WG50
COOLING TOWER

Industrial Motors

Commercial &
Appliance Motors

Automation

Digital &
Systems

Energy

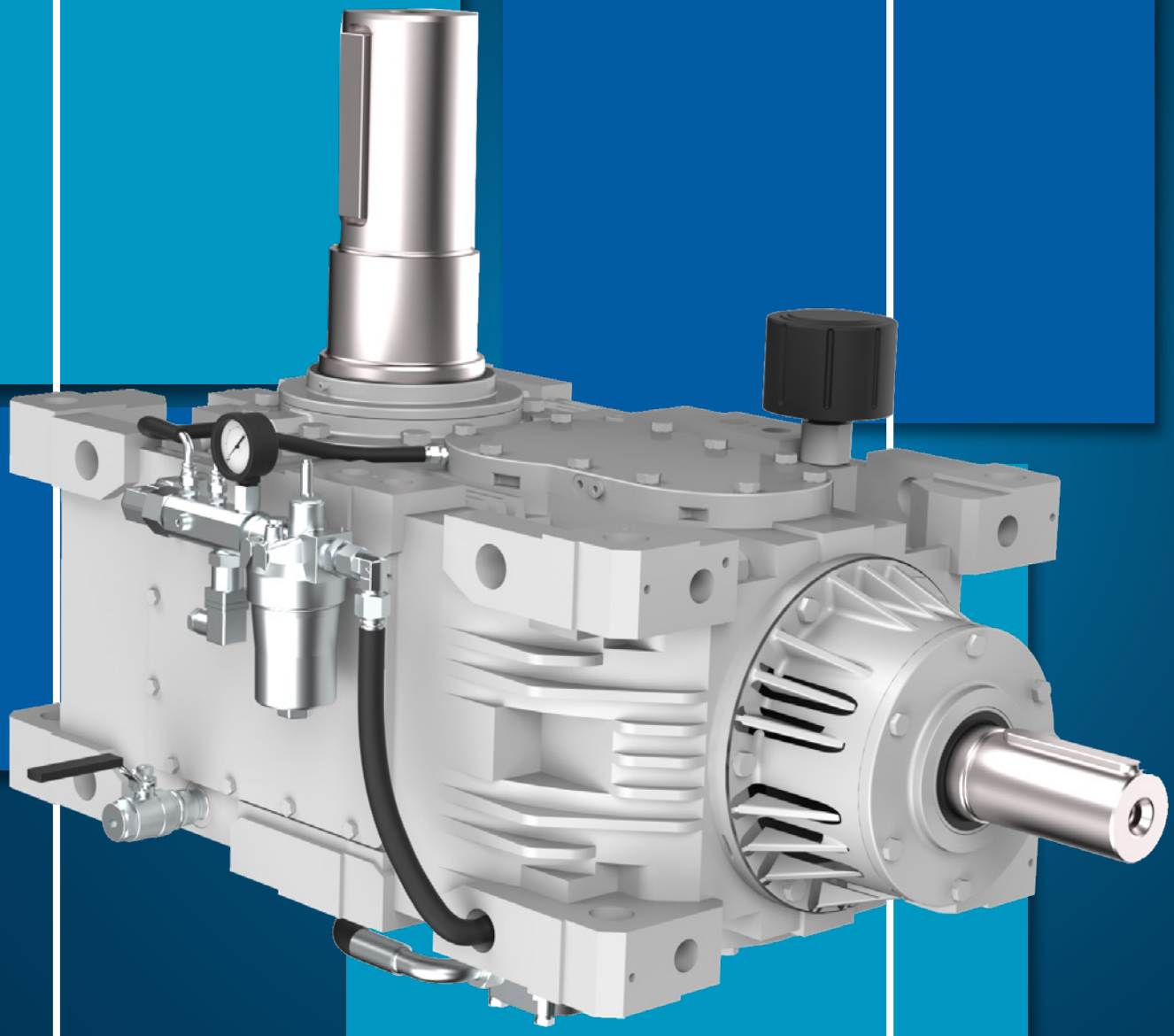
Transmission &
Distribution

Coatings

Gearbox Solutions for Cooling Towers

Driving efficiency and sustainability

WG50
Cooling Tower



MEMBER AGMA

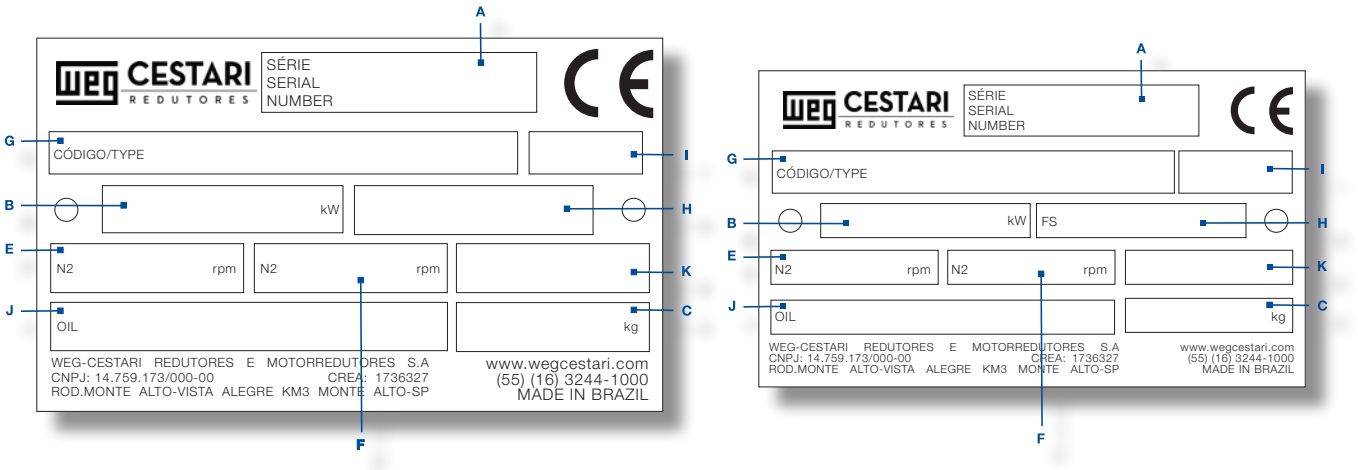
Content

Driving efficiency and sustainability

Scope

Size		W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12
Power [kW]		45/260kW											
Parallel and right angle shafts	Shaft arrangement / Ratio	Parallel / 6.30 - 22.40											
		Right angle / 6.30 - 18.00											
	Stages	2											
Frame	Material	Nodular cast iron											
	Type	Monoblock				Split							
Solid shaft	Design	With keyway and key (ASTM SAE AISI 1045) according to DIN 6885.1 and threaded hole according to DIN 332											
	Tolerance	< Ø55 k6 / ≥ Ø55 m6											
	Material	SAE AISI 4140											
Gears	Design	Case-hardened with ground tooth flanks											
	Material	DIN 18CrNiMo7-6 / 20 MnCr5											
Lip Seals	Design	Construction A / AS according to DIN 3760											
	Material	FKM (VITON)											
Cooling		Fan											

Nameplate

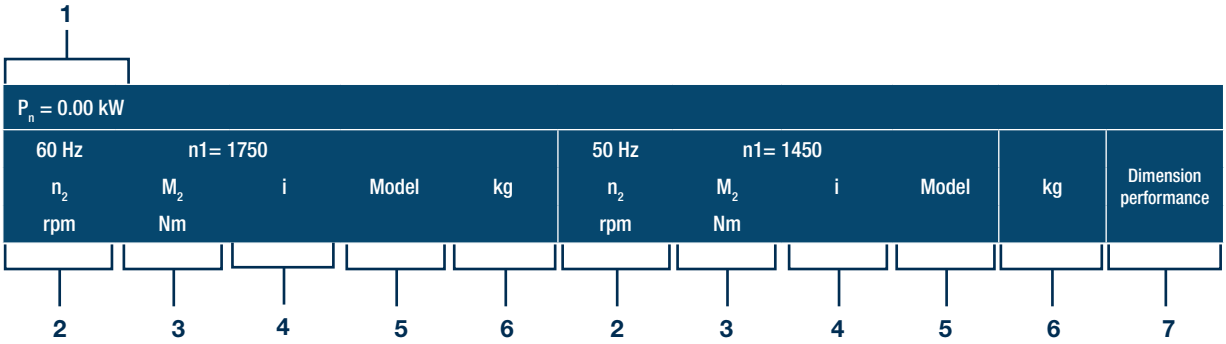


Lettering:

A	Serial number
B	Motor rated power
C	Weight of gearbox+motor
D	TAG
E	Output torque
F	Output Speed

