

FRD GEARBOX DATA SHEET

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TEC REFERENCE:

FRD43-B3-160-4

General Data

Size
Nominal Ratio
Exact Ratio
Input Power (kW)
Motor poles
Motor frame
Final Output Speed (RPM)
Output Torque (Nm)
Service Factor
Construction
Weight (kg excluding motor)
Rated Torque (Nm)
Mounting position
Lubrication

FRD43-B3
160
160.689
0.55
4
80B14
8.8
559
1.24
Aluminium
21.5
700
H1
Synthetic long-life oil VG-320 (volume dependant on mounting position)

Installation Dimensions

FRD43-B3

FRD-B3

Technical drawing of the FRD-B3 valve. The front view shows dimensions L₂, Q, L₁, D₂, D₁, Z, S₁, G, S, A, and Q. The top view shows dimensions C_x, E, V, H, CY, F, R, B, and P. The side view shows dimensions N₂, N₁, V₂, V₁, and M₂, M₁.

FRD-B5

Technical drawing of the FRD-B5 valve. The front view shows dimensions L₂, Q, D₂, G, U₁, S, A, C_y, H, F, B, R, P, P₁, F₁, E₁, and C_x. The top view shows dimensions C_x, E₁, F₁, H, F, B, R, P, P₁, F₁, E₁, and C_x. The side view shows dimensions L₂, Q, D₂, G, U₁, S, A, and C_y.

Size

Overall Dimensions

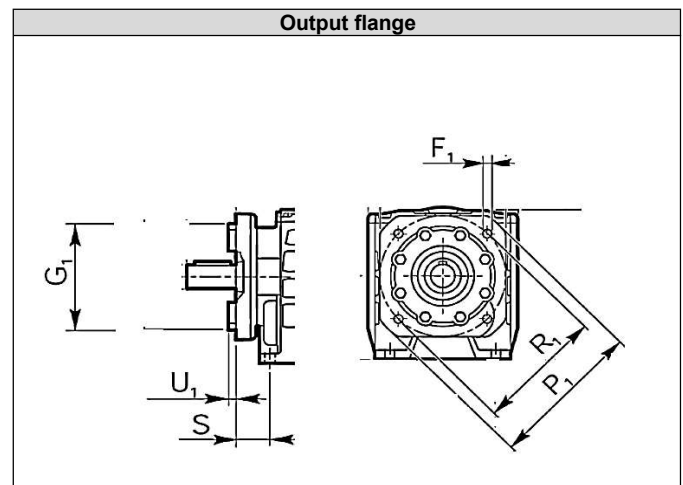
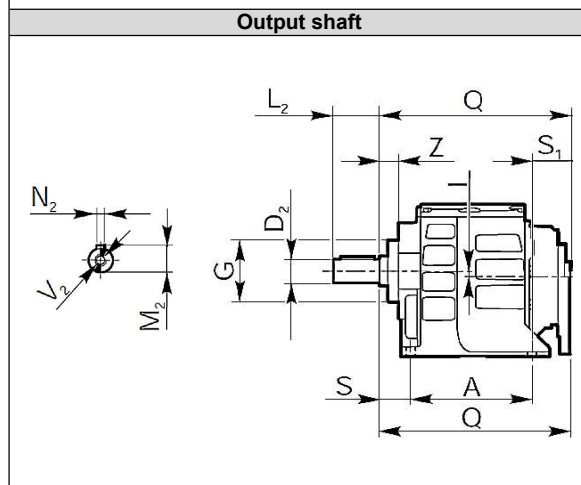
FRD43-B3

A	B	Cy	Cx	D1	D2	E	E1	F	F1	Gg6	G1h7	H	I	L1	L2	M1
195	150	222	215	28	35(40)	142	-	14	-	95	-	130	14	60	70(80)	31
M2	N1	N2	P	P1	Q	R	R1	S	S1	U1	V	V1	Weight			
38(43)	8	10(12)	145	-	305	130	-	30	80	-	M8x18(8)	M10x22	21.5			
V2	Z															
M10x22(M12x28)	15															

Technical drawings of the TEC motor showing side and front views with dimension labels (N, AC, TBW, TBH, AD, H, AA, A, E, L, B, F, D, S, M10, M12).

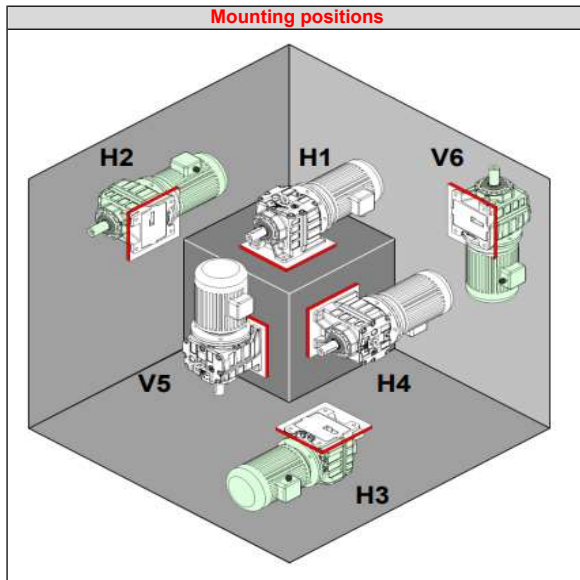
*please check the available inputs for this model with the TEC team

Options dimensions



Size	D2	F1	G1	L2	M2	N2	P1	R1	S	U1	V2
FRD43-B3	40	-	-	80	43	12	-	-	30	-	M12x28

Mounting positions



Quantity of oil in litres

Size	H1	H2	H3	H4	V5	V6
FRD02	0.20	0.20	0.20	0.20	0.28	0.28
FRD03	0.30	0.30	0.30	0.30	0.38	0.38
FRD12	0.50	0.50	0.50	0.50	0.70	0.70
FRD13	0.50	0.50	0.50	0.50	0.70	0.70
FRD22	0.80	0.80	0.80	0.80	1.00	1.00
FRD23	0.80	0.80	0.80	0.80	1.00	1.00
FRD32	1.30	1.30	1.30	1.30	1.80	1.80
FRD33	1.60	1.60	1.60	1.60	2.10	2.10
FRD42	2.20	2.20	2.20	2.20	3.00	3.00
FRD43	2.20	2.20	2.20	2.20	3.40	3.40
FRD52	4.50	4.50	4.50	4.50	5.50	5.50
FRD53	4.50	4.50	4.50	4.50	6.50	6.50
FRD62	7.00	7.00	7.00	7.00	9.00	9.00
FRD63	7.00	7.00	7.00	7.00	11.00	11.00

Main assembly codes

Input coupling F	Input flange A	Output flange D	Input 2 stage B	Input Gears 3 stage E	Output stage C	Input 3 stage G
KG6.XXX	K534.206.XXX	N/A	KRD43E105G6-AL	KRD4I038	KRD4U03935(40)-AL	N/A

