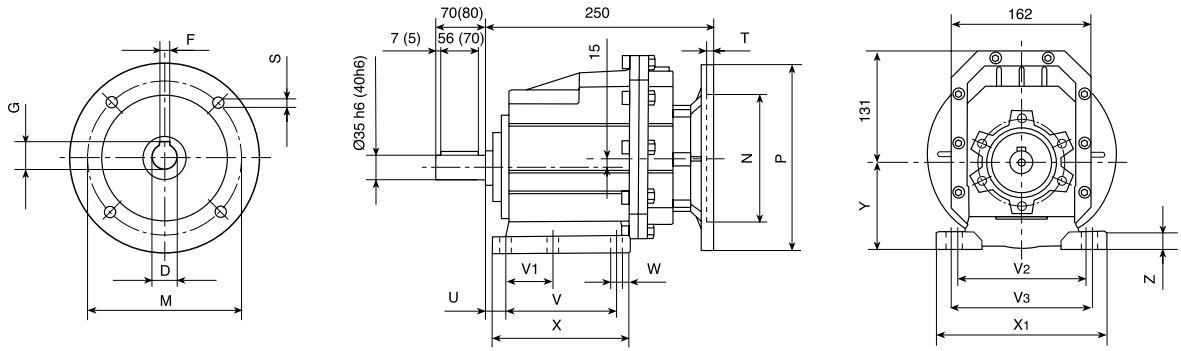
BON 35 - U (IEC)



BON 35 - F (IEC)



BON 35 - P (IEC)



Feet	U	V	V_1	V_2	V_3	W	X	X_1	Y	Z
H 35	35	110	–	170	185	14	150	230	120	20

IEC	D	F	G	P	M	N	S	T
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5
100/112B5	28	8	31.3	250	215	180	13.5	5
100/112B14	28	8	31.3	160	130	110	9	5

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