G	Product description
H	Service Factor
I	Date
J	Oil
K	Gear ratio

Selection Tables - Parallel



1	Motor rated power
2	Output speed
3	Effective torque on the output shaft
4	Exact gear ratio of the gearbox

5	Type designation - Gearmotor
6	Weight - Gearmotor
7	Page reference for dimensional drawing

Pn = 55HP

60 Hz n1= 1750 n2 rpm	M2 Nm	i	Model	lb	Dimension performance	50 Hz n1= 1450 n2 rpm	M2 Nm	i	Model	lb	Dimension performance
283	13431	6,18	W01	478	Page 10	235	16210	6,18	W01	478	Page 10
245	15539	7,15	W01	478		203	18754	7,15	W01	478	
226	16822	7,74	W01	478		187	20302	7,74	W01	478	
196	19451	8,95	W01	478		162	23476	8,95	W01	478	
177	21429	9,86	W01	478		149	25443	9,70	W02	542	
157	24254	11,16	W02	542		130	29273	11,16	W02	542	
142	26862	12,36	W02	542		117	32420	12,36	W02	542	
123	30905	14,22	W02	542		102	37299	14,22	W02	542	
111	34187	15,73	W02	542		92	41260	15,73	W02	542	
97	39337	18,10	W02	542		80	47476	18,10	W04	835	
90	42467	19,54	W02	542		74	51122	19,49	W04	835	
78	48726	22,42	W04	835		65	58938	22,47	W06	1345	Page 11

Pn = 74HP

60 Hz n1= 1750 n2 rpm	M2 Nm	i	Model	lb	Dimension performance	50 Hz n1= 1450 n2 rpm	M2 Nm	i	Model	lb	Dimension performance
283	16416	6,18	W01	835	Page 10	235	19812	6,18	W01	835	Page 10
245	18993	7,15	W01	835		203	22922	7,15	W01	835	
226	20560	7,74	W01	835		187	24813	7,74	W01	835	
196	23668	8,91	W02	542		163	28564	8,91	W02	542	
180	25766	9,70	W02	542		149	31097	9,70	W02	542	
157	29644	11,16	W02	542		130	35778	11,16	W02	542	
142	32832	12,36	W02	542		117	39625	12,36	W02	542	
123	37772	14,22	W02	542		102	45587	14,22	W04	835	
111	41784	15,73	W02	542		92	50428	15,73	W04	835	
97	48079	18,10	W04	835		80	58026	18,10	W05	1197	
90	51771	19,49	W04	835		74	62482	19,49	W06	1345	Page 11
78	59687	22,47	W06	1345	Page 11	65	72036	22,47	W06	1345	

Pn = 101HP

60 Hz n1= 1750 n2 rpm	M2 Nm	i	Model	lb	Dimension performance	50 Hz n1= 1450 n2 rpm	M2 Nm	i	Model	lb	Dimension performance
281	22530	6,22	W03	839	Page 10	233	27192	6,22	W03	839	Page 10
243	26044	7,19	W03	839		202	31432	7,19	W03	839	
226	28072	7,75	W02	542		187	33837	7,74	W03	839	
196	32419	8,95	W03	839		162	39170	8,96	W04	835	
177	35715	9,86	W03	839		149	42405	9,70	W04	835	
157	40424	11,16	W04	835		130	48788	11,16	W04	835	
142	44771	12,36	W04	835		117	54034	12,36	W04	835	
121	52595	14,52	W05	1197	Page 11	100	63476	14,52	W05	1197	Page 11
112	56434	15,58	W05	1197		93	68110	15,58	W05	1197	
97	65272	18,02	W05	1197		80	79127	18,10	W06	1345	
90	70742	19,53	W06	1345		74	85378	19,53	W06	1345	
78	81391	22,47	W06	1345		65	98012	22,42	W08	2218	

P_n = 121HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
281	27036	6,22	W03	839	Page 10	233	32682	6,23	W05	1197	Page 10
243	31253	7,19	W03	839		201	37823	7,21	W05	1197	
226	33643	7,74	W03	839		186	40866	7,79	W04	835	
195	38946	8,96	W04	835		162	47004	8,96	W04	835	
180	42163	9,70	W04	835		149	50886	9,70	W04	835	
157	48509	11,16	W04	835		126	60381	11,51	W05	1197	Page 11
142	53725	12,36	W04	835		116	65837	12,55	W05	1197	
121	63114	14,52	W05	1197	Page 11	101	75227	14,34	W06	1345	
112	67721	15,58	W05	1197		92	82519	15,73	W06	1345	
97	78675	18,10	W06	1345		81	94323	17,98	W07	1986	
90	84890	19,53	W06	1345		74	102244	19,49	W08	2218	
78	97452	22,42	W08	2218		65	117615	22,42	W08	2218	

P_n = 148HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
281	33097	6,23	W05	1197	Page 11	233	39945	6,23	W05	1197	Page 11
243	38304	7,21	W05	1197		201	46229	7,21	W05	1197	
226	41119	7,74	W05	1197		187	49627	7,74	W05	1197	
195	47601	8,96	W05	1197		162	57449	8,96	W05	1197	
176	52860	9,95	W05	1197		146	63797	9,95	W05	1197	
157	59288	11,16	W06	1345		130	71555	11,16	W06	1345	
140	66248	12,47	W06	1345		116	79954	12,47	W06	1345	
123	75864	14,28	W07	1986		102	91560	14,28	W07	1986	
113	82611	15,55	W07	1986		93	99703	15,55	W07	1986	
98	94564	17,80	W08	2218		81	114129	17,80	W08	2218	
90	103542	19,49	W08	2218		74	124965	19,49	W08	2218	
78	119193	22,42	W08	2218		-	-	-	-	-	-

P_n = 177HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
281	39717	6,23	W05	485	Page 11	233	47934	6,23	W05	1197	Page 11
243	45965	7,21	W05	485		200	55705	7,24	W07	1986	
226	49343	7,74	W05	485		185	60168	7,82	W06	1345	
195	57121	8,96	W05	485		161	69170	8,99	W06	1345	
176	63432	9,95	W05	485		149	74710	9,71	W06	1345	
157	71146	11,16	W06	552		127	87790	11,41	W07	1986	
140	79498	12,47	W06	552		117	95022	12,35	W07	1986	
123	91036	14,28	W07	840		102	109410	14,22	W08	2218	
113	99133	15,55	W07	840		94	119105	15,48	W08	2218	
98	113477	17,80	W08	945		81	136955	17,80	W08	2218	
90	124251	19,49	W08	945		74	149958	19,49	W08	2218	

P_n = 201HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	45350	6,26	W07	1986	Page 11	232	54733	6,26	W07	1986	Page 11
242	52450	7,24	W07	1986		200	63301	7,24	W07	1986	
224	56652	7,82	W06	1345		187	67673	7,74	W07	1986	
195	65127	8,99	W06	1345		162	78340	8,96	W07	1986	
180	70343	9,71	W06	1345		147	86209	9,86	W07	1986	
157	80848	11,16	W06	1345		127	99761	11,41	W07	1986	
142	89469	12,35	W07	1986		117	107980	12,35	W07	1986	
123	103451	14,28	W07	1986		102	124330	14,22	W08	2218	
113	112144	15,48	W08	2218		94	135346	15,48	W08	2218	
98	128951	17,80	W08	2218		81	157029	17,96	W09	2769	Page 12
90	141194	19,49	W08	2218		72	176440	20,18	W10	2959	

P_n = 248HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	55932	6,26	W07	1986	Page 11	232	67504	6,26	W07	1986	Page 11
242	64688	7,24	W07	1986		201	77748	7,21	W09	2769	Page 12
226	69155	7,74	W07	1986		187	83463	7,74	W07	1986	Page 11
195	80056	8,96	W07	1986		161	97266	9,02	W08	2218	
177	88097	9,86	W07	1986		147	106324	9,86	W07	1986	
157	99891	11,18	W08	2218		130	120343	11,16	W08	2218	
142	110434	12,36	W08	2218		117	133283	12,36	W08	2218	
123	127053	14,22	W08	2218		101	154634	14,34	W09	2769	Page 12
113	138311	15,48	W08	2218		93	167466	15,53	W09	2769	
97	160469	17,96	W09	2769	Page 12	83	188709	17,50	W10	2959	
87	180304	20,18	W10	2959		73	215236	19,96	W12	4149	

P_n = 268HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	60467	6,26	W07	1986	Page 11	233	72628	6,23	W09	2769	Page 12
223	75729	7,84	W08	2218		206	81954	7,03	W10	2959	
226	74763	7,74	W07	1986		187	90231	7,74	W09	2769	
195	86547	8,96	W09	2769		166	101655	8,72	W10	2959	
177	95240	9,86	W07	1986		146	115878	9,94	W09	2769	
157	107797	11,16	W08	2218		129	130566	11,20	W10	2959	
142	119292	12,35	W08	2218		117	144556	12,40	W09	2769	
122	138514	14,34	W09	2769	Page 12	104	162858	13,97	W10	2959	
113	150008	15,53	W09	2769		90	187806	16,11	W10	2959	
100	169037	17,50	W10	2959		82	207158	17,77	W11	3904	
87	194924	20,18	W10	2959		72	235719	20,22	W12	4149	

P_n = 295HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
281	66089	6,22	W11	3904	Page 12	233	79762	6,22	W11	3904	Page 12
250	74376	7,00	W12	4149		207	89764	7,00	W12	4149	
226	82451	7,76	W11	3904		187	99510	7,76	W11	3904	
201	92652	8,72	W10	2959		162	115064	8,97	W11	3904	
177	104764	9,86	W11	3904		147	126454	9,86	W11	3904	
156	119002	11,20	W10	2959		127	146268	11,41	W11	3904	
135	137277	12,92	W10	2959		116	160941	12,55	W11	3904	
125	148434	13,97	W10	2959		100	186159	14,52	W11	3904	
109	171172	16,11	W10	2959		94	197002	15,36	W11	3904	
98	188809	17,77	W11	3904		82	227870	17,77	W11	3904	
88	212078	19,96	W12	4149		73	255957	19,96	W12	4149	

P_n = 349HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
177	123812	9,86	W11	3904	147	147	149429	9,86	W11	3904	Page 12
158	139509	11,11	W12	4149		131	168372	11,11	W12	4149	
137	160855	12,81	W12	4149		116	190203	12,81	W11	3904	
124	177556	14,14	W12	4149		103	214292	14,14	W12	4149	
107	204805	16,31	W12	4149		-	-	-	-	-	-
101	217362	17,31	W12	4149		84	262334	17,31	W12	4149	Page 12
88	250638	19,96	W12	4149		-	-	-	-	-	-

**For information, consult WEG-CESTARI.*

Selection Tables - Right Angle

P_n = 60HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	13605	6,26	W01	478	Page 13	232	16420	6,26	W01	478	Page 13
241	15757	7,25	W01	478		200	19017	7,25	W01	478	
228	16648	7,66	W01	478		189	20092	7,66	W01	478	
198	19256	8,86	W01	478		164	23240	8,86	W01	478	
180	21103	9,71	W01	478		149	25469	9,71	W01	478	
159	23994	11,04	W02	542		131	28958	11,04	W02	542	
144	26449	12,17	W02	542		119	31922	12,17	W02	542	
125	30427	14,00	W02	542		104	36722	14,00	W02	542	
115	33209	15,28	W02	542		95	40079	15,28	W02	542	
100	38207	17,58	W02	542		82	46112	17,58	W02	542	

P_n = 74HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	16628	6,26	W01	478	Page 13	232	20069	6,26	W01	478	Page 13
241	19258	7,25	W01	478		200	23243	7,25	W01	478	
228	20347	7,66	W01	478		189	24557	7,66	W01	478	
194	23986	9,03	W02	542		161	28949	9,03	W02	542	
182	25500	9,60	W02	542		151	30776	9,60	W02	542	
156	29830	11,23	W03	839		131	35393	11,04	W02	542	
144	32380	12,19	W03	839		119	39015	12,17	W02	542	
124	37454	14,10	W03	839		104	44882	14,00	W04	835	
115	40588	15,28	W04	835		95	48986	15,28	W04	835	
100	46698	17,58	W04	835		82	56359	17,58	W06	1345	Page 14

P_n = 101HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	22675	6,26	W01	478	Page 13	232	27366	6,26	W03	839	Page 13
241	26261	7,25	W03	839		200	31694	7,25	W03	839	
229	27674	7,64	W03	839		185	34317	7,85	W02	542	
198	32020	8,84	W03	839		164	38645	8,84	W03	839	
180	35172	9,71	W03	839		151	41880	9,58	W04	835	
159	39917	11,02	W04	835		132	48176	11,02	W04	835	
144	44082	12,17	W04	835		119	53203	12,17	W04	835	
125	50711	14,00	W04	835		103	61640	14,10	W05	1197	Page 14
115	55348	15,28	W06	1345	Page 14	95	66799	15,28	W06	1345	
100	63679	17,58	W06	1345		82	76853	17,58	W06	1345	

P_n = 121HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	27210	6,26	W03	839	Page 13	232	32840	6,26	W03	839	Page 13
241	31513	7,25	W03	839		200	38033	7,25	W03	839	
229	33209	7,64	W03	839		190	40079	7,64	W03	839	
194	39250	9,03	W04	835		161	47371	9,03	W04	835	
183	41641	9,58	W04	835		151	50256	9,58	W04	835	
159	47900	11,02	W04	835		129	58912	11,23	W05	1197	Page 14
144	52899	12,17	W04	835		119	63948	12,19	W05	1197	
124	61288	14,10	W05	1197	Page 15	104	73444	14,00	W06	1345	
115	66417	15,28	W06	1345		95	80158	15,28	W06	1345	
100	76414	17,58	W06	1345		82	92224	17,58	W08	2218	

P_n = 148HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	3758	6,26	W03	839	Page 13	232	4535	6,26	W05	1197	Page 14
241	4352	7,25	W05	1197	Page 14	200	5252	7,25	W05	1197	
223	4712	7,85	W04	835	Page 13	185	5687	7,85	W04	835	Page 13
194	5420	9,03	W04	835		164	6404	8,84	W05	1197	Page 14
183	5750	9,58	W04	835		149	7034	9,71	W05	1197	
156	6741	11,23	W05	1197	Page 14	132	7983	11,02	W06	1345	
144	7317	12,19	W05	1197		119	8816	12,17	W06	1345	
125	8403	14,00	W06	1345		103	10214	14,10	W07	1986	
115	9172	15,28	W06	1345		95	11069	15,28	W08	2218	
100	10552	17,58	W08	2218		82	12735	17,58	W08	2218	

P_n = 177HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	4509	6,26	W05	1197	Page 14	232	5442	6,26	W05	1197	Page 14
241	5222	7,25	W05	1197		200	6303	7,25	W05	1197	
229	5503	7,64	W05	1197		190	6642	7,64	W05	1197	
198	6367	8,84	W05	1197		161	7850	9,03	W06	1345	
180	6994	9,71	W05	1197		151	8328	9,58	W06	1345	
159	7938	11,02	W06	1345		129	9762	11,23	W07	1986	
144	8766	12,17	W06	1345		119	10597	12,19	W07	1986	
124	10156	14,10	W07	1986		104	12170	14,00	W08	2218	
115	11006	15,28	W08	2218		95	13283	15,28	W08	2218	
100	12663	17,58	W08	2218		82	15283	17,58	W08	2218	

P_n = 201HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	lb		n_2 rpm	M_2 Nm	i	Model	lb	
280	5124	6,26	W05	1197	Page 14	228	6273	6,35	W07	1986	Page 14
241	5934	7,25	W05	1197		197	7261	7,35	W07	1986	
229	6253	7,64	W05	1197		185	7755	7,85	W06	1345	
194	7391	9,03	W06	1345		161	8920	9,03	W06	1345	
183	7841	9,58	W06	1345		151	9464	9,58	W06	1345	
159	9020	11,02	W06	1345		129	11094	11,23	W07	1986	
144	9961	12,17	W06	1345		119	12042	12,19	W07	1986	
124	11541	14,10	W07	1986		104	13830	14,00	W08	2218	
115	12507	15,28	W08	2218		95	15094	15,28	W08	2218	
100	14389	17,58	W08	2218		-	-	-	-	-	-

P_n = 248HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	Ib		n_2 rpm	M_2 Nm	i	Model	Ib	
276	6410	6,35	W07	1986	Page 14	228	7737	6,35	W07	1986	Page 14
238	7420	7,35	W07	1986		197	8955	7,35	W07	1986	
229	7713	7,64	W07	1986		190	9308	7,64	W07	1986	
198	8924	8,84	W07	1986		164	10770	8,84	W07	1986	
180	9802	9,71	W07	1986		149	11830	9,71	W07	1986	
156	11337	11,23	W07	1986		132	13426	11,02	W08	2218	
144	12286	12,17	W08	2218		119	14827	12,17	W08	2218	
125	14133	14,00	W08	2218		106	16740	13,74	W10	2959	Page 15
115	15425	15,28	W08	2218		92	19299	15,84	W10	2959	

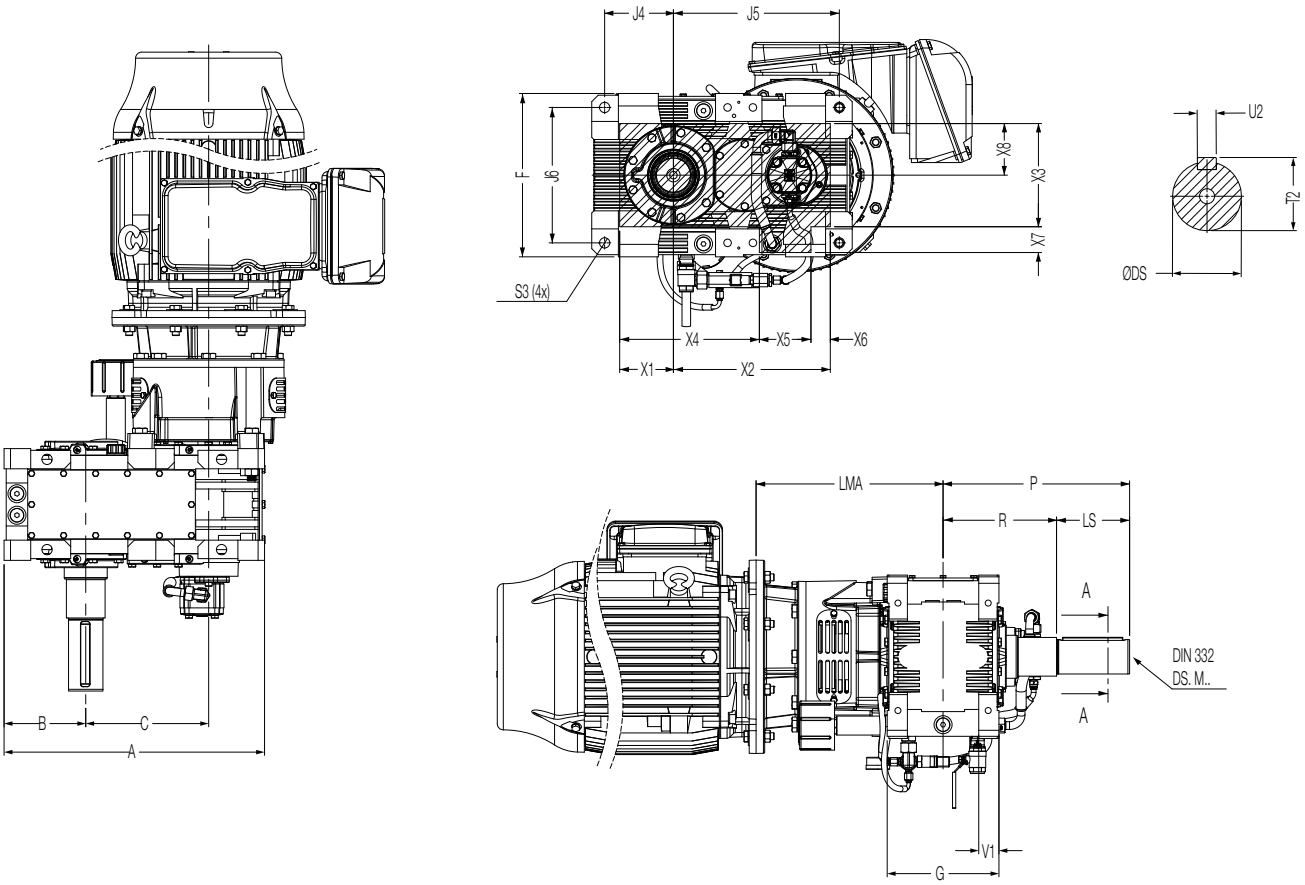
P_n = 268HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	Ib		n_2 rpm	M_2 Nm	i	Model	Ib	
276	6930	6,35	W07	1986	Page 14	228	8364	6,35	W07	1986	Page 14
238	8021	7,35	W07	1986		197	9681	7,35	W07	1986	
229	8338	7,64	W07	1986		190	10063	7,64	W07	1986	
198	9648	8,84	W07	1986		158	12065	9,16	W08	2218	
180	10597	9,71	W07	1986		151	12618	9,58	W08	2218	
159	12027	11,02	W08	2218		132	14515	11,02	W08	2218	
144	13282	12,17	W08	2218		119	16030	12,17	W08	2218	
124	15388	14,10	W09	2769	Page 15	103	18572	14,10	W11	3904	Page 15
110	17287	15,84	W10	2959		92	20864	15,84	W10	2959	
100	76414	17,58	W06	1345	Page 14	82	92224	17,58	W08	2218	Page 14

P_n = 295HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	Ib		n_2 rpm	M_2 Nm	i	Model	Ib	
276	7623	6,35	W07	1986	Page 14	228	9200	6,35	W09	2769	Page 15
238	8824	7,35	W09	2769	Page 15	197	10649	7,35	W09	2769	
229	9172	7,64	W07	2218	Page 14	190	11069	7,64	W09	2769	
198	10612	8,84	W09	2769	Page 15	168	12475	8,61	W10	2959	
180	11657	9,71	W09	2769		149	14068	9,71	W11	3904	
160	13133	10,94	W10	2959		129	16227	11,2	W11	3904	
144	14634	12,19	W11	3904		115	18285	12,62	W12	4149	
124	16927	14,1	W11	3904		106	19907	13,74	W12	4149	
110	19016	15,84	W12	4149		-	-	-	-	-	-

P_n = 349HP											
60 Hz	n1= 1750				Dimension performance	50 Hz	n1= 1450				Dimension performance
n_2 rpm	M_2 Nm	i	Model	Ib		n_2 rpm	M_2 Nm	i	Model	Ib	
276	9009	6,35	W11	3904	Page 15	-	-	-	-	-	-
244	10158	7,16	W12	4149		-	-	-	-	-	-
212	11719	8,26	W12	4149		-	-	-	-	-	-

Dimension Drawing

WG50 Parallel 01 to 04 - Mechanical Pump

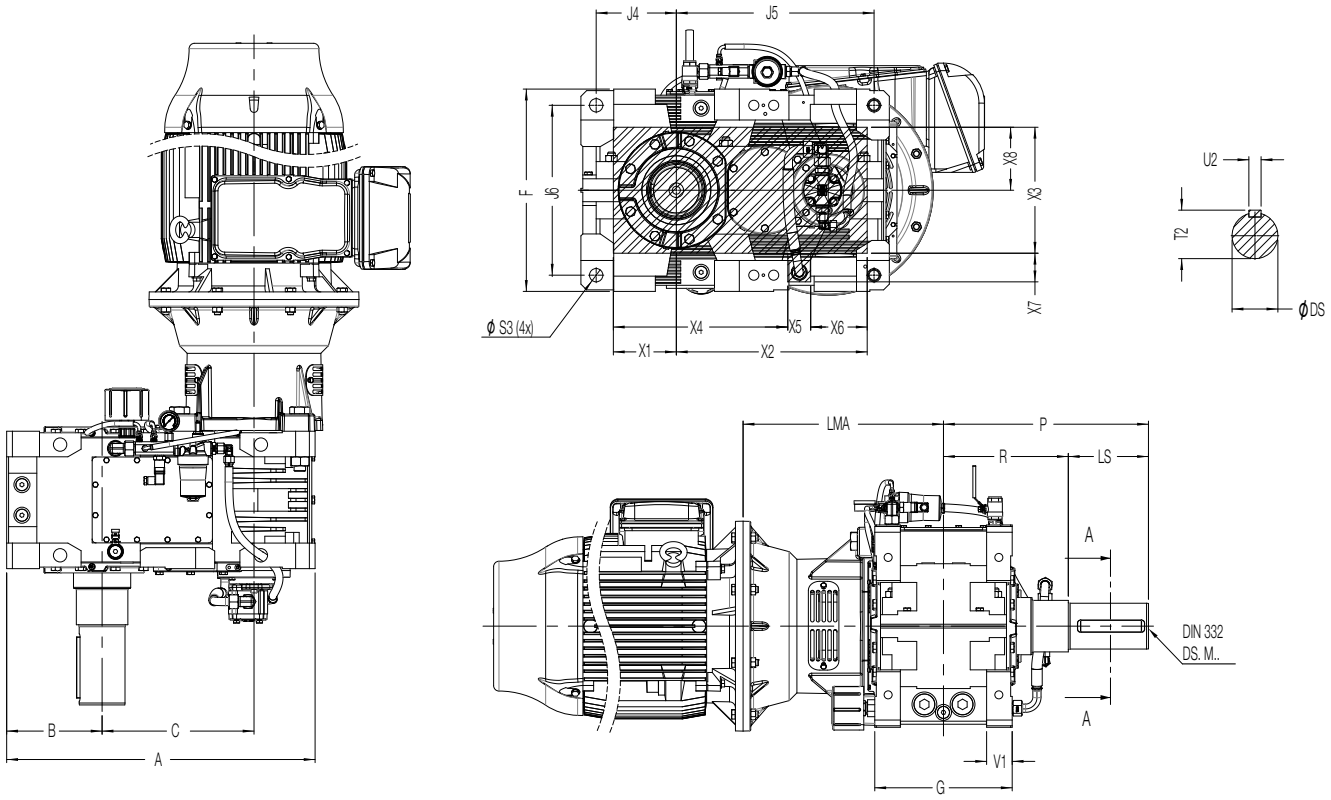


Size	A	B	C	F	G	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X4	X5	X6	X7	X8	R
W01	606	190	286	380	260	160	386	315	434	24	47	125	365	240	325	120	45	60	120	264
W02	665	215	320	380	260	185	420	315	434	24	47	130	400	260	355	130	45	55	130	264
W03	693	215	338	450	300	184	447	380	500	28	53	145	430	300	385	120	70	65	150	290
W04	767	250	377	450	300	219	486	380	500	28	53	150	470	300	405	145	70	65	150	290

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W01	80 m6	170	85	22 P9	M20	31.63
W02	90 m6	170	95	25 P9	M24	39.75
W03	100 m6	210	106	28 P9	M24	54.94
W04	110 m6	210	116	28 P9	M24	64.77

Note: For sizes W01 and W02, the standard is without a lubrication system. The use of mechanical pumps is optional.

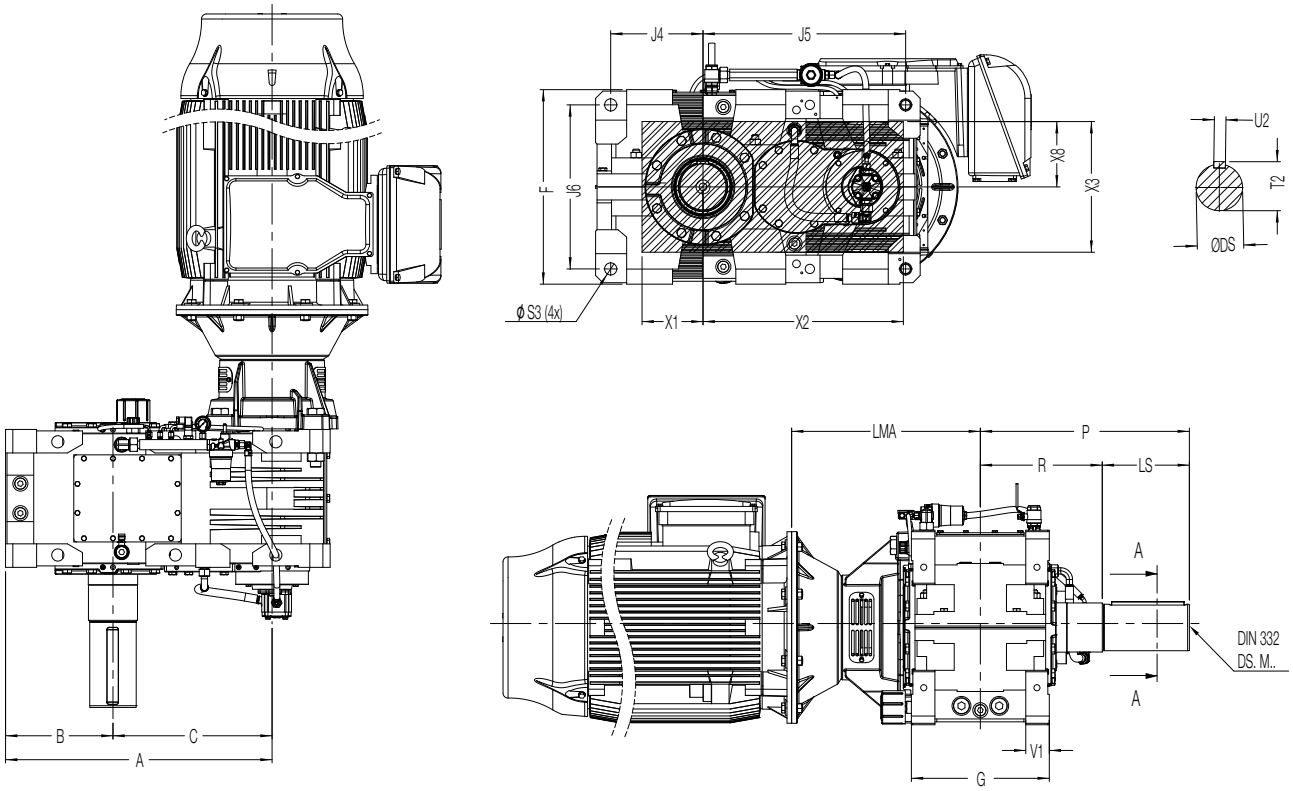
WG50 Parallel 05 to 08 - Mechanical Pump



Size	A	B	C	F	G	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X4	X5	X6	X7	X8	R
W05	808	250	398	530	360	210	518	445	537	35	67	165	500	330	450	70	145	70	165	327
W06	899	295	444	530	360	255	819	445	577	35	67	170	550	340	450	80	190	75	170	327
W07	1015	355	470	630	425	303	612	525	614	42	81	190	590	370	520	85	175	100	185	364
W08	1069	355	524	630	425	303	666	525	664	42	81	200	640	400	580	85	175	90	200	364

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W05	120 m6	210	127	32 P9	M24	83.16
W06	130 m6	250	137	32 P9	M24	102.25
W07	135 m6	250	141	36 P9	M30	98.23
W08	150 m6	300	158	36 P9	M30	133.08

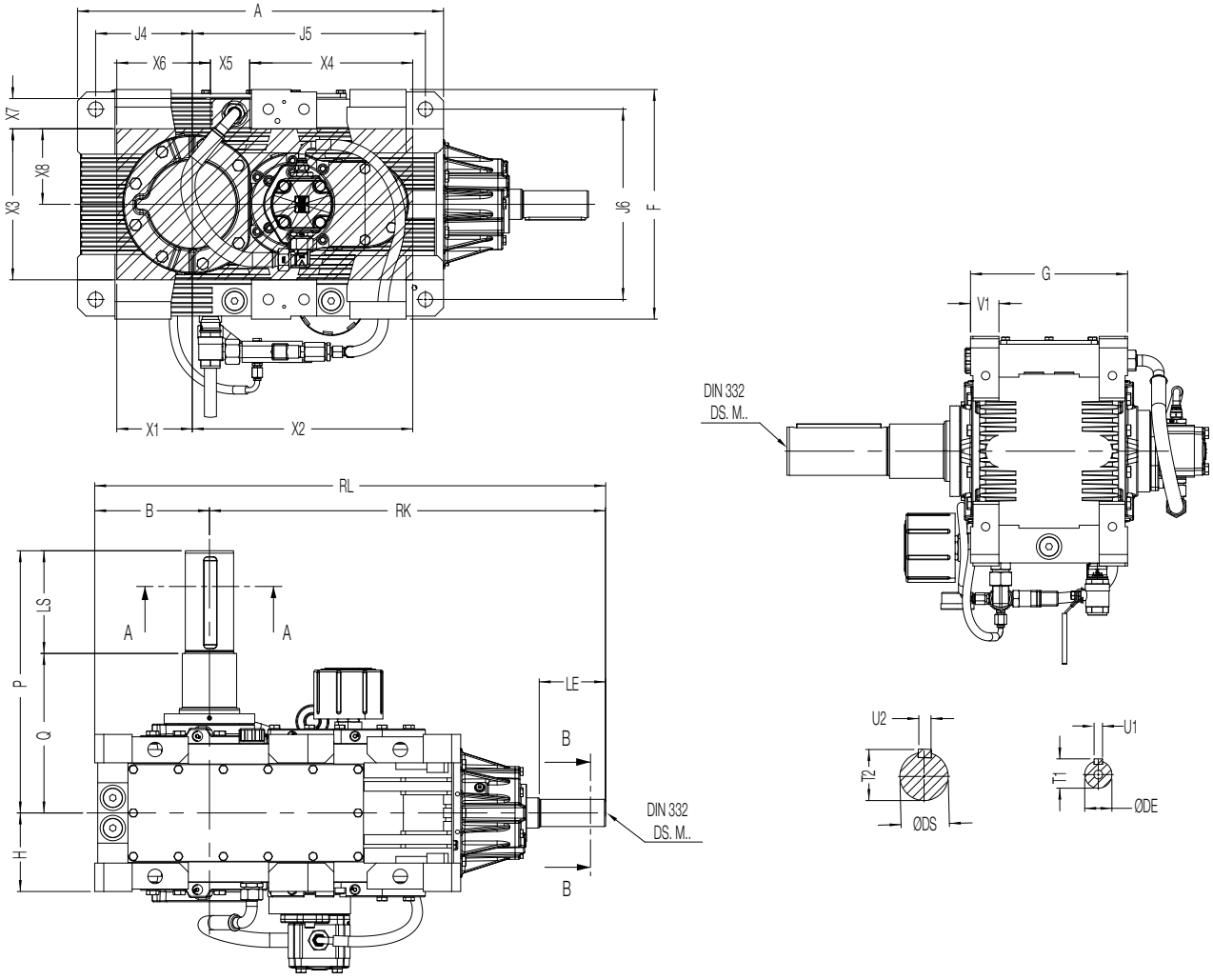
WG50 Parallel 09 to 12 - Mechanical Pump



Size	A	B	C	F	G	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X4	X5	X6	X7	X8	R
W09	1118	370	548	670	475	318	698	565	720	42	81	210	690	450	-	-	-	-	225	420
W10	1150	370	580	670	475	318	730	565	720	42	81	210	720	450	-	-	-	-	225	420
W11	1260	420	617	750	515	360	780	630	740	48	91	240	770	500	-	-	-	-	250	440
W12	1295	420	652	750	515	360	815	630	790	48	91	240	810	500	-	-	-	-	250	440

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W09	160 m6	300	169	40 P9	M30	165.26
W10	165 m6	300	174	40 P9	M30	168.37
W11	180 m6	300	190	45 P9	M30	225.99
W12	190 m6	350	200	45 P9	M30	244.87

WG50 Right Angle 01 to 04 - Mechanical Pump



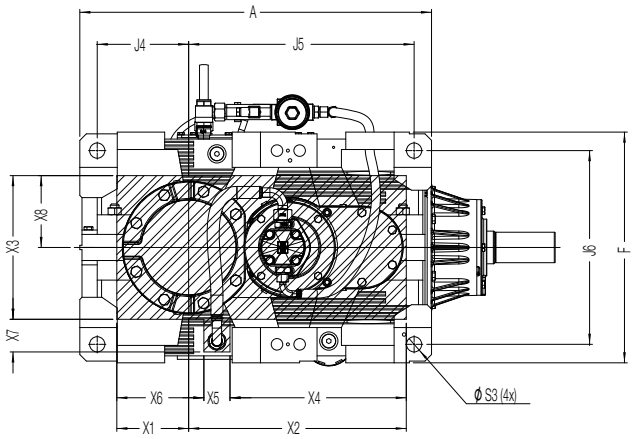
Size	A	B	F	G	H	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X4	X5	X6	X7	X8	RK	RL	Q
W01	606	190	380	260	190	160	386	315	434	24	47	125	365	250	270	65	155	50	125	656	846	264
W02	665	215	380	260	190	185	420	315	434	24	47	130	400	260	270	70	190	50	130	690	905	264
W03	693	215	450	300	225	184	447	380	500	28	53	145	435	305	355	70	155	55	152.5	726	941	290
W04	767	250	450	300	225	219	486	380	500	28	53	160	470	310	350	65	215	55	155	765	1015	290

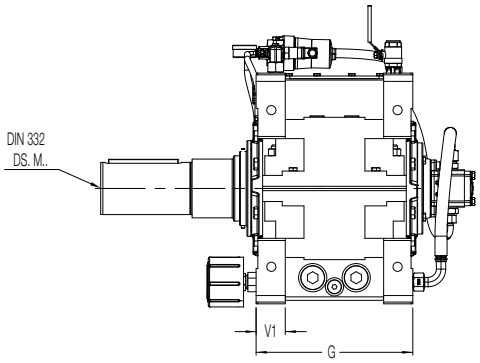
INPUT SHAFT					
Size	ØDS	LS	T2	U2	DIN 332 DS. M..
W01	45 m6	110	48.5	14 h9	M16
W02	45 m6	110	48.5	14 h9	M16
W03	55 m6	110	59	16 h9	M20
W04	55 m6	110	59	16 h9	M20

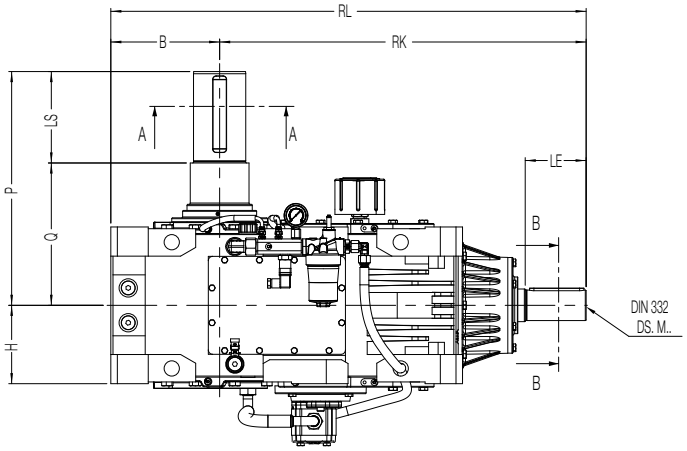
OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W01	80 m6	170	85	22 P9	M20	31.63
W02	90 m6	170	95	25 P9	M24	39.75
W03	100 m6	210	106	28 P9	M24	54.94
W04	110 m6	210	116	28 P9	M24	64.77

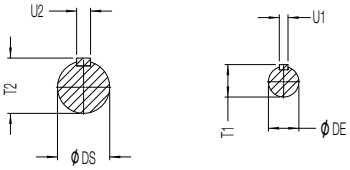
Note: For sizes W01 and W02, the standard is without a lubrication system. The use of mechanical pumps is optional.

WG50 Right Angle 05 to 08 - Mechanical Pump







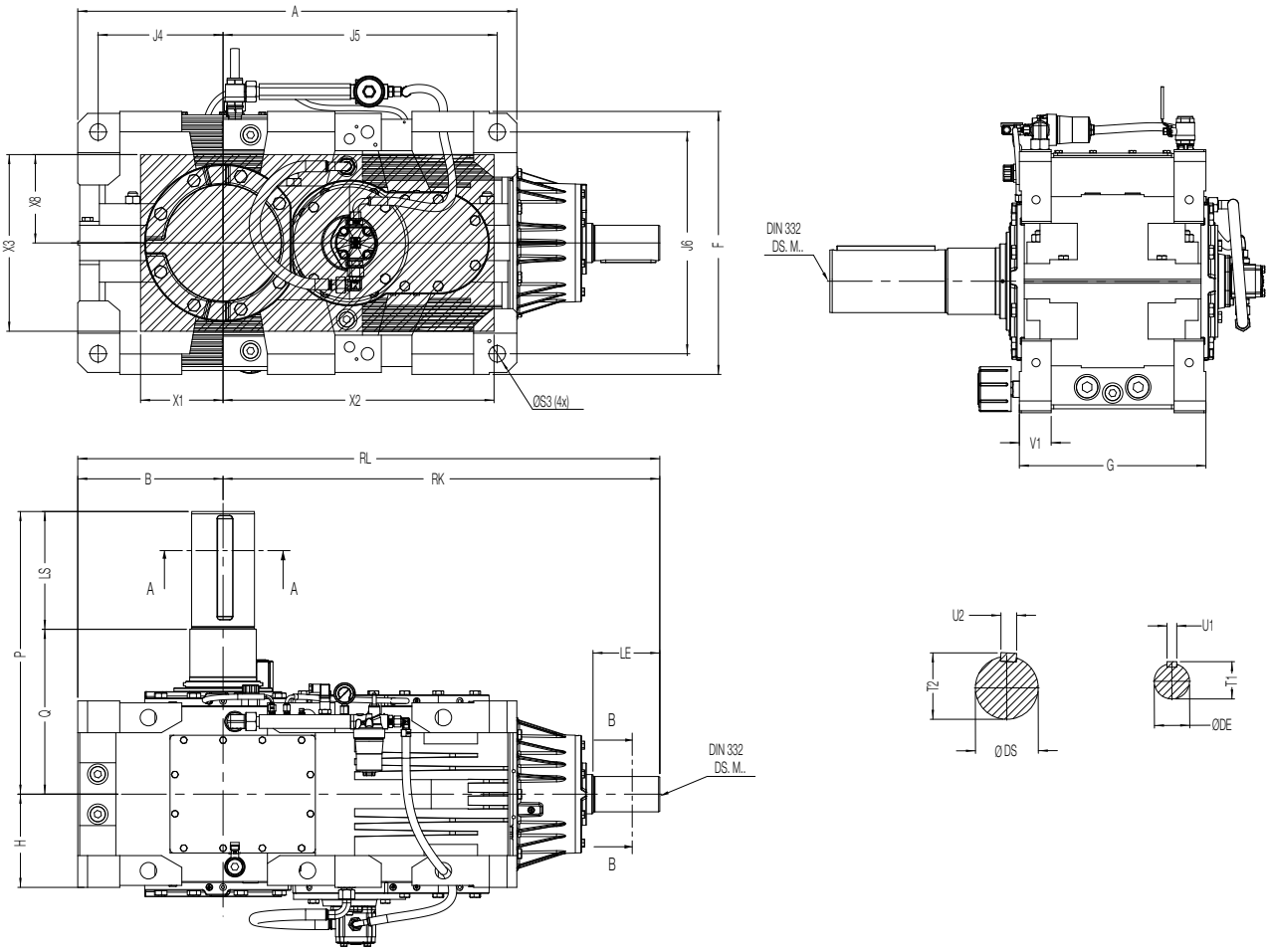


Size	A	B	F	G	H	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X4	X5	X6	X7	X8	RK	RL	Q
W05	808	250	530	360	265	210	518	445	537	35	67	165	500	330	395	80	190	80	165	842	1092	327
W06	899	295	530	360	265	255	819	445	577	35	67	170	550	340	390	85	245	70	170	888	1183	327
W07	1015	355	630	425	315	303	612	525	614	42	81	190	590	370	485	105	190	100	185	984	1339	364
W08	1069	355	630	425	315	303	666	525	664	42	81	200	650	400	470	90	280	90	200	1038	1393	364

INPUT SHAFT					
Size	ØDS	LS	T2	U2	DIN 332 DS. M..
W05	70m6	140	74.5	20 h9	M20
W06	70 m6	140	74.5	20 h9	M20
W07	80 m6	170	85	22 h9	M20
W08	80 m6	170	85	22 h9	M20

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W05	120 m6	210	127	32 P9	M24	83.16
W06	130 m6	250	137	32 P9	M24	102.25
W07	135 m6	250	141	36 P9	M30	98.23
W08	150 m6	300	158	36 P9	M30	133.08

WG50 Right Angle 09 to 12 - Mechanical Pump

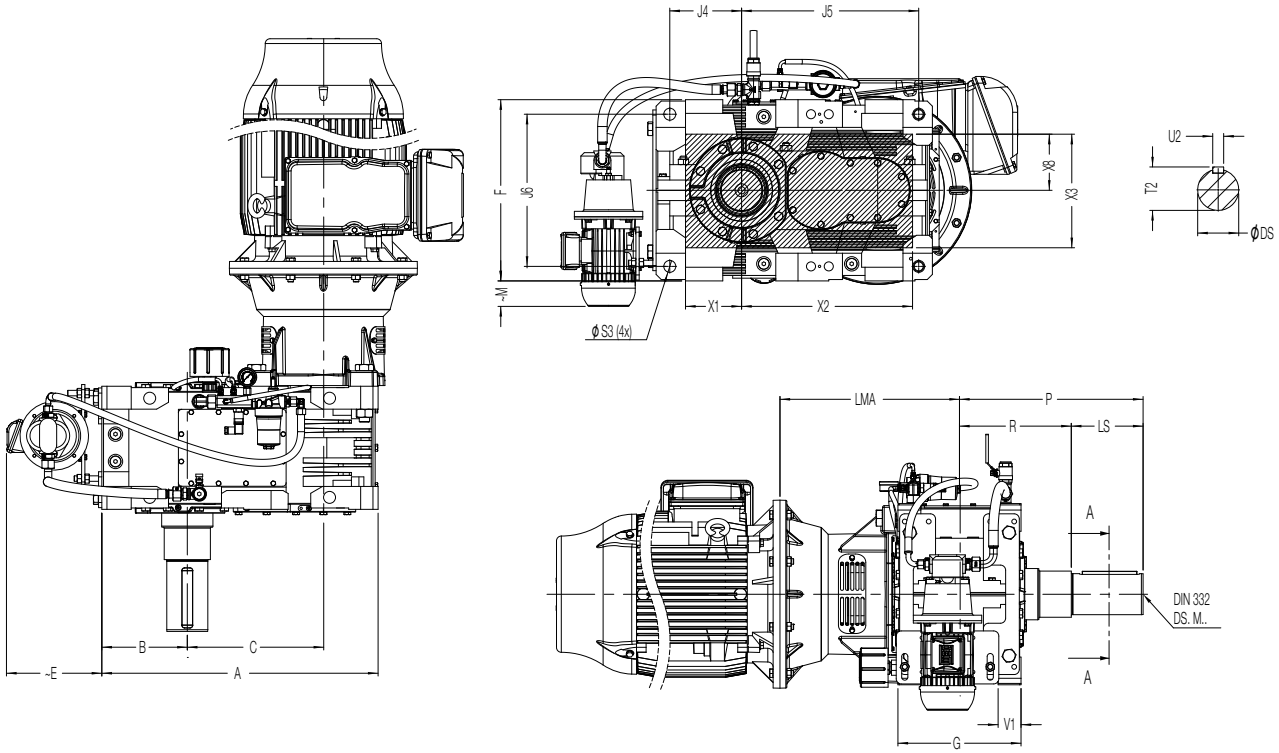


Size	A	B	F	G	H	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X4	X5	X6	X7	X8	RK	RL	Q
W09	1118	370	670	475	335	318	698	565	720	42	81	210	690	450	-	-	-	-	225	1102	1472	420
W10	1150	370	670	475	335	318	730	565	720	42	81	210	720	450	-	-	-	-	225	1134	1504	420
W11	1260	420	750	515	375	360	780	630	740	48	91	240	770	500	-	-	-	-	250	1275	1695	440
W12	1295	420	750	515	375	360	815	630	790	48	91	240	810	500	-	-	-	-	250	1310	1730	440

INPUT SHAFT					
Size	ØDS	LS	T2	U2	DIN 332 DS. M..
W09	90 m6	170	95	25 h9	M24
W10	90 m6	170	95	25 h9	M24
W11	100 m6	210	106	28 h9	M24
W12	100 m6	210	106	28 h9	M24

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W09	160 m6	300	169	40 P9	M30	165.26
W10	165 m6	300	174	40 P9	M30	168.37
W11	180 m6	300	190	45 P9	M30	225.99
W12	190 m6	350	200	45 P9	M30	244.87

WG50 Parallel 01 to 12 - SKID PUMP

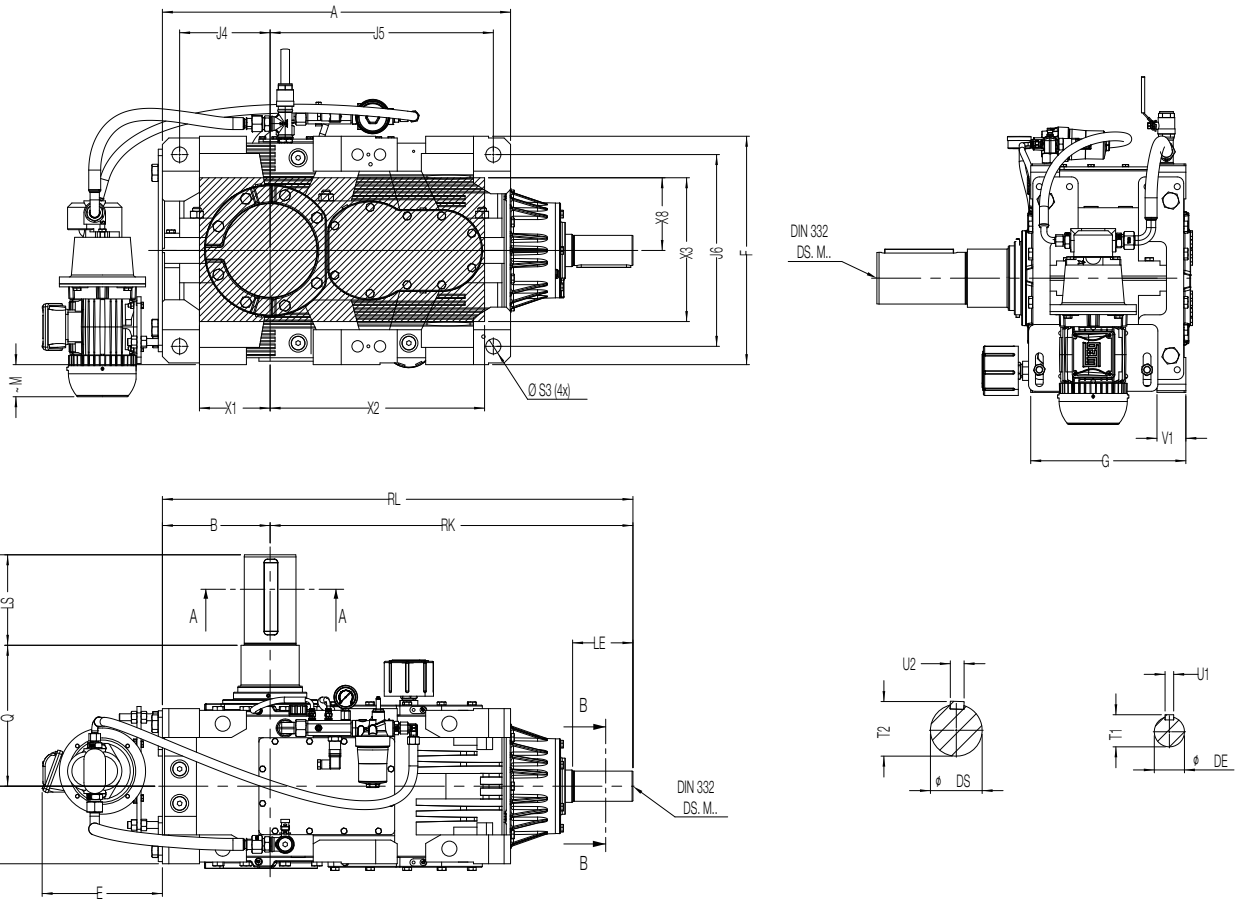


Size	A	B	C	F	G	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X8	M~	E~	R
W01	606	190	286	380	260	160	386	315	434	24	47	125	365	240	120	67.5	282	264
W02	665	215	320	380	260	185	420	315	434	24	47	130	400	260	130	67.5	282	264
W03	693	215	338	450	300	184	447	380	500	28	53	145	430	300	150	69.5	282	290
W04	767	250	377	450	300	219	486	380	500	28	53	150	470	300	150	69.5	282	290
W05	808	250	398	530	360	210	518	445	537	35	67	165	500	330	165	74.5	277	327
W06	899	295	444	530	360	255	819	445	577	35	67	170	550	340	170	74.5	277	327
W07	1015	355	470	630	425	303	612	525	614	42	81	190	590	370	185	82	280	364
W08	1069	355	524	630	425	303	666	525	664	42	81	200	640	400	200	82	280	364
W09	1118	370	548	670	475	318	698	565	720	42	81	210	690	450	225	49.5	277	420
W10	1150	370	580	670	475	318	730	565	720	42	81	210	720	450	225	49.5	277	420
W11	1260	420	617	750	515	360	780	630	740	48	91	240	770	500	250	29.5	277	440
W12	1295	420	652	750	515	360	815	630	790	48	91	240	810	500	250	29.5	277	440

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W01	80 m6	170	85	22 P9	M20	31.63
W02	90 m6	170	95	25 P9	M24	39.75
W03	100 m6	210	106	28 P9	M24	54.94
W04	110 m6	210	116	28 P9	M24	64.77
W05	120 m6	210	127	32 P9	M24	83.16
W06	130 m6	250	137	32 P9	M24	102.25
W07	135 m6	250	141	36 P9	M30	98.23
W08	150 m6	300	158	36 P9	M30	133.08
W09	160 m6	300	169	40 P9	M30	165.26
W10	165 m6	300	174	40 P9	M30	168.37
W11	180 m6	300	190	45 P9	M30	225.99
W12	190 m6	350	200	45 P9	M30	244.87

Note: For sizes W01 and W02, the standard is without a lubrication system. The use of the SKID pump is optional.

WG50 Right Angle 01 to 12 - SKID PUMP



Size	A	B	F	G	H	J4	J5	j6	P	ØS3 (4x)	V1	X1	X2	X3	X8	RK	RL	M~	E~	Q
W01	606	190	380	260	190	160	386	315	434	24	47	125	365	250	125	656	846	67.5	282	264
W02	665	215	380	260	190	185	420	315	434	24	47	130	400	260	130	690	905	67.5	282	264
W03	693	215	450	300	225	184	447	380	500	28	53	145	435	305	152.5	726	941	69.5	282	290
W04	767	250	450	300	225	219	486	380	500	28	53	160	470	310	155	765	1015	69.5	282	290
W05	808	250	530	360	265	210	518	445	537	35	67	165	500	330	165	842	1092	74.5	277	327
W06	899	295	530	360	265	255	819	445	577	35	67	170	550	340	170	888	1183	74.5	277	327
W07	1015	355	630	425	315	303	612	525	614	42	81	190	590	370	185	984	1339	82	280	364
W08	1069	355	630	425	315	303	666	525	664	42	81	200	650	400	200	1038	1393	82	280	364
W09	1118	370	670	475	335	318	698	565	720	42	81	210	690	450	225	1102	1472	49.5	277	420
W10	1150	370	670	475	335	318	730	565	720	42	81	210	720	450	225	1134	1504	49.5	277	420
W11	1260	420	750	515	375	360	780	630	740	48	91	240	770	500	250	1275	1695	29.5	277	440
W12	1295	420	750	515	375	360	815	630	790	48	91	240	810	500	250	1310	1730	29.5	277	440

INPUT SHAFT					
Size	ØDE	LE	T1	U1	DIN 332 DS. M..
W01	45 m6	110	48.5	14 h9	M16
W02	45 m6	110	48.5	14 h9	M16
W03	55 m6	110	59	16 h9	M20
W04	55 m6	110	59	16 h9	M20
W05	70m6	140	74.5	20 h9	M20
W06	70 m6	140	74.5	20 h9	M20
W07	80 m6	170	85	22 h9	M20
W08	80 m6	170	85	22 h9	M20
W09	90 m6	170	95	25 h9	M24
W10	90 m6	170	95	25 h9	M24
W11	100 m6	210	106	28 h9	M24
W12	100 m6	210	106	28 h9	M24

OUTPUT SHAFT						
Size	ØDS	LS	T2	U2	DIN 332 DS. M..	kg
W01	80 m6	170	85	22 P9	M20	31.63
W02	90 m6	170	95	25 P9	M24	39.75
W03	100 m6	210	106	28 P9	M24	54.94
W04	110 m6	210	116	28 P9	M24	64.77
W05	120 m6	210	127	32 P9	M24	83.16
W06	130 m6	250	137	32 P9	M24	102.25
W07	135 m6	250	141	36 P9	M30	98.23
W08	150 m6	300	158	36 P9	M30	133.08
W09	160 m6	300	169	40 P9	M30	165.26
W10	165 m6	300	174	40 P9	M30	168.37
W11	180 m6	300	190	45 P9	M30	225.99
W12	190 m6	350	200	45 P9	M30	244.87

Note: For sizes W01 and W02, the standard is without a lubrication system. The use of the SKID pump is optional.

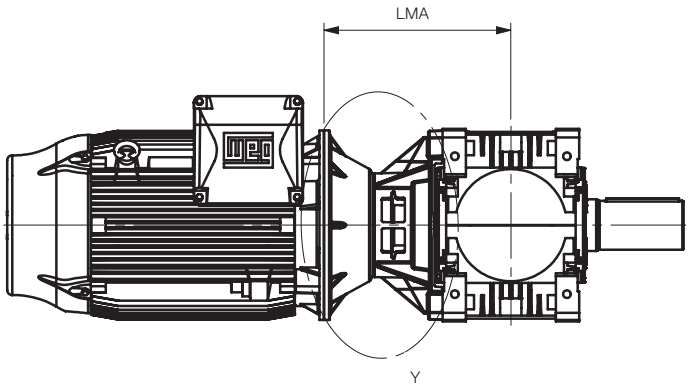
Accessories - Complementary Dimensions

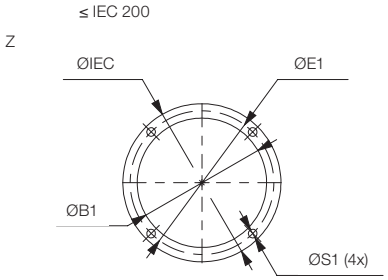
Flange for IEC Motors (5), Frames 100 to 355

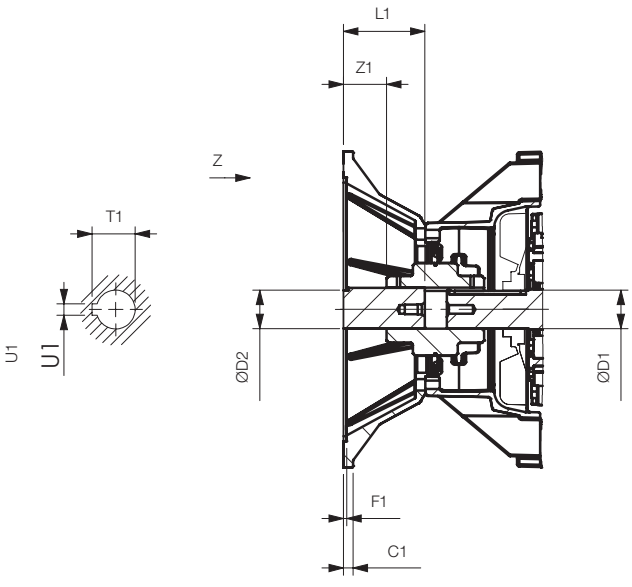
- Flange for IEC Motors (5), Frames 225 to 355
- Dimension as per page 19
- With coupling included
- The motor adapter is supplied as standard with a coupling with a rubber element = NBR (ambient temperature -20 ºC to 80 ºC) or optionally with a 98ShA polyurethane element (ambient temperature -50ºC to 120ºC). For hazardous areas, the polyurethane option must be used.

IEC Motor Input Flange

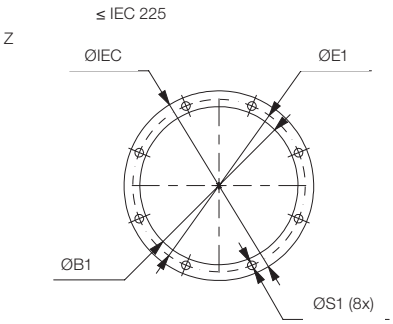
Parallel Shafts 2 Stages







DETAIL Y



IEC Motor Input Flange

Size	IEC	ØIEC	ØB1	C1	ØD1	ØD2	ØE1	F1	L1	ØS1	T1	U1	Z1	LMA	Q	Kg
W01	225	450	350 H7	20	40	60 H7	400	6	140	19 (8x)	43.3	18 JS9	79	435	746	261.8
	250	550	450 H7	20	40	65 H7	500	6	140	19 (8x)	69.4	18 JS9	65	460	823.5	272.8
W02	225	450	350 H7	20	40	60 H7	400	6	140	19 (8x)	43.3	18 JS9	79	435	746	290.8
	250	550	450 H7	20	40	65 H7	500	6	140	19 (8x)	69.4	18 JS9	65	460	823.5	301.8
W03	225	450	350 H7	20	50	60 H7	400	6	140	19 (8x)	64.4	18 JS9	105	459	746	427.3
	250	550	450 H7	20	50	65 H7	500	6	140	19 (8x)	69.4	18 JS9	65	484	823.5	438.2
	280	650	450 H7	20	50	75 H7	500	6	139.5	20 (8x)	79.9	20 JS9	84	484	930.1	446.3
W04	225	450	350 H7	20	50	60 H7	400	6	140	19 (8x)	64.4	18 JS9	105	459	746	418.1
	250	550	450 H7	20	50	65 H7	500	6	140	19 (8x)	69.4	18 JS9	65	484	823.5	434.4
	280	650	450 H7	20	50	75 H7	500	6	139.5	20 (8x)	79.9	20 JS9	84	484	930.1	427.1
W05	250	550	450 H7	20	50	65 H7	500	6	140	19 (8x)	69.4	18 JS9	65	484	823.5	434.4
	280	650	450 H7	20	50	75 H7	500	6	139.5	20 (8x)	79.9	20 JS9	84	484	930.1	427.1
	315	660	550 H7	20	60	80 H7	600	7	170	19 (8x)	85.4	22 JS9	87	555	1228.8	600.0
W06	250	550	450 H7	20	60	65 H7	500	6	140	19 (8x)	69.4	18 JS9	67	525	823.5	642.0
	280	550	450 H7	20	60	75 H7	500	6	140	19 (8x)	79.9	20 JS9	67	525	930.1	642.0
	315	660	550 H7	20	60	80 H7	600	7	170	19 (8x)	85.4	22 JS9	87	555	1228.8	667.0
W07	280	550	450 H7	20	60	75 H7	500	6	140	19 (8x)	79.9	20 JS9	71.5	560	930.1	935.0
	315	660	550 H7	20	70	80 H7	600	7	170	19 (8x)	85.4	22 JS9	83	590	1228.8	968.0
	355	800	680 H7	20	70	100 H7	740	7	210	19 (8x)	106.4	28 JS9	113.5	650	1276.05	1.010
W08	280	550	450 H7	20	70	75 H7	500	6	140	19 (8x)	79.9	20 JS9	71.5	560	930.1	1.040
	315	660	550 H7	20	70	80 H7	600	7	170	19 (8x)	85.4	22 JS9	83	590	1228.8	1.073
	355	800	680 H7	20	70	100 H7	740	7	210	19 (8x)	106.4	28 JS9	113.5	650	1276.05	1.115
W09	315	660	550 H7	20	80	80 H7	600	7	170	19 (8x)	85.4	22 JS9	90	650	1228.8	1.293
	355	800	680 H7	20	80	100 H7	740	7	210	19 (8x)	106.4	28 JS9	106.5	710	1276.05	1.343
W10	315	660	550 H7	20	80	80 H7	600	7	170	19 (8x)	85.4	22 JS9	90	650	1228.8	1.379
	355	800	680 H7	20	80	100 H7	740	7	210	19 (8x)	106.4	28 JS9	106.5	710	1276.05	1.429
W11	355	800	680 H7	20	95	100 H7	740	7	210	19 (8x)	106.4	28 JS9	126.5	730	1276.05	1.852
W12	355	800	680 H7	20	95	100 H7	740	7	210	19 (8x)	106.4	28 JS9	126.5	730	1276.05	1.963

